

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P571889

Luminaire Tested: 22ID-20-L840-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571889
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-397-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/5/2021
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22ID-20-L840-SWR
Description: 2000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED SWEEP LENS AND 4000K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2061.0 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.2 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

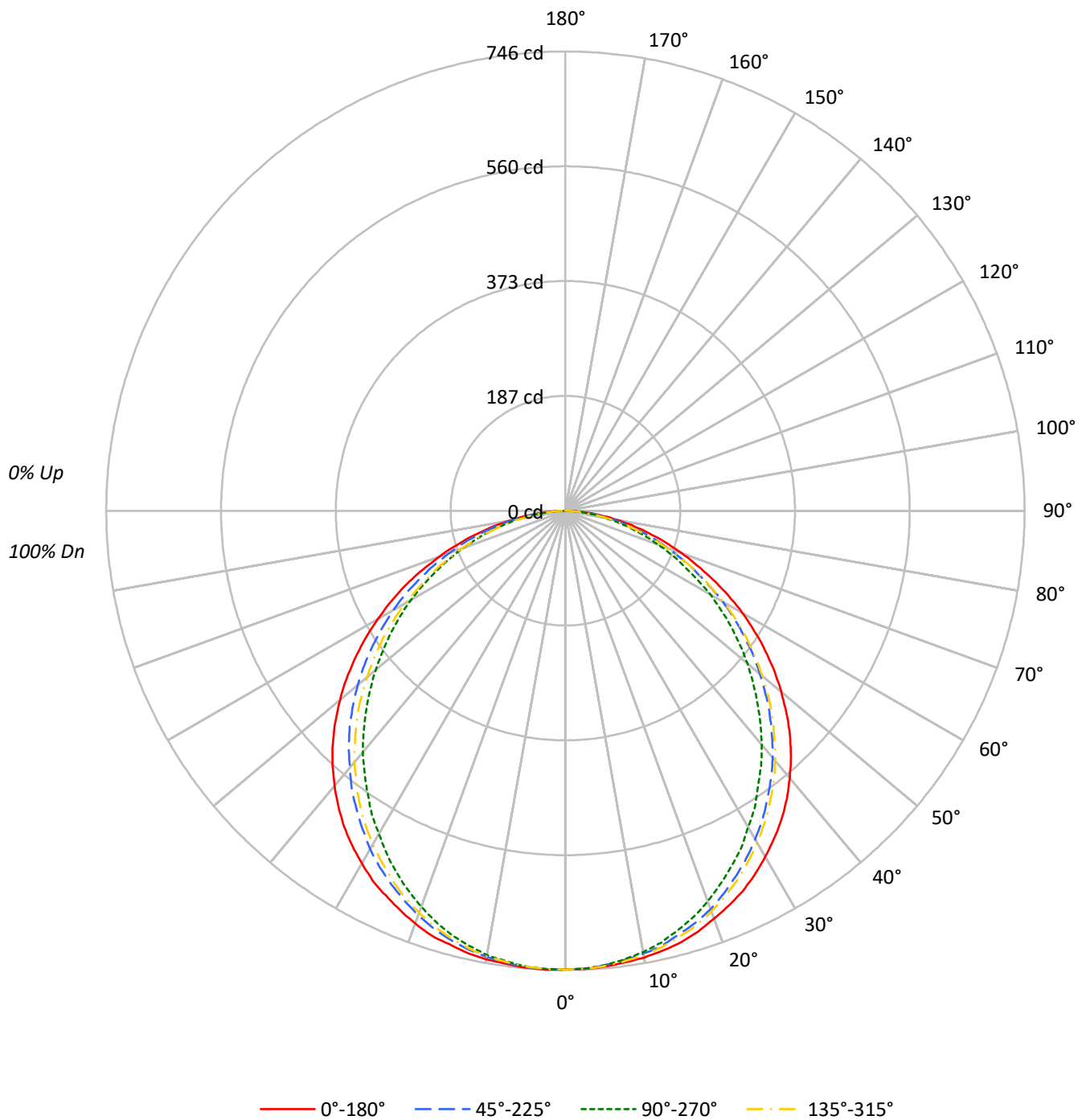
Input Watts (W): 16.3
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	76	72
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53
5	76	63	54	48	74	62	54	47	60	53	47	58	52	46	56	51	46
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40
7	65	52	43	37	64	51	43	37	49	42	36	48	41	36	47	41	36
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	33	29
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	2005	2005	2005	2005
5°	2008	2002	2013	2008
10°	2014	1989	2022	2003
15°	2022	1965	2031	1988
20°	2020	1935	2043	1961
25°	2024	1893	2049	1927
30°	2017	1845	2055	1883
35°	2011	1792	2058	1839
40°	1992	1744	2050	1798
45°	1963	1679	2034	1741
50°	1916	1616	2002	1684
55°	1859	1542	1955	1623
60°	1785	1460	1895	1559
65°	1682	1356	1825	1466
70°	1578	1257	1715	1386
75°	1458	1138	1597	1288
80°	1317	1000	1412	1158
85°	1074	821	1105	979

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 2034 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	3.4
10°-20°	202.5	9.8
20°-30°	305.7	14.8
30°-40°	365.0	17.7
40°-50°	372.4	18.1
50°-60°	328.5	15.9
60°-70°	242.7	11.8
70°-80°	136.9	6.6
80°-90°	36.6	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	578.8	28.1
0°-40°	943.8	45.8
0°-60°	1644.7	79.8
0°-90°	2061.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2061.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	745	745	745	745	745	
5°	743	741	745	743	743	71
15°	726	705	729	714	726	205
25°	682	638	690	649	682	314
35°	612	546	626	560	612	383
45°	516	441	534	458	516	397
55°	396	329	417	346	396	354
65°	264	213	287	230	264	262
75°	140	110	154	124	140	149
85°	35	27	36	32	35	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2
2.5°	745.2	745.2	745.2	745.2	744.2	743.2	743.2	744.2	744.2	743.2	744.2
5°	743.2	743.2	743.2	742.2	741.1	741.1	741.1	741.1	740.1	741.1	741.1
7.5°	740.1	740.1	740.1	739.1	738.1	738.1	738.1	737.0	736.0	737.0	736.0
10°	737.0	736.0	736.0	736.0	734.0	732.9	732.9	732.9	731.9	731.9	730.9
12.5°	731.9	730.9	730.9	729.9	728.9	727.8	726.8	725.8	724.8	723.7	723.7
15°	725.8	725.8	723.7	722.7	720.7	719.6	718.6	717.6	715.5	714.5	712.5
17.5°	716.6	716.6	714.5	713.5	711.4	709.4	709.4	707.4	705.3	703.3	702.2
