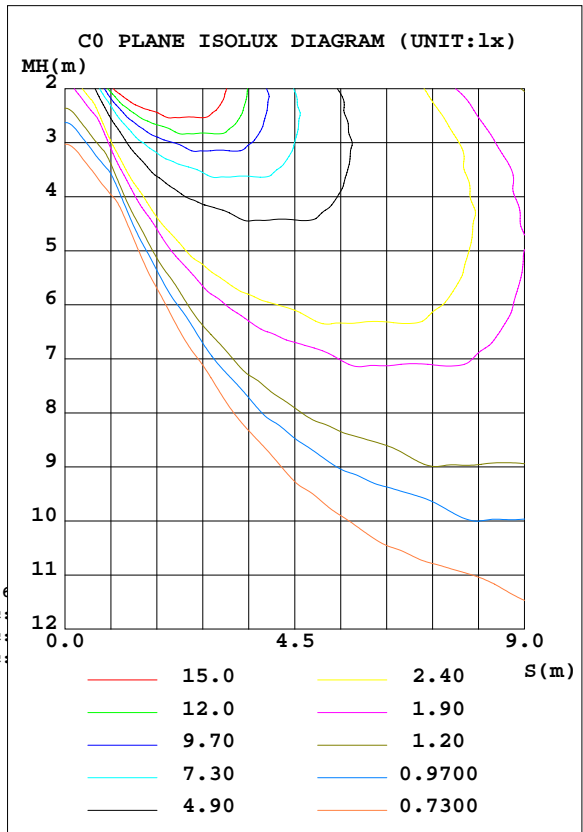
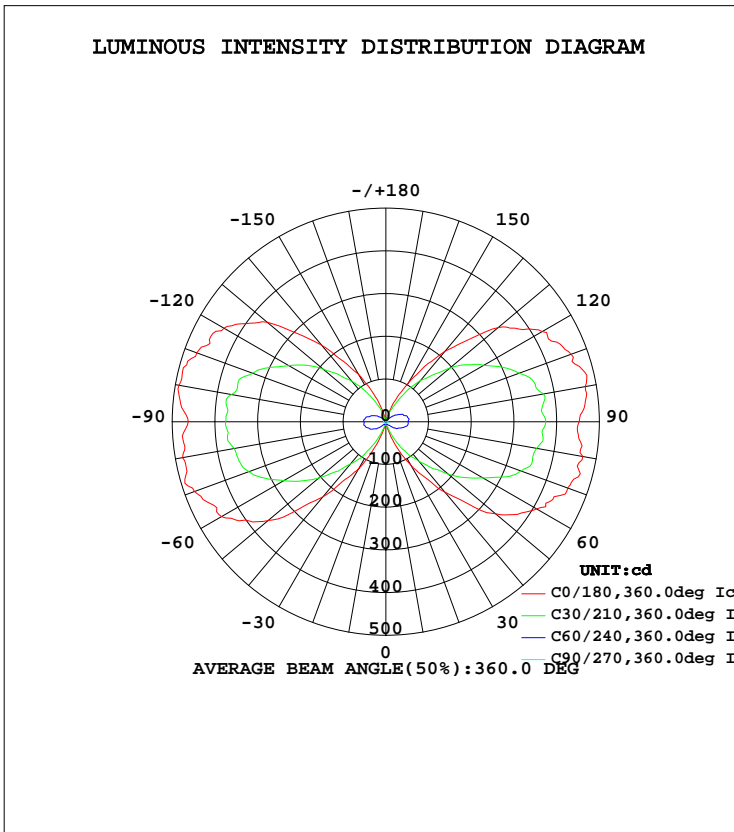


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.9V I:0.2567A P:30.66W PF:0.9965 Lamp Flux:2198.61x1 lm		
NAME: 20034LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ACCESS LIGHTING CORP	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 71.70 lm/W			
MODEL	20034LED	I _{max} (cd)	492.6	S/MH(C0/180)	9.24
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.76
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2198.6	η UP, DN(C0-180)	25.0,25.4
NOMINAL FLUX(lm)	2198.61	CIE CLASS	DIFFUSE	η UP, DN(C180-360)	24.7,24.8
LAMPS INSIDE	1	η up(%)	49.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)		η down(%)	50.2	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:wxh
 Test Date:2017-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:ACCESS LIGHTING CORP GO-2000B_V1
 SYSTEM V2.0.291 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	10.25	6.172	3.817	7.887	9.757	5.876	3.890	7.557	0- 10	0.5775	0.5775	0.03,0.03
20	41.48	9.916	3.874	19.53	39.46	8.999	3.917	13.49	10- 20	3.091	3.669	0.17,0.17
30	117.6	23.54	4.105	75.88	126.4	26.84	4.259	55.37	20- 30	16.59	20.26	0.92,0.92
40	214.4	57.26	4.505	140.8	229.5	62.17	4.572	113.0	30- 40	48.52	68.78	3.13,3.13
50	335.2	93.56	4.917	215.5	359.8	101.5	4.984	177.8	40- 50	101.0	169.8	7.72,7.72
60	408.0	128.7	5.172	282.6	444.3	131.5	5.423	255.1	50- 60	167.0	336.8	15.3,15.3
70	452.9	154.1	5.395	348.6	477.3	159.8	5.808	322.2	60- 70	223.1	559.8	25.5,25.5
80	468.0	178.0	5.481	372.8	483.4	179.4	6.024	351.8	70- 80	263.4	823.2	37.4,37.4
90	452.6	187.5	5.461	382.0	462.8	185.8	6.227	358.9	80- 90	280.9	1104	50.2,50.2
100	474.1	179.2	5.257	370.6	492.0	174.0	6.127	357.2	90-100	281.7	1386	63,63
110	461.7	161.6	4.996	340.8	471.5	153.6	5.900	333.2	100-110	264.9	1651	75.1,75.1
120	422.5	134.4	4.453	267.3	437.9	126.0	5.021	260.4	110-120	221.9	1873	85.2,85.2
130	342.9	102.0	3.605	197.5	362.5	93.99	4.502	194.1	120-130	165.2	2038	92.7,92.7
140	216.1	59.09	3.505	122.2	234.5	53.56	4.633	118.0	130-140	99.43	2137	97.2,97.2