20°	705.3	706.3	705.3	703.3	700.2	699.2	698.1	696.1	693.0	691.0	688.9
22.5°	694.0	695.1	693.0	690.0	687.9	686.9	684.8	681.8	678.7	675.6	672.6
25°	681.8	680.7	678.7	676.6	673.6	672.6	670.5	667.4	662.3	659.2	655.1
27.5°	666.4	666.4	663.3	661.3	656.2	656.2	653.1	649.0	644.9	639.8	636.7
30°	649.0	649.0	647.0	643.9	638.8	637.7	634.7	631.6	625.5	620.3	616.2
32.5°	631.6	630.6	628.5	625.5	620.3	618.3	615.2	611.1	606.0	598.8	595.8
35°	612.2	611.1	608.1	604.0	599.9	597.8	594.8	589.6	584.5	577.3	572.2
37.5°	590.7	589.6	586.6	582.5	577.3	575.3	572.2	567.1	559.9	554.8	548.7
40°	567.1	566.1	564.0	559.9	554.8	552.8	548.7	543.6	535.4	529.2	524.1
42.5°	542.5	541.5	538.4	533.3	529.2	527.2	523.1	518.0	510.8	503.6	496.5
45°	515.9	514.9	511.8	505.7	502.6	499.6	495.5	490.3	484.2	478.1	469.9
47.5°	487.3	486.2	484.2	479.1	472.9	471.9	467.8	462.7	455.5	447.3	441.2
50°	457.6	457.6	454.5	450.4	446.3	443.2	439.2	434.0	424.8	419.7	412.5
52.5°	427.9	426.9	424.8	419.7	416.6	413.6	408.4	405.4	396.2	392.1	383.9
55°	396.2	395.1	391.0	388.0	385.9	382.9	378.8	372.6	367.5	361.4	354.2
57.5°	364.4	363.4	360.3	358.3	354.2	351.1	347.0	342.9	335.8	331.7	324.5
60°	331.7	331.7	329.6	326.6	322.5	319.4	316.3	312.2	306.1	299.9	294.8
62.5°	298.9	298.9	295.8	292.8	290.7	287.7	285.6	280.5	275.4	271.3	263.1
65°	264.1	264.1	260.0	259.0	256.9	254.9	251.8	246.7	243.6	236.5	233.4
67.5°	231.3	232.4	229.3	229.3	226.2	224.2	221.1	217.0	213.9	207.8	204.7
70°	200.6	201.7	199.6	198.6	195.5	193.5	191.4	188.4	184.3	182.2	177.1
72.5°	169.9	171.0	168.9	168.9	165.8	164.8	162.8	160.7	156.6	154.6	149.5
75°	140.2	139.2	139.2	140.2	137.2	136.1	135.1	131.0	129.0	126.9	122.8
77.5°	111.6	111.6	112.6	111.6	109.5	108.5	106.5	103.4	102.4	101.3	97.2
80°	85.0	86.0	86.0	85.0	82.9	81.9	80.9	77.8	76.8	76.8	73.7
82.5°	59.4	59.4	58.3	59.4	57.3	56.3	57.3	54.3	53.2	53.2	51.2
85°	34.8	33.8	33.8	34.8	33.8	33.8	33.8	31.7	31.7	31.7	29.7
87.5°	13.3	13.3	14.3	14.3	13.3	13.3	13.3	13.3	12.3	12.3	11.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2
2.5°	743.2	743.2	743.2	743.2	744.2	743.2	744.2	744.2	745.2	744.2	745.2
5°	741.1	741.1	740.1	740.1	740.1	740.1	740.1	740.1	740.1	741.1	741.1
7.5°	736.0	736.0	735.0	735.0	735.0	735.0	734.0	734.0	735.0	735.0	735.0
10°	729.9	728.9	727.8	727.8	727.8	727.8	726.8	727.8	727.8	727.8	727.8
12.5°	720.7	720.7	719.6	718.6	718.6	718.6	717.6	718.6	718.6	718.6	718.6
15°	711.4	710.4	709.4	707.4	707.4	706.3	705.3	706.3	705.3	705.3	706.3
17.5°	698.1	698.1	696.1	695.1	694.0	693.0	692.0	692.0	692.0	692.0	694.0
20°	684.8	683.8	681.8	677.7	678.7	677.7	675.6	676.6	676.6	675.6	675.6
22.5°	670.5	666.4	664.4	660.3	661.3	659.2	658.2	659.2	658.2	657.2	659.2
25°	651.1	649.0	643.9	643.9	641.8	640.8	640.8	639.8	638.8	637.7	639.8
27.5°	633.7	629.6	626.5	622.4	620.3	620.3	619.3	618.3	616.2	618.3	618.3
30°	612.2	608.1	602.9	600.9	598.8	598.8	596.8	595.8	593.7	593.7	596.8
32.5°	591.7	585.5	580.4	577.3	576.3	575.3	574.3	570.2	571.2	572.2	573.3
35°	567.1	562.0	557.9	554.8	551.8	550.7	549.7	546.6	546.6	545.6	548.7
37.5°	543.6	537.4	534.4	529.2	527.2	525.1	524.1	522.1	521.0	522.1	523.1
40°	518.0	512.9	507.7	502.6	500.6	499.6	496.5	496.5	494.4	496.5	496.5
42.5°	491.4	486.2	480.1	476.0	474.0	471.9	469.9	468.8	468.8	468.8	469.9
45°	464.7	458.6	452.5	448.4	446.3	445.3	442.2	441.2	439.2	441.2	442.2
47.5°	436.1	431.0	424.8	421.8	418.7	417.7	414.6	412.5	411.5	413.6	413.6
50°	407.4	402.3	397.2	393.1	390.0	389.0	385.9	385.9	383.9	385.9	385.9
52.5°	378.8	373.6	368.5	363.4	361.4	360.3	357.3	357.3	357.3	357.3	357.3
55°	350.1	342.9	339.9	334.7	332.7	331.7	330.6	327.6	328.6	328.6	328.6
57.5°	320.4	315.3	309.1	307.1	304.0	303.0	303.0	298.9	297.9	299.9	299.9
60°	290.7	286.6	280.5	277.4	275.4	275.4	272.3	268.2	267.2	271.3	271.3
62.5°	260.0	253.9	250.8	247.7	245.7	244.7	243.6	240.6	241.6	240.6	240.6
65°	231.3	225.2	223.2	220.1	218.0	217.0	216.0	213.9	211.9	212.9	212.9
67.5°	202.7	197.6	194.5	192.4	190.4	190.4	188.4	186.3	187.3	186.3	186.3
70°	175.0	171.0	166.9	165.8	163.8	163.8	162.8	161.7	160.7	159.7	159.7
72.5°	148.4	144.3	141.3	139.2	138.2	138.2	137.2	134.1	135.1	134.1	134.1
75°	120.8	117.7	116.7	114.7	113.6	113.6	112.6	110.6	111.6	109.5	107.5
77.5°	96.2	93.2	92.1	91.1	92.1	91.1	88.0	89.1	88.0	86.0	86.0
80°	73.7	70.6	70.6	68.6	67.6	67.6	66.5	66.5	65.5	64.5	64.5
82.5°	50.2	49.1	48.1	47.1	46.1	48.1	46.1	45.0	45.0	45.0	44.0
85°	28.7	28.7	27.6	27.6	26.6	27.6	26.6	25.6	26.6	26.6	24.6
87.5°	11.3	12.3	10.2	10.2	10.2	10.2	9.2	10.2	10.2	10.2	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2
2.5°	745.2	744.2	744.2	744.2	744.2	743.2	744.2	744.2	745.2	744.2	744.2
5°	741.1	740.1	741.1	740.1	740.1	741.1	741.1	742.2	742.2	743.2	743.2
7.5°	735.0	735.0	735.0	735.0	735.0	736.0	736.0	737.0	738.1	738.1	739.1
10°	727.8	727.8	728.9	727.8	728.9	729.9	730.9	731.9	732.9	734.0	734.0
12.5°	718.6	718.6	718.6	720.7	720.7	721.7	722.7	724.8	725.8	727.8	727.8
15°	706.3	706.3	708.4	708.4	709.4	711.4	713.5	714.5	716.6	718.6	719.6
17.5°	693.0	693.0	695.1	695.1	696.1	699.2	701.2	702.2	706.3	708.4	710.4
20°	677.7	677.7	680.7	679.7	681.8	684.8	686.9	690.0	693.0	696.1	698.1
22.5°	659.2	660.3	663.3	663.3	664.4	668.5	671.5	674.6	677.7	681.8	684.8
25°	639.8	640.8	643.9	644.9	645.9	650.0	654.1	656.2	661.3	666.4	668.5
27.5°	618.3	620.3	622.4	623.4	625.5	630.6	634.7	638.8	642.9	648.0	652.1
30°	596.8	598.8	600.9	601.9	604.0	609.1	613.2	618.3	623.4	628.5	632.6
32.5°	572.2	575.3	577.3	579.4	580.4	586.6	591.7	596.8	601.9	608.1	613.2
35°	548.7	551.8	553.8	554.8	556.9	563.0	567.1	572.2	579.4	585.5	590.7
37.5°	523.1	525.1	529.2	529.2	531.3	538.4	543.6	548.7	555.9	562.0	568.1
40°	497.5	498.5	502.6	503.6	505.7	512.9	518.0	525.1	530.3	537.4	543.6