150	103.8	19.35	3.339	43.44	128.1	19.32	4.220	41.80	140-150	45.53	2183	99.3,99.3
160	30.94	7.715	3.181	7.509	43.72	5.389	3.577	9.443	150-160	13.16	2196	99.9,99.9
170	6.718	4.691	3.277	5.157	7.727	4.017	3.501	5.987	160-170	2.209	2198	100,100
180	6.513	4.348	3.408	5.480	6.520	4.340	3.412	5.480	170-180	0.4746	2199	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

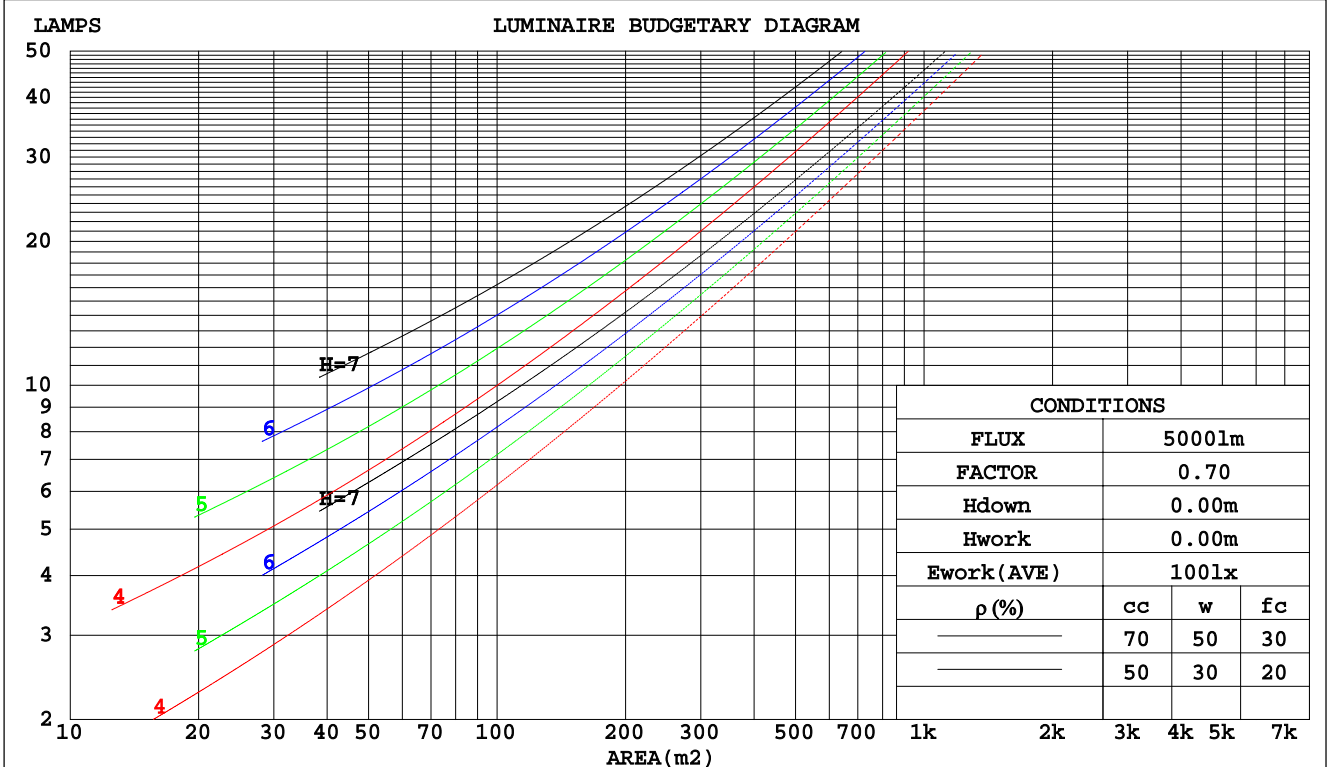
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:wxh
 Test Date:2017-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:ACCESS LIGHTING CORP GO-2000B_V1
 SYSTEM V2.0.291 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.9V I:0.2567A P:30.66W PF:0.9965 Lamp Flux:2198.61x1 lm		
NAME: 20034LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ACCESS LIGHTING CORP	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.07	1.07	1.07	.99	.99	.99	.83	.83	.83	.69	.69	.69	.56	.56	.56	.50
1.0	.84	.77	.72	.77	.71	.66	.63	.59	.55	.51	.47	.44	.39	.37	.34	.28
2.0	.69	.61	.53	.63	.55	.49	.51	.45	.40	.41	.36	.32	.31	.27	.24	.19
3.0	.59	.49	.41	.53	.45	.38	.43	.36	.31	.34	.28	.24	.25	.21	.17	.13
4.0	.51	.41	.33	.46	.37	.30	.37	.30	.24	.29	.23	.19	.21	.17	.13	.09
5.0	.44	.34	.27	.40	.31	.24	.32	.25	.20	.25	.19	.15	.18	.14	.10	.07
6.0	.39	.29	.22	.35	.27	.20	.29	.21	.16	.22	.17	.12	.16	.12	.08	.05
7.0	.35	.25	.19	.32	.23	.17	.25	.19	.14	.20	.14	.10	.14	.10	.07	.04
8.0	.31	.22	.16	.28	.20	.15	.23	.16	.12	.18	.13	.09	.13	.09	.06	.03
9.0	.28	.20	.14	.26	.18	.13	.21	.14	.10	.16	.11	.07	.12	.08	.05	.02
10.0	.26	.18	.12	.23	.16	.11	.19	.13	.09	.15	.10	.06	.11	.07	.04	.02



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: wxh
 Test Date: 2017-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: ACCESS LIGHTING CORP GO-2000B_V1
 SYSTEM V2.0.291 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.9V I:0.2567A P:30.66W PF:0.9965 Lamp Flux:2198.61x1 lm		
NAME: 20034LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ACCESS LIGHTING CORP	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.464	.264	.084	.441	.252	.080	.399	.229	.073	.360	.208	.067	.325	.188	.061	