42.5°	469.9	472.9	477.0	479.1	481.1	485.2	489.3	497.5	502.6	510.8	517.0
45°	442.2	445.3	447.3	448.4	453.5	457.6	461.7	469.9	476.0	483.2	490.3
47.5°	414.6	416.6	419.7	423.8	425.8	429.9	433.0	441.2	447.3	455.5	461.7
50°	385.9	389.0	391.0	392.1	396.2	401.3	405.4	412.5	417.7	425.8	433.0
52.5°	357.3	361.4	361.4	365.4	367.5	369.5	375.7	382.9	388.0	395.1	402.3
55°	329.6	331.7	334.7	335.8	338.8	340.9	345.0	352.1	358.3	365.4	372.6
57.5°	298.9	301.0	303.0	307.1	309.1	313.2	317.3	322.5	327.6	334.7	339.9
60°	269.2	272.3	274.3	277.4	277.4	282.5	287.7	292.8	296.9	304.0	309.1
62.5°	242.6	242.6	242.6	246.7	245.7	249.8	253.9	260.0	264.1	273.3	279.5
65°	213.9	215.0	215.0	218.0	217.0	221.1	224.2	230.3	234.4	239.5	245.7
67.5°	186.3	186.3	187.3	190.4	189.4	192.4	197.6	200.6	203.7	209.9	215.0
70°	157.6	158.7	159.7	162.8	161.7	165.8	168.9	171.0	175.0	179.1	183.2
72.5°	133.1	133.1	136.1	136.1	135.1	138.2	141.3	143.3	145.4	150.5	155.6
75°	109.5	108.5	110.6	110.6	109.5	110.6	112.6	115.7	117.7	121.8	125.9
77.5°	86.0	85.0	87.0	87.0	87.0	86.0	89.1	90.1	91.1	93.2	97.2
80°	63.5	62.4	64.5	64.5	62.4	63.5	65.5	66.5	66.5	68.6	71.7
82.5°	44.0	43.0	44.0	44.0	44.0	44.0	45.0	44.0	45.0	45.0	48.1
85°	26.6	25.6	26.6	25.6	25.6	24.6	26.6	25.6	25.6	26.6	26.6
87.5°	9.2	9.2	10.2	10.2	9.2	10.2	9.2	9.2	9.2	10.2	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2
2.5°	745.2	745.2	745.2	745.2	745.2	745.2	746.3	746.3	745.2	746.3	745.2
5°	743.2	743.2	744.2	744.2	744.2	744.2	744.2	745.2	745.2	745.2	744.2
7.5°	740.1	740.1	740.1	740.1	741.1	742.2	742.2	742.2	743.2	742.2	742.2
10°	735.0	737.0	737.0	738.1	738.1	739.1	740.1	740.1	740.1	740.1	740.1
12.5°	729.9	730.9	731.9	732.9	734.0	734.0	736.0	736.0	736.0	736.0	735.0
15°	721.7	723.7	724.8	725.8	727.8	727.8	729.9	728.9	730.9	729.9	728.9
17.5°	712.5	714.5	716.6	716.6	719.6	720.7	722.7	723.7	723.7	722.7	720.7
20°	701.2	704.3	705.3	707.4	709.4	711.4	712.5	713.5	714.5	713.5	712.5
22.5°	687.9	692.0	693.0	695.1	698.1	700.2	701.2	702.2	703.3	703.3	701.2
25°	673.6	678.7	678.7	681.8	684.8	687.9	690.0	690.0	692.0	690.0	690.0
27.5°	656.2	662.3	665.4	666.4	670.5	673.6	675.6	677.7	677.7	675.6	675.6
30°	638.8	644.9	648.0	649.0	654.1	657.2	659.2	661.3	661.3	661.3	659.2
32.5°	619.3	626.5	629.6	630.6	636.7	639.8	642.9	644.9	644.9	643.9	640.8
35°	598.8	604.0	609.1	611.1	616.2	619.3	624.4	626.5	625.5	625.5	622.4
37.5°	575.3	583.5	586.6	588.6	594.8	598.8	604.0	606.0	606.0	605.0	602.9
40°	550.7	559.9	563.0	566.1	572.2	577.3	580.4	583.5	583.5	583.5	581.4
42.5°	526.2	533.3	537.4	540.5	547.7	550.7	555.9	559.9	559.9	558.9	555.9
45°	498.5	506.7	510.8	513.9	521.0	527.2	530.3	534.4	533.3	533.3	529.2
47.5°	470.9	479.1	483.2	486.2	493.4	500.6	502.6	506.7	506.7	506.7	502.6
50°	442.2	450.4	453.5	456.6	464.7	468.8	474.0	478.1	478.1	479.1	475.0
52.5°	412.5	418.7	423.8	425.8	434.0	439.2	443.2	448.4	448.4	446.3	446.3
55°	380.8	388.0	393.1	395.1	401.3	409.5	412.5	416.6	416.6	416.6	414.6
57.5°	349.1	357.3	361.4	363.4	370.6	376.7	380.8	384.9	385.9	385.9	381.8
60°	316.3	324.5	328.6	330.6	338.8	344.0	348.0	352.1	353.2	354.2	350.1
62.5°	285.6	292.8	296.9	298.9	305.1	309.1	314.3	319.4	320.4	320.4	318.4
65°	251.8	259.0	262.1	264.1	269.2	276.4	282.5	286.6	287.7	286.6	286.6
67.5°	220.1	226.2	230.3	231.3	236.5	243.6	246.7	250.8	251.8	251.8	250.8
70°	188.4	195.5	198.6	200.6	204.7	210.9	213.9	218.0	219.1	220.1	218.0
72.5°	158.7	163.8	166.9	168.9	174.0	179.1	181.2	185.3	187.3	187.3	185.3
75°	129.0	134.1	136.1	138.2	142.3	147.4	149.5	153.6	155.6	154.6	154.6
77.5°	100.3	104.4	106.5	107.5	110.6	116.7	117.7	121.8	121.8	122.8	122.8
80°	73.7	76.8	78.8	79.8	81.9	86.0	88.0	91.1	93.2	92.1	92.1
82.5°	49.1	51.2	53.2	55.3	55.3	59.4	59.4	62.4	62.4	64.5	63.5
85°	27.6	28.7	29.7	30.7	30.7	33.8	33.8	35.8	37.9	35.8	35.8
87.5°	9.2	10.2	10.2	11.3	10.2	12.3	11.3	13.3	14.3	14.3	13.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: 22ID-20-L840-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2
2.5°	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2
5°	744.2	744.2	743.2	744.2	744.2	744.2	744.2	743.2	743.2	743.2	743.2
7.5°	742.2	741.1	741.1	741.1	740.1	740.1	740.1	740.1	739.1	739.1	739.1
10°	739.1	738.1	738.1	738.1	737.0	737.0	736.0	735.0	735.0	734.0	732.9
12.5°	735.0	734.0	732.9	732.9	731.9	730.9	729.9	728.9	727.8	725.8	725.8
15°	727.8	727.8	726.8	725.8	723.7	723.7	721.7	720.7	718.6	716.6	716.6
17.5°	720.7	719.6	718.6	716.6	714.5	713.5	711.4	709.4	707.4	705.3	704.3
20°	711.4	708.4	709.4	706.3	704.3	702.2	699.2	697.1	694.0	692.0	690.0
22.5°	699.2	698.1	697.1	694.0	691.0	690.0	684.8	681.8	678.7	675.6	673.6
25°	685.9	684.8	683.8	680.7	676.6	674.6	669.5	666.4	661.3	659.2	657.2
27.5°	670.5	670.5	668.5	664.4	661.3	656.2	653.1	647.0	642.9	639.8	637.7
30°	654.1	654.1	652.1	647.0	642.9	637.7	634.7	628.5	623.4	620.3	616.2
32.5°	637.7	636.7	634.7	629.6	624.4	619.3	613.2	608.1	601.9	598.8	594.8
35°	618.3	617.3	615.2	609.1	605.0	598.8	591.7	585.5	579.4	576.3	570.2
37.5°	597.8	595.8	593.7	586.6	581.4	575.3	570.2	562.0	555.9	551.8	548.7
40°	575.3	574.3	571.2	565.1	557.9	551.8	544.6	538.4	532.3	527.2	523.1
42.5°	552.8	548.7	546.6	540.5	535.4	526.2	521.0	512.9	506.7	502.6	496.5
45°	527.2	524.1	521.0	514.9	507.7	500.6	495.5	486.2	480.1	475.0	469.9
47.5°	498.5	497.5	494.4	487.3	481.1	474.0	467.8	458.6	452.5	448.4	443.2
50°	469.9	468.8	466.8	459.6	451.4	445.3	440.2	431.0	424.8	418.7	415.6
52.5°	443.2	439.2	437.1	431.0	422.8	415.6	411.5	402.3	396.2	390.0	385.9
55°	412.5	409.5	407.4	402.3	395.1	385.9	381.8	373.6	368.5	364.4	358.3
57.5°	381.8	377.7	375.7	369.5	364.4	357.3	352.1	344.0	338.8	334.7	330.6
60°	347.0	347.0	345.0	338.8	333.7	326.6	322.5	314.3	309.1	306.1	301.0
62.5°	318.4	314.3	313.2	306.1	303.0	295.8	292.8	285.6	282.5	277.4	272.3