2.0	.377	.207	.063	.357	.197	.061	.318	.177	.055	.283	.159	.050	.250	.141	.045	
3.0	.324	.172	.052	.305	.163	.049	.270	.146	.044	.237	.130	.040	.207	.114	.035	
4.0	.285	.148	.044	.268	.140	.041	.235	.125	.037	.205	.110	.033	.177	.096	.029	
5.0	.255	.130	.038	.239	.123	.036	.209	.109	.032	.181	.096	.028	.155	.083	.025	
6.0	.230	.115	.033	.216	.109	.031	.188	.097	.028	.163	.084	.025	.139	.073	.022	
7.0	.210	.104	.029	.197	.098	.028	.171	.087	.025	.148	.076	.022	.125	.065	.019	
8.0	.193	.095	.027	.181	.089	.025	.157	.079	.022	.135	.069	.020	.114	.059	.017	
9.0	.179	.087	.024	.168	.082	.023	.146	.072	.020	.125	.063	.018	.105	.053	.015	
10.0	.167	.080	.022	.156	.075	.021	.135	.066	.019	.116	.058	.016	.098	.049	.014	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.570	.570	.570	.487	.487	.487	.332	.332	.332	.191	.191	.191	.061	.061	.061	
1.0	.573	.537	.505	.491	.461	.434	.336	.317	.300	.193	.184	.175	.062	.059	.056	
2.0	.569	.516	.473	.487	.445	.409	.334	.308	.285	.192	.179	.167	.062	.058	.054	
3.0	.562	.502	.454	.482	.433	.393	.331	.301	.276	.191	.176	.163	.061	.057	.053	
4.0	.554	.491	.442	.476	.424	.384	.327	.295	.270	.189	.173	.160	.061	.056	.053	
5.0	.547	.482	.434	.470	.417	.377	.323	.291	.266	.187	.171	.158	.060	.056	.052	
6.0	.539	.474	.428	.463	.411	.373	.320	.288	.264	.185	.169	.157	.060	.055	.052	
7.0	.532	.468	.424	.458	.406	.369	.316	.285	.262	.184	.168	.156	.059	.055	.052	
8.0	.525	.463	.421	.452	.402	.367	.313	.282	.260	.182	.166	.155	.059	.055	.051	
9.0	.519	.459	.418	.447	.398	.365	.310	.280	.259	.180	.165	.154	.058	.054	.051	
10.0	.513	.455	.416	.442	.395	.363	.307	.278	.258	.179	.164	.154	.058	.054	.051	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:wxh
 Test Date:2017-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:ACCESS LIGHTING CORP GO-2000B_V1
 SYSTEM V2.0.291 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.9V I:0.2567A P:30.66W PF:0.9965 Lamp Flux:2198.61x1 lm										