65°	282.5	282.5	281.5	277.4	273.3	264.1	260.0	253.9	250.8	246.7	242.6
67.5°	250.8	247.7	247.7	243.6	238.5	233.4	230.3	224.2	222.1	217.0	213.9
70°	219.1	216.0	216.0	210.9	207.8	202.7	200.6	195.5	191.4	189.4	186.3
72.5°	187.3	185.3	184.3	180.2	178.1	173.0	172.0	166.9	162.8	161.7	158.7
75°	155.6	153.6	150.5	151.5	147.4	143.3	142.3	139.2	137.2	134.1	131.0
77.5°	123.9	121.8	121.8	119.8	117.7	114.7	113.6	111.6	108.5	106.5	104.4
80°	94.2	92.1	92.1	91.1	88.0	86.0	86.0	82.9	82.9	80.9	79.8
82.5°	64.5	63.5	62.4	63.5	61.4	59.4	60.4	59.4	58.3	56.3	55.3
85°	37.9	36.9	35.8	37.9	35.8	36.9	35.8	34.8	34.8	33.8	32.8
87.5°	14.3	14.3	13.3	14.3	14.3	15.4	14.3	14.3	14.3	14.3	14.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: 22ID-20-L840-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2
2.5°	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2
5°	743.2	743.2	743.2	743.2	743.2	743.2	743.2	743.2	743.2	742.2	743.2
7.5°	739.1	738.1	739.1	738.1	738.1	738.1	738.1	738.1	738.1	738.1	738.1
10°	732.9	732.9	732.9	732.9	732.9	732.9	732.9	732.9	732.9	731.9	731.9
12.5°	725.8	725.8	724.8	724.8	724.8	723.7	723.7	724.8	724.8	723.7	724.8
15°	715.5	716.6	714.5	713.5	713.5	713.5	713.5	713.5	713.5	713.5	714.5
17.5°	704.3	703.3	702.2	702.2	701.2	700.2	700.2	701.2	701.2	702.2	702.2
20°	690.0	690.0	687.9	686.9	685.9	684.8	684.8	685.9	685.9	685.9	687.9
22.5°	673.6	672.6	670.5	669.5	669.5	667.4	668.5	669.5	669.5	669.5	670.5
25°	655.1	654.1	653.1	652.1	650.0	649.0	649.0	651.1	651.1	653.1	654.1
27.5°	635.7	634.7	632.6	630.6	629.6	628.5	628.5	630.6	630.6	632.6	633.7
30°	615.2	614.2	611.1	610.1	607.0	606.0	607.0	609.1	610.1	611.1	612.2
32.5°	593.7	591.7	588.6	587.6	584.5	585.5	583.5	586.6	587.6	588.6	589.6
35°	570.2	568.1	565.1	562.0	561.0	559.9	559.9	562.0	562.0	565.1	566.1
37.5°	544.6	543.6	540.5	538.4	536.4	536.4	534.4	537.4	538.4	540.5	540.5
40°	521.0	520.0	514.9	512.9	510.8	511.8	508.8	511.8	512.9	514.9	515.9
42.5°	493.4	492.4	488.3	486.2	484.2	485.2	482.1	485.2	484.2	487.3	488.3
45°	466.8	465.8	462.7	458.6	456.6	457.6	457.6	457.6	456.6	459.6	460.7
47.5°	440.2	438.1	435.1	431.0	428.9	429.9	429.9	429.9	428.9	433.0	433.0
50°	412.5	410.5	407.4	403.3	402.3	402.3	402.3	402.3	402.3	404.3	405.4
52.5°	383.9	382.9	379.8	375.7	373.6	373.6	373.6	371.6	373.6	374.7	375.7
55°	355.2	354.2	349.1	347.0	345.0	346.0	345.0	344.0	344.0	346.0	347.0
57.5°	326.6	325.5	322.5	321.4	316.3	317.3	316.3	316.3	317.3	317.3	318.4
60°	297.9	296.9	293.8	292.8	288.7	289.7	285.6	287.7	288.7	288.7	288.7
62.5°	267.2	267.2	262.1	260.0	258.0	259.0	255.9	255.9	255.9	258.0	258.0
65°	239.5	238.5	234.4	232.4	230.3	230.3	228.3	228.3	227.3	229.3	229.3
67.5°	210.9	210.9	206.8	204.7	202.7	203.7	200.6	200.6	201.7	201.7	201.7
70°	183.2	183.2	180.2	179.1	176.1	176.1	173.0	174.0	174.0	174.0	174.0
72.5°	156.6	156.6	153.6	152.5	149.5	149.5	146.4	147.4	147.4	146.4	146.4
75°	130.0	131.0	125.9	124.9	122.8	123.9	121.8	120.8	121.8	119.8	119.8
77.5°	103.4	103.4	102.4	101.3	98.3	98.3	97.2	95.2	96.2	94.2	94.2
80°	77.8	78.8	75.8	76.8	73.7	74.7	73.7	71.7	71.7	70.6	69.6
82.5°	54.3	54.3	53.2	54.3	53.2	52.2	51.2	50.2	50.2	48.1	48.1
85°	32.8	33.8	31.7	32.8	32.8	31.7	29.7	29.7	29.7	28.7	28.7
87.5°	13.3	15.4	14.3	14.3	14.3	14.3	13.3	14.3	13.3	12.3	12.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: 22ID-20-L840-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2
2.5°	744.2	745.2	745.2	745.2	745.2	744.2	744.2	744.2	744.2	744.2	745.2
5°	742.2	743.2	743.2	743.2	743.2	743.2	743.2	743.2	743.2	743.2	743.2
7.5°	738.1	738.1	739.1	739.1	739.1	739.1	740.1	739.1	740.1	739.1	740.1
10°	731.9	732.9	734.0	734.0	735.0	734.0	735.0	735.0	736.0	736.0	736.0
12.5°	724.8	725.8	725.8	727.8	727.8	727.8	728.9	728.9	729.9	730.9	730.9
15°	714.5	715.5	716.6	716.6	718.6	720.7	720.7	721.7	722.7	723.7	723.7
17.5°	702.2	703.3	704.3	706.3	708.4	710.4	711.4	711.4	713.5	714.5	714.5
20°	687.9	690.0	692.0	694.0	695.1	698.1	699.2	700.2	702.2	704.3	704.3
22.5°	672.6	673.6	676.6	678.7	680.7	683.8	684.8	687.9	690.0	691.0	692.0
25°	654.1	656.2	659.2	661.3	663.3	667.4	670.5	672.6	675.6	677.7	677.7
27.5°	633.7	636.7	639.8	641.8	644.9	650.0	653.1	655.1	659.2	661.3	662.3
30°	613.2	615.2	619.3	622.4	625.5	630.6	634.7	637.7	641.8	643.9	644.9
32.5°	590.7	593.7	597.8	600.9	605.0	610.1	614.2	617.3	623.4	624.4	625.5
35°	567.1	570.2	573.3	578.4	582.5	587.6	592.7	596.8	599.9	604.0	605.0
37.5°	542.5	545.6	549.7	553.8	557.9	564.0	569.2	572.2	577.3	580.4	582.5
40°	517.0	520.0	525.1	530.3	533.3	539.5	544.6	548.7	555.9	557.9	557.9
42.5°	489.3	493.4	496.5	502.6	505.7	512.9	518.0	524.1	528.2	531.3	532.3
45°	462.7	465.8	471.9	476.0	479.1	486.2	491.4	496.5	501.6	503.6	505.7
47.5°	434.0	438.1	443.2	445.3	450.4	457.6	462.7	467.8	474.0	476.0	477.0
50°	406.4	409.5	412.5	416.6	420.7	427.9	434.0	439.2	444.3	446.3	447.3
52.5°	377.7	380.8	383.9	389.0	391.0	398.2	401.3	406.4	413.6	415.6	416.6
55°	348.0	352.1	356.2	359.3	361.4	367.5	371.6	377.7	381.8	383.9	385.9
57.5°	318.4	321.4	325.5	329.6	330.6	336.8	341.9	345.0	350.1	352.1	354.2
60°	289.7	292.8	295.8	296.9	299.9	306.1	311.2	313.2	318.4	320.4	321.4
62.5°	259.0	260.0	264.1	267.2	267.2	275.4	278.4	282.5	286.6	287.7	289.7
65°	230.3	232.4	232.4	234.4	237.5	242.6	244.7	249.8	252.8	253.9	254.9
67.5°	201.7	203.7	205.8	207.8	207.8	212.9	213.9	218.0	221.1	222.1	223.2
70°	174.0	174.0	177.1	179.1	178.1	182.2	184.3	186.3	190.4	191.4	192.4
72.5°	147.4	146.4	148.4	150.5	152.5	153.6	155.6	156.6	159.7	161.7	162.8
75°	120.8	121.8	121.8	122.8	121.8	122.8	125.9	129.0	131.0	132.1	134.1
77.5°	94.2	95.2	95.2	96.2	97.2	97.2	98.3	102.4	104.4	105.4	104.4
80°	69.6	70.6	70.6	71.7	72.7	73.7	73.7	75.8	78.8	79.8	79.8