NAME: 20034LED					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: ACCESS LIGHTING CORP					SUR.:			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	17.8	18.9	18.6	19.8	21.0	0.3	1.4	1.1	2.3	3.5
3H	22.1	23.2	23.0	24.1	25.3	0.6	1.6	1.4	2.5	3.8
4H	24.4	25.4	25.3	26.4	27.6	0.6	1.6	1.5	2.6	3.8
6H	26.8	27.7	27.7	28.7	29.9	0.9	1.9	1.8	2.8	4.1
8H	28.0	28.9	28.9	29.9	31.1	1.2	2.1	2.1	3.1	4.3
12H	29.4	30.2	30.3	31.2	32.5	1.6	2.5	2.6	3.5	4.7
4H 2H	17.8	18.8	18.7	19.7	21.0	10.1	11.1	11.0	12.0	13.3
3H	22.6	23.5	23.5	24.5	25.7	10.6	11.5	11.6	12.5	13.7
4H	25.2	26.0	26.2	27.0	28.3	10.7	11.5	11.6	12.5	13.8
6H	27.9	28.6	28.8	29.6	30.9	10.7	11.4	11.6	12.4	13.7
8H	29.3	30.0	30.3	31.0	32.3	10.6	11.3	11.6	12.3	13.6
12H	30.8	31.5	31.8	32.5	33.8	10.6	11.2	11.6	12.2	13.5
8H 4H	25.3	25.9	26.2	26.9	28.3	16.8	17.5	17.8	18.5	19.8
6H	28.3	28.9	29.3	29.9	31.2	17.2	17.8	18.2	18.8	20.2
8H	30.1	30.6	31.1	31.6	33.0	17.3	17.8	18.3	18.8	20.2
12H	31.9	32.4	32.9	33.4	34.8	17.2	17.7	18.2	18.7	20.1
12H 4H	25.2	25.8	26.2	26.8	28.2	18.9	19.5	19.8	20.5	21.8
6H	28.3	28.8	29.3	29.9	31.2	19.8	20.3	20.8	21.3	22.7
8H	30.2	30.6	31.2	31.7	33.0	20.0	20.5	21.1	21.6	22.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.1				
2.0H	+ 0.3 / - 0.4					+ 0.4 / - 0.3				

CIE Pub.117 Corrected 2199 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.7)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:wxh
 Test Date:2017-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:ACCESS LIGHTING CORP GO-2000B_V1
 SYSTEM V2.0.291 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.9V I:0.2567A P:30.66W PF:0.9965 Lamp Flux:2198.61x1 lm		
NAME: 20034LED 20034LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ACCESS LIGHTING CORP	SUR.:	PROTECTION ANGLE:

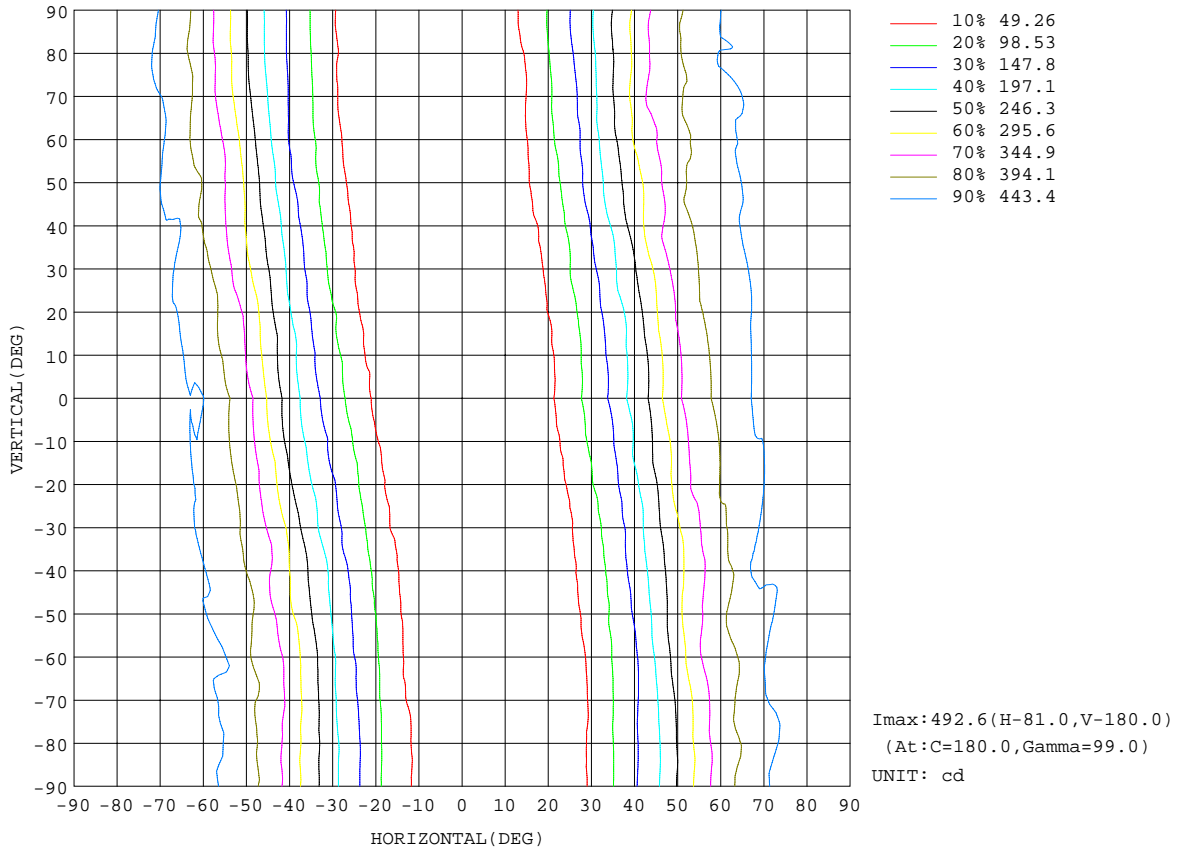
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	32	18	11	30	17	10	27	16	9	2
0.80	40	25	16	37	24	15	33	21	13	4
1.00	47	31	22	44	30	20	38	28	18	6
1.25	54	38	28	50	36	26	43	31	23	9
1.50	59	44	33	55	41	31	47	35	27	12
2.00	67	53	42	62	49	39	52	42	34	16
2.50	73	59	49	67	55	46	56	47	39	19