82.5°	49.1	49.1	49.1	49.1	50.2	50.2	51.2	53.2	55.3	55.3	57.3
85°	29.7	29.7	28.7	29.7	28.7	29.7	30.7	32.8	33.8	33.8	34.8
87.5°	13.3	12.3	13.3	13.3	12.3	12.3	12.3	13.3	13.3	14.3	14.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571889

CATALOG NUMBER: 22ID-20-L840-SWR

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	745.2	745.2	745.2	745.2
2.5°	745.2	745.2	745.2	745.2
5°	743.2	743.2	743.2	743.2
7.5°	740.1	740.1	740.1	740.1
10°	736.0	737.0	737.0	737.0
12.5°	730.9	730.9	731.9	731.9
15°	724.8	724.8	724.8	725.8
17.5°	715.5	716.6	716.6	716.6
20°	705.3	706.3	706.3	705.3
22.5°	692.0	693.0	694.0	694.0
25°	678.7	680.7	681.8	681.8
27.5°	663.3	665.4	666.4	666.4
30°	647.0	649.0	649.0	649.0
32.5°	627.5	630.6	631.6	631.6
35°	607.0	611.1	612.2	612.2
37.5°	585.5	587.6	590.7	590.7
40°	562.0	564.0	567.1	567.1
42.5°	536.4	540.5	540.5	542.5
45°	508.8	512.9	513.9	515.9
47.5°	481.1	485.2	486.2	487.3
50°	451.4	454.5	457.6	457.6
52.5°	421.8	423.8	425.8	427.9
55°	390.0	393.1	394.1	396.2
57.5°	357.3	361.4	362.4	364.4
60°	325.5	328.6	330.6	331.7
62.5°	293.8	295.8	296.9	298.9
65°	259.0	262.1	262.1	264.1
67.5°	227.3	229.3	230.3	231.3
70°	193.5	197.6	198.6	200.6
72.5°	163.8	167.9	167.9	169.9
75°	137.2	138.2	138.2	140.2
77.5°	108.5	109.5	110.6	111.6
80°	81.9	82.9	82.9	85.0
82.5°	58.3	58.3	58.3	59.4
85°	35.8	34.8	33.8	34.8
87.5°	14.3	14.3	15.4	13.3
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P571889

CATALOG NUMBER: 22ID-20-L840-SWR

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference 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	14.33	15.96	14.70	16.27	16.59	13.21	14.84	13.58	15.16	15.47
	3H	16.08	17.55	16.46	17.88	18.24	14.83	16.30	15.21	16.63	16.99
	4H	16.74	18.13	17.14	18.47	18.85	15.42	16.81	15.82	17.16	17.53
	6H	17.23	18.52	17.64	18.88	19.27	15.86	17.14	16.27	17.51	17.90
	8H	17.39	18.62	17.82	19.01	19.40	15.99	17.22	16.41	17.60	18.00
	12H	17.49	18.66	17.92	19.05	19.47	16.07	17.25	16.50	17.63	18.06
4H	2H	14.81	16.20	15.21	16.55	16.92	13.91	15.30	14.31	15.65	16.02
	3H	16.79	17.95	17.20	18.35	18.75	15.74	16.90	16.15	17.30	17.70
	4H	17.59	18.64	18.02	19.05	19.48	16.45	17.49	16.88	17.91	18.34
	6H	18.22	19.14	18.67	19.58	20.03	16.99	17.91	17.44	18.35	18.80
	8H	18.43	19.29	18.89	19.73	20.20	17.16	18.02	17.62	18.46	18.93
	12H	18.58	19.35	19.06	19.82	20.29	17.28	18.05	17.76	18.52	18.99
8H	4H	17.82	18.68	18.28	19.12	19.59	16.79	17.65	17.25	18.09	18.56
	6H	18.57	19.28	19.06	19.77	20.24	17.45	18.16	17.94	18.65	19.12
	8H	18.85	19.49	19.36	20.00	20.48	17.68	18.32	18.19	18.83	19.31
	12H	19.07	19.64	19.58	20.13	20.69	17.86	18.42	18.36	18.91	19.47
12H	4H	17.84	18.61	18.32	19.09	19.56	16.84	17.61	17.32	18.08	18.55
	6H	18.60	19.24	19.11	19.75	20.23	17.51	18.15	18.02	18.66	19.14
	8H	18.94	19.50	19.44	19.99	20.55	17.80	18.36	18.31	18.86	19.42

END OF REPORT