3.00	77	65	55	71	60	51	60	51	44	22
4.00	83	72	63	76	67	59	64	56	50	26
5.00	87	77	69	80	71	64	67	60	54	29
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:wxh
 Test Date:2017-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:ACCESS LIGHTING CORP GO-2000B_V1
 SYSTEM V2.0.291 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.9V I:0.2567A P:30.66W PF:0.9965 Lamp Flux:2198.61x1 lm		
NAME: 20034LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ACCESS LIGHTING CORP	SUR.:	PROTECTION ANGLE:

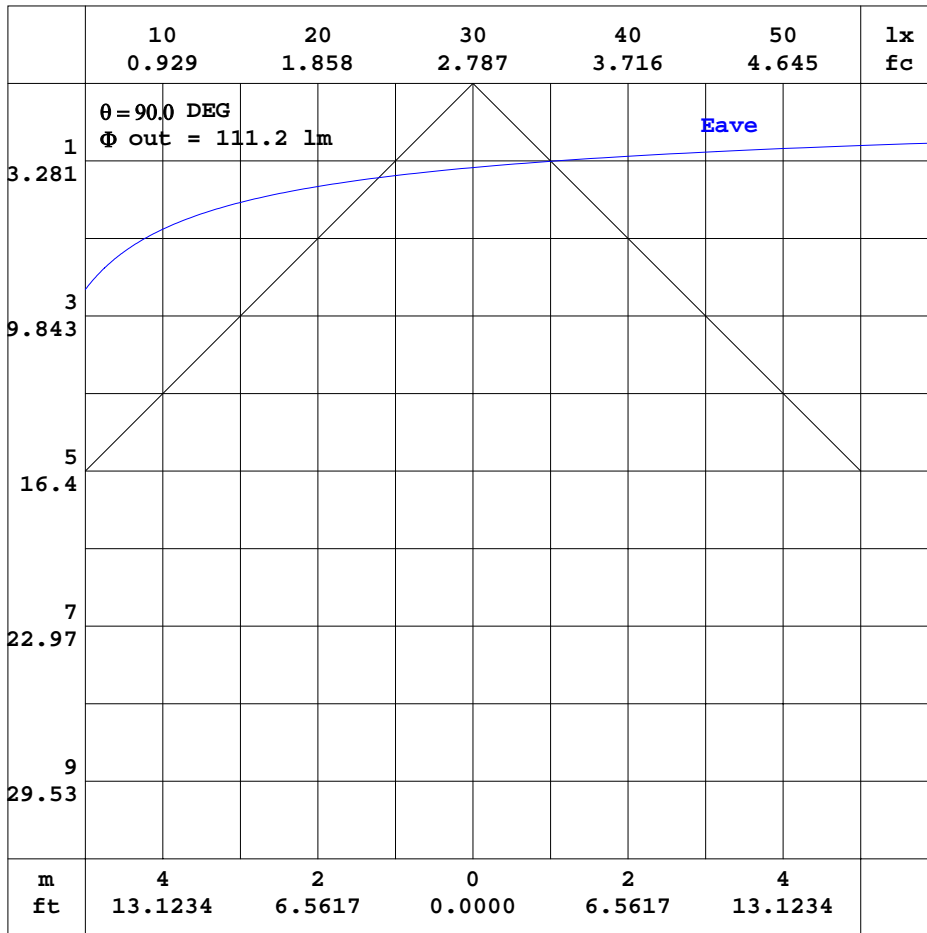


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: wxh
 Test Date: 2017-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: ACCESS LIGHTING CORP GO-2000B_V1
 SYSTEM V2.0.291 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

AAI CURVES

Test:U:119.9V I:0.2567A P:30.66W PF:0.9965 Lamp Flux:2198.61x1 lm		
NAME: 20034LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ACCESS LIGHTING CORP	SUR.:	PROTECTION ANGLE:



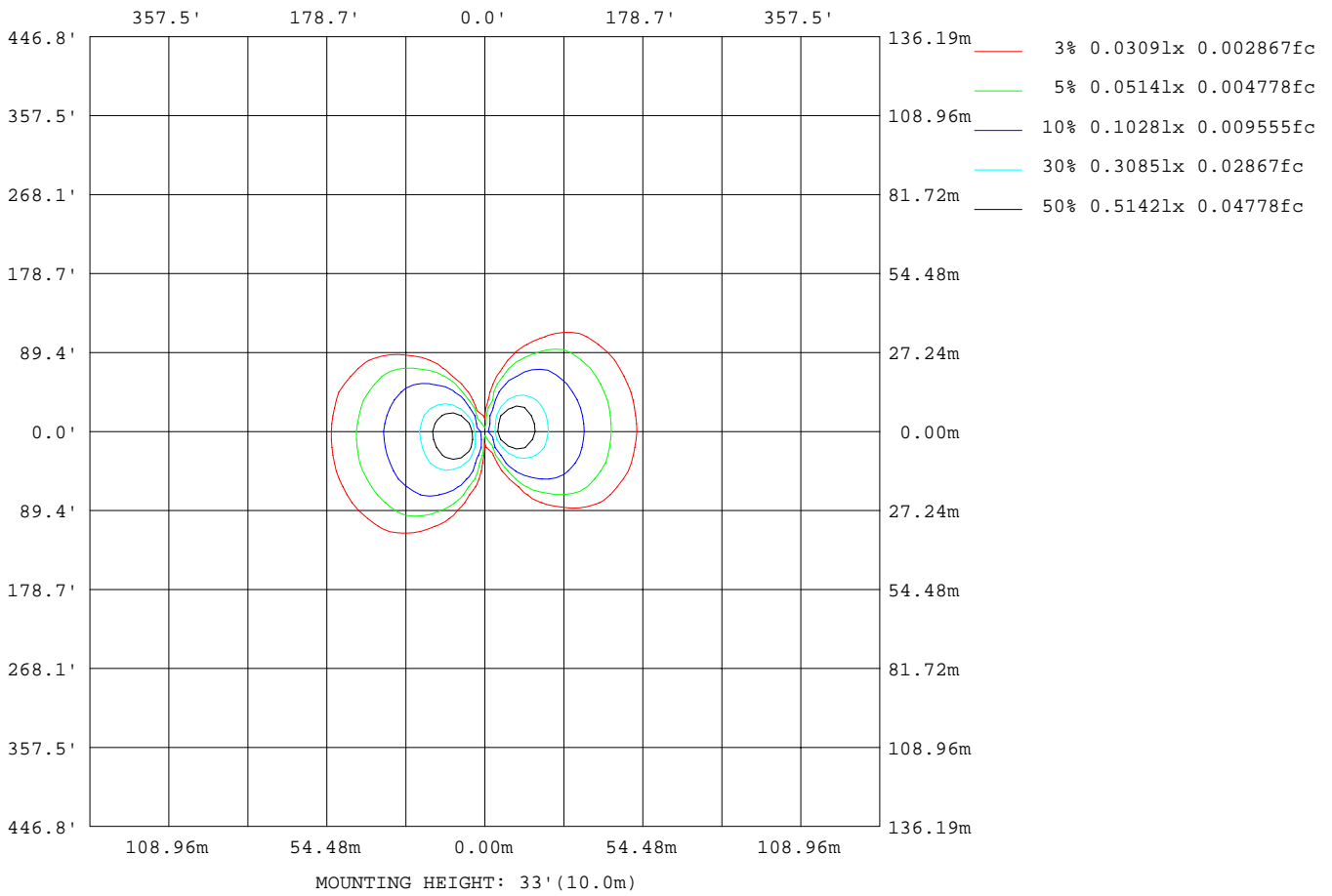
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:wxh
 Test Date:2017-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:ACCESS LIGHTING CORP GO-2000B_V1
 SYSTEM V2.0.291 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.9V I:0.2567A P:30.66W PF:0.9965 Lamp Flux:2198.61x1 lm		
NAME: 20034LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ACCESS LIGHTING CORP	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: wxh
 Test Date: 2017-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: ACCESS LIGHTING CORP GO-2000B_V1
 SYSTEM V2.0.291 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:119.9V I:0.2567A P:30.66W PF:0.9965 Lamp Flux:2198.61x1 lm		
NAME: 20034LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ACCESS LIGHTING CORP	SUR.:	PROTECTION ANGLE:

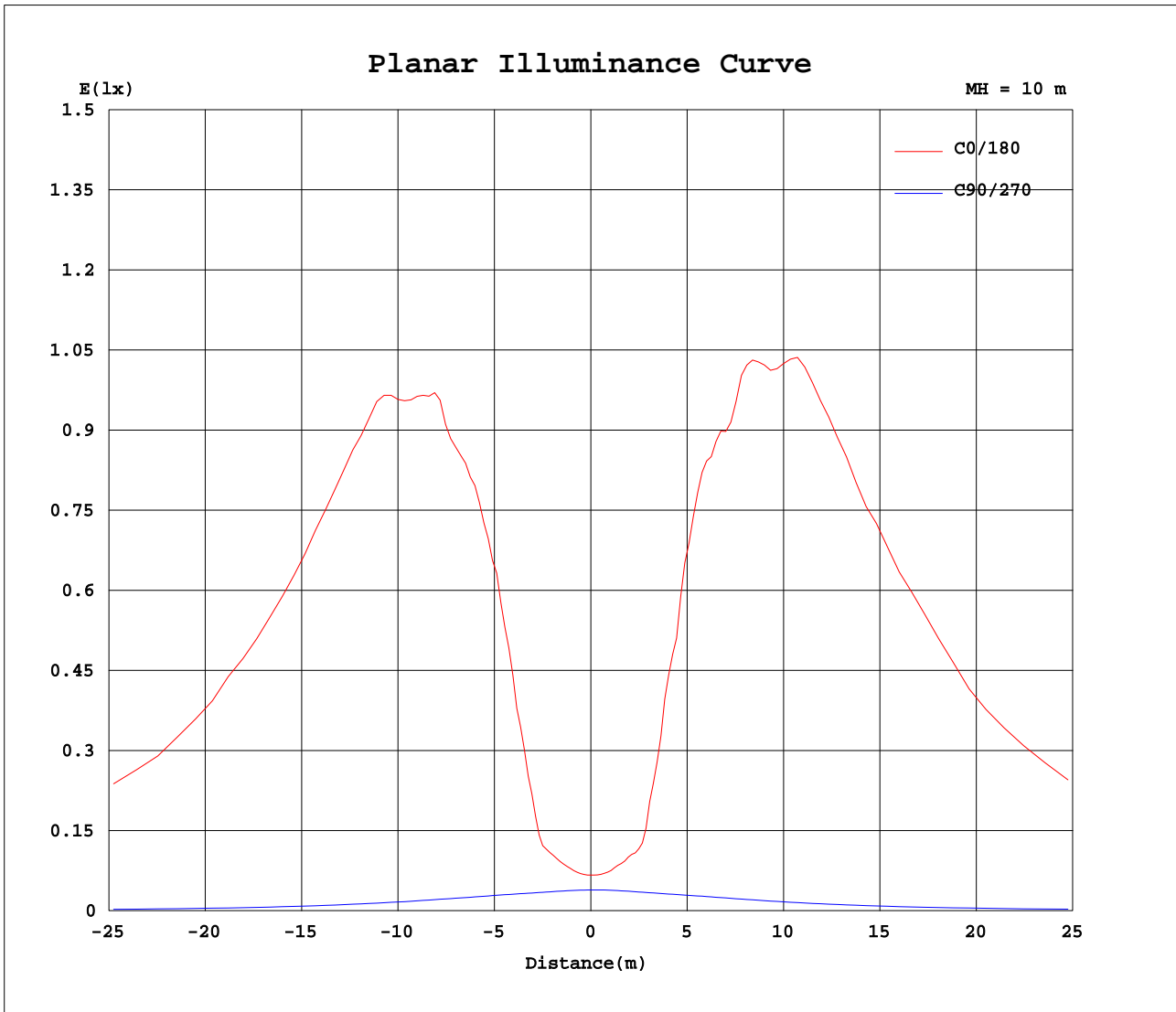
AvgL	cd/m2
L_0~180(65)av	10470
L_0~180(75)av	18471
L_0~180(85)av	53375
L_90~270(65)av	130
L_90~270(75)av	223
L_90~270(85)av	668
L_45(65)av	5331
L_45(75)av	10229
L_45(85)av	31617

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:wxh
 Test Date:2017-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:ACCESS LIGHTING CORP GO-2000B_V1
 SYSTEM V2.0.291 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: wxh
 Test Date: 2017-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: ACCESS LIGHTING CORP GO-2000B_V1
 SYSTEM V2.0.291 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.9V I:0.2567A P:30.66W PF:0.9965 Lamp Flux:2198.61x1 lm		
NAME: 20034LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ACCESS LIGHTING CORP	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	6.70	6.42	5.73	4.93	4.29	3.94	3.91	4.17	4.74	5.49	6.17	6.57	6.70	6.42	5.73	4.93	4.29	3.94	3.91
5	7.60	7.19	6.32	5.22	4.40	3.96	3.87	4.23	5.06	6.03	6.98	7.38	7.34	6.97	6.06	5.09	4.28	3.88	3.92
10	10.2	9.50	8.04	6.17	4.69	3.92	3.82	4.54	6.13	7.89	9.30	9.95	9.76	9.09	7.60	5.88	4.51	3.81	3.89
15	15.7	13.3	10.8	7.66	5.26	3.90	3.81	5.20	7.53	10.4	12.9	15.6	14.1	12.3	10.1	7.19	5.00	3.75	3.87
20	41.5	32.7	17.4	9.92	6.07	3.91	3.87	6.04	9.65	19.5	36.0	41.3	39.5	31.7	18.1	9.00	5.84	3.75	3.92
25	77.6	62.5	40.1	12.2	7.12	3.97	3.98	6.98	16.8	44.8	68.4	76.5	79.1	65.3	39.9	13.8	6.59	3.83	4.02
30	118	100	67.6	23.5	8.25	4.07	4.11	8.17	34.0	75.9	112	122	126	109	67.2	26.8	7.56	3.94	4.26
35	158	134	95.2	40.4	9.61	4.20	4.30	9.32	51.7	107	152	168	163	144	104	43.0	8.42	3.97	4.39
40	214	180	122	57.3	10.6	4.37	4.51	12.7	74.4	141	195	223	229	198	129	62.2	9.72	4.06	4.57
45	271	234	154	74.6	12.1	4.54	4.71	18.4	96.8	175	243	291	290	249	165	83.5	15.7	4.17	4.77
50	335	285	191	93.6	19.0	4.69	4.92	27.5	117	215	308	351	360	310	205	101	22.6	4.26	4.98
55	378	339	228	111	25.7	4.84	5.07	37.4	134	247	360	394	401	358	242	117	29.2	4.44	5.19
60	408	370	263	129	31.8	4.99	5.17	43.1	151	283	386	427	444	395	276	132	33.9	4.53	5.42
65	431	393	306	141	34.9	5.11	5.33	48.3	170	322	423	441	454	421	313	149	40.9	4.66	5.65
70	453	411	337	154	41.0	5.26	5.40	52.7	180	349	429	458	477	434	342	160	42.9	4.70	5.81
75	471	444	356	167	46.2	5.36	5.60	58.9	194	369	458	482	485	443	356	172	48.8	4.65	5.92
80	468	455	359	178	51.2	5.47	5.48	60.1	205	373	456	481	483	471	361	179	51.1	4.77	6.02
85	454	452	369	182	52.5	5.59	5.45	62.0	209	376	470	487	477	460	372	184	51.7	4.69	6.20
90	453	466	374	187	52.3	5.57	5.46	61.5	210	382	462	482	463	473	375	186	51.4	4.68	6.23
95	468	458	367	185	54.1	5.58	5.44	62.5	208	370	463	480	482	460	372	180	51.9	4.61	6.13
100	474	461	375	179	53.2	5.63	5.26	61.8	202	371	461	487	492	458	367	174	48.9	4.52	6.13
105	475	441	359	175	51.5	5.50	5.18	56.9	187	367	448	485	491	439	358	168	45.6	4.36	6.02
110	462	432	332	162	44.3	5.47	5.00	51.3	170	341	434	459	471	427	333	154	38.9	4.25	5.90
115	442	407	302	152	41.7	5.33	4.84	44.9	157	309	413	441	456	397	301	141	34.1	4.12	5.60
120	423	379	265	134	33.9	5.16	4.45	32.7	142	267	375	423	438	382	263	126	28.1	4.01	5.02
125	379	353	233	120	28.1	4.94	3.90	16.3	124	235	348	371	401	359	231	110	21.8	3.80	4.60
130	343	294	196	102	20.8	4.64	3.61	8.42	101	197	282	337	362	298	193	94.0	16.1	3.52	4.50
135	270	236	155	76.6	13.2	4.39	3.53	6.33	81.2	157	235	276	291	240	156	75.6	10.1	3.28	4.54
140	216	179	127	59.1	8.91	4.13	3.50	4.41	58.9	122	178	219	234	188	124	53.6	7.14	3.10	4.63
145	159	139	93.9	38.2	7.54	3.87	3.49	3.36	32.6	79.2	130	159	173	142	94.3	32.6	5.74	3.07	4.46
150	104	99.8	58.2	19.4	6.08	3.66	3.34	3.15	8.72	43.4	79.7	114	128	105	63.0	19.3	4.28	3.09	4.22
155	63.7	58.1	34.6	10.8	5.05	3.54	3.23	3.19	5.31	12.7	40.3	59.2	82.5	66.7	40.1	8.81	3.33	3.08	3.95
160	30.9	26.4	13.1	7.71	4.42	3.48	3.18	3.29	4.03	7.51	10.9	27.8	43.7	35.4	15.8	5.39	3.14	3.09	3.58
165	9.50	9.23	7.56	5.69	4.04	3.42	3.20	3.42	4.22	5.34	7.14	9.30	13.0	10.9	7.07	4.04	3.30	3.15	3.53
170	6.72	6.42	5.61	4.69	3.90	3.40	3.28	3.56	4.27	5.16	5.97	6.52	7.73	6.61	5.04	4.02	3.37	3.22	3.50
175	6.56	6.18	5.41	4.52	3.79	3.38	3.35	3.71	4.45	5.32	6.03	6.40	6.54	6.01	5.13	4.19	3.52	3.28	3.47
180	6.51	6.07	5.25	4.35	3.66	3.33	3.41	3.87	4.64	5.48	6.14	6.42	6.52	6.07	5.26	4.34	3.65	3.33	3.41

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: wxh
 Test Date: 2017-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: ACCESS LIGHTING CORP GO-2000B_V1
 SYSTEM V2.0.291 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.9V I:0.2567A P:30.66W PF:0.9965 Lamp Flux:2198.61x1 lm		
NAME: 20034LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ACCESS LIGHTING CORP	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	4.17	4.74	5.49	6.17	6.57														
5	4.26	4.96	5.89	6.69	7.24														
10	4.56	5.81	7.56	8.66	9.57														
15	5.14	7.47	9.73	11.9	13.3														
20	6.08	9.33	13.5	26.5	35.8														
25	7.08	11.7	31.3	53.3	68.1														
30	8.22	23.5	55.4	87.9	108														
35	9.41	34.9	86.0	125	151														
40	10.7	54.1	113	164	201														
45	14.1	73.7	144	217	256														
50	20.0	92.7	178	264	327														
55	26.0	111	223	331	373														
60	32.2	128	255	361	407														
65	40.2	143	289	395	425														
70	43.3	158	322	405	444														
75	45.2	168	351	425	458														
80	50.3	179	352	428	462														
85	54.5	190	361	445	453														
90	56.0	192	359	443	452														
95	55.6	189	354	450	461														
100	57.7	179	357	435	478														
105	51.9	169	354	451	466														
110	49.8	156	333	411	449														
115	45.9	148	299	391	418														
120	36.9	137	260	362	406														
125	29.6	123	223	343	365														
130	22.4	103	194	281	336														
135	11.2	86.3	150	232	269														
140	8.83	61.4	118	184	213														
145	6.56	36.6	77.4	134	149														
150	5.40	18.3	41.8	83.4	98.3														
155	4.63	8.36	21.8	34.7	52.3														
160	4.41	6.37	9.44	15.9	28.7														
165	4.28	5.46	7.35	9.08	9.80														
170	4.16	5.03	5.99	6.99	7.35														
175	4.04	4.86	5.68	6.30	6.52														
180	3.87	4.65	5.48	6.15	6.43														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: wxh
 Test Date: 2017-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: ACCESS LIGHTING CORP GO-2000B_V1
 SYSTEM V2.0.291 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks: