

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: P571893

Luminaire Tested: 22ID-20-L850-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571893
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-L850-SWR
Description: 2000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED SWEEP LENS AND 5000K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2124.0 lumens
Efficiency: N/A
Efficacy: 130.3 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

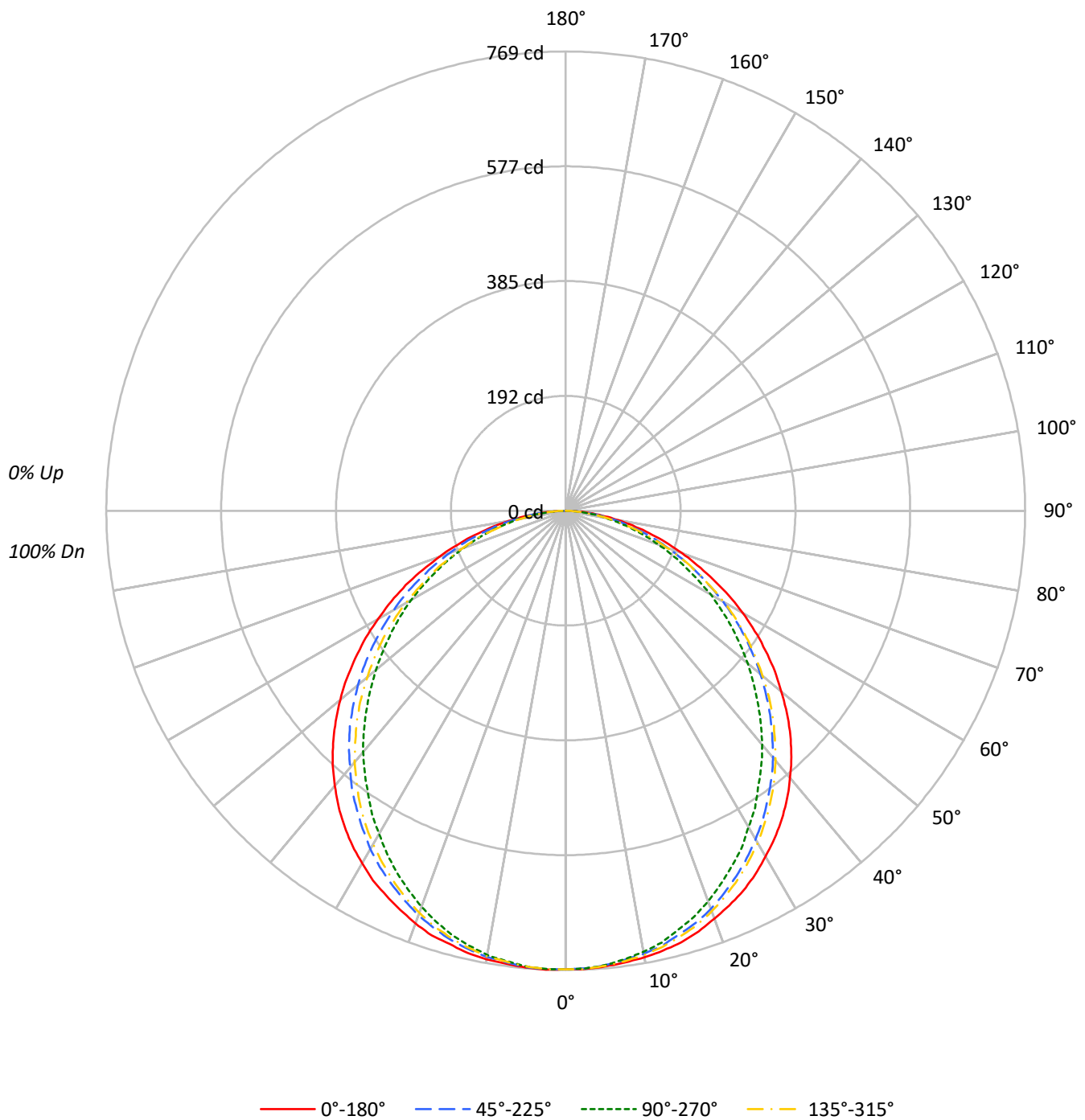
Input Watts (W): 16.3
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: 22ID-20-L850-SWR

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	2067	2067	2067	2067
5°	2069	2063	2075	2069
10°	2076	2050	2084	2064
15°	2084	2025	2092	2048
20°	2082	1994	2106	2021
25°	2086	1951	2111	1986
30°	2078	1901	2118	1940
35°	2073	1847	2121	1896
40°	2053	1798	2112	1853
45°	2023	1730	2096	1795
50°	1974	1665	2063	1736
55°	1916	1589	2015	1673
60°	1840	1505	1953	1607
65°	1733	1397	1881	1512
70°	1627	1295	1768	1428
75°	1502	1174	1645	1328
80°	1358	1031	1455	1193
85°	1108	846	1139	1010

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 2096 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	3.4
10°-20°	208.7	9.8
20°-30°	315.1	14.8
30°-40°	376.2	17.7
40°-50°	383.8	18.1
50°-60°	338.5	15.9
60°-70°	250.2	11.8
70°-80°	141.0	6.6
80°-90°	37.8	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°	596.5	28.1
0°-40°	972.7	45.8
0°-60°	1695.0	79.8
0°-90°	2124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2124.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	768	768	768	768	768	
5°	766	764	768	766	766	73
15°	748	727	751	735	748	211
25°	703	657	711	669	703	324
35°	631	562	646	577	631	394
45°	532	455	551	472	532	409
55°	408	339	429	357	408	365
65°	272	219	295	237	272	270
75°	144	113	158	128	144	153
85°	36	27	37	33	36	42
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°	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0
2.5°	768.0	768.0	768.0	768.0	767.0	765.9	765.9	767.0	767.0	765.9	767.0
5°	765.9	765.9	765.9	764.8	763.8	763.8	763.8	763.8	762.7	763.8	763.8
7.5°	762.7	762.7	762.7	761.7	760.6	760.6	760.6	759.6	758.5	759.6	758.5
10°	759.6	758.5	758.5	758.5	756.4	755.4	755.4	755.4	754.3	754.3	753.2
12.5°	754.3	753.2	753.2	752.2	751.1	750.1	749.0	748.0	746.9	745.9	745.9
15°	748.0	748.0	745.9	744.8	742.7	741.6	740.6	739.5	737.4	736.4	734.3
17.5°	738.5	738.5	736.4	735.3	733.2	731.1	731.1	729.0	726.9	724.8	723.7
20°	726.9	727.9	726.9	724.8	721.6	720.5	719.5	717.4	714.2	712.1	710.0
22.5°	715.3	716.3	714.2	711.0	708.9	707.9	705.8	702.6	699.4	696.3	693.1
25°	702.6	701.5	699.4	697.3	694.2	693.1	691.0	687.8	682.6	679.4	675.2
27.5°	686.8	686.8	683.6	681.5	676.2	676.2	673.1	668.8	664.6	659.3	656.2
30°	668.8	668.8	666.7	663.6	658.3	657.2	654.1	650.9	644.6	639.3	635.1
32.5°	650.9	649.9	647.7	644.6	639.3	637.2	634.0	629.8	624.5	617.2	614.0
35°	630.9	629.8	626.6	622.4	618.2	616.1	612.9	607.7	602.4	595.0	589.7
37.5°	608.7	607.7	604.5	600.3	595.0	592.9	589.7	584.4	577.1	571.8	565.5
40°	584.4	583.4	581.3	577.1	571.8	569.7	565.5	560.2	551.7	545.4	540.1
42.5°	559.1	558.1	554.9	549.6	545.4	543.3	539.1	533.8	526.4	519.0	511.7
45°	531.7	530.6	527.5	521.1	518.0	514.8	510.6	505.3	499.0	492.7	484.2
47.5°	502.2	501.1	499.0	493.7	487.4	486.3	482.1	476.8	469.5	461.0	454.7
50°	471.6	471.6	468.4	464.2	460.0	456.8	452.6	447.3	437.8	432.5	425.1
52.5°	441.0	439.9	437.8	432.5	429.4	426.2	420.9	417.8	408.3	404.0	395.6
55°	408.3	407.2	403.0	399.8	397.7	394.6	390.3	384.0	378.7	372.4	365.0
57.5°	375.6	374.5	371.3	369.2	365.0	361.9	357.6	353.4	346.0	341.8	334.4
60°	341.8	341.8	339.7	336.5	332.3	329.1	326.0	321.8	315.4	309.1	303.8
62.5°	308.0	308.0	304.9	301.7	299.6	296.4	294.3	289.1	283.8	279.6	271.1
65°	272.2	272.2	268.0	266.9	264.8	262.7	259.5	254.2	251.1	243.7	240.5
67.5°	238.4	239.5	236.3	236.3	233.1	231.0	227.9	223.7	220.5	214.2	211.0
70°	206.8	207.8	205.7	204.7	201.5	199.4	197.3	194.1	189.9	187.8	182.5
72.5°	175.1	176.2	174.1	174.1	170.9	169.8	167.7	165.6	161.4	159.3	154.0
75°	144.5	143.5	143.5	144.5	141.4	140.3	139.3	135.0	132.9	130.8	126.6
77.5°	115.0	115.0	116.0	115.0	112.9	111.8	109.7	106.6	105.5	104.4	100.2
80°	87.6	88.6	88.6	87.6	85.5	84.4	83.3	80.2	79.1	79.1	76.0
82.5°	61.2	61.2	60.1	61.2	59.1	58.0	59.1	55.9	54.9	54.9	52.7
85°	35.9	34.8	34.8	35.9	34.8	34.8	34.8	32.7	32.7	32.7	30.6
87.5°	13.7	13.7	14.8	14.8	13.7	13.7	13.7	13.7	12.7	12.7	11.6
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°	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0
2.5°	765.9	765.9	765.9	765.9	767.0	765.9	767.0	767.0	768.0	767.0	768.0
5°	763.8	763.8	762.7	762.7	762.7	762.7	762.7	762.7	762.7	763.8	763.8
7.5°	758.5	758.5	757.5	757.5	757.5	757.5	756.4	756.4	757.5	757.5	757.5
10°	752.2	751.1	750.1	750.1	750.1	750.1	749.0	750.1	750.1	750.1	750.1
12.5°	742.7	742.7	741.6	740.6	740.6	740.6	739.5	740.6	740.6	740.6	740.6
15°	733.2	732.1	731.1	729.0	729.0	727.9	726.9	727.9	726.9	726.9	727.9
17.5°	719.5	719.5	717.4	716.3	715.3	714.2	713.2	713.2	713.2	713.2	715.3
20°	705.8	704.7	702.6	698.4	699.4	698.4	696.3	697.3	697.3	696.3	696.3
22.5°	691.0	686.8	684.7	680.4	681.5	679.4	678.3	679.4	678.3	677.3	679.4
25°	671.0	668.8	663.6	663.6	661.5	660.4	660.4	659.3	658.3	657.2	659.3
27.5°	653.0	648.8	645.6	641.4	639.3	639.3	638.3	637.2	635.1	637.2	637.2
30°	630.9	626.6	621.4	619.3	617.2	617.2	615.0	614.0	611.9	611.9	615.0
32.5°	609.8	603.4	598.2	595.0	593.9	592.9	591.8	587.6	588.7	589.7	590.8
35°	584.4	579.2	575.0	571.8	568.6	567.6	566.5	563.3	563.3	562.3	565.5
37.5°	560.2	553.9	550.7	545.4	543.3	541.2	540.1	538.0	537.0	538.0	539.1
40°	533.8	528.5	523.3	518.0	515.9	514.8	511.7	511.7	509.5	511.7	511.7
42.5°	506.4	501.1	494.8	490.6	488.4	486.3	484.2	483.2	483.2	483.2	484.2
45°	479.0	472.6	466.3	462.1	460.0	458.9	455.7	454.7	452.6	454.7	455.7
47.5°	449.4	444.1	437.8	434.6	431.5	430.4	427.3	425.1	424.1	426.2	426.2
50°	419.9	414.6	409.3	405.1	401.9	400.9	397.7	397.7	395.6	397.7	397.7
52.5°	390.3	385.1	379.8	374.5	372.4	371.3	368.2	368.2	368.2	368.2	368.2
55°	360.8	353.4	350.2	345.0	342.9	341.8	340.8	337.6	338.6	338.6	338.6
57.5°	330.2	324.9	318.6	316.5	313.3	312.3	312.3	308.0	307.0	309.1	309.1
60°	299.6	295.4	289.1	285.9	283.8	283.8	280.6	276.4	275.3	279.6	279.6
62.5°	268.0	261.6	258.5	255.3	253.2	252.1	251.1	247.9	249.0	247.9	247.9
65°	238.4	232.1	230.0	226.8	224.7	223.7	222.6	220.5	218.4	219.4	219.4
67.5°	208.9	203.6	200.4	198.3	196.2	196.2	194.1	192.0	193.1	192.0	192.0
70°	180.4	176.2	172.0	170.9	168.8	168.8	167.7	166.7	165.6	164.6	164.6
72.5°	153.0	148.7	145.6	143.5	142.4	142.4	141.4	138.2	139.3	138.2	138.2
75°	124.5	121.3	120.3	118.2	117.1	117.1	116.0	113.9	115.0	112.9	110.8
77.5°	99.2	96.0	94.9	93.9	94.9	93.9	90.7	91.8	90.7	88.6	88.6
80°	76.0	72.8	72.8	70.7	69.6	69.6	68.6	68.6	67.5	66.5	66.5
82.5°	51.7	50.6	49.6	48.5	47.5	49.6	47.5	46.4	46.4	46.4	45.4
85°	29.5	29.5	28.5	28.5	27.4	28.5	27.4	26.4	27.4	27.4	25.3
87.5°	11.6	12.7	10.5	10.5	10.5	10.5	9.5	10.5	10.5	10.5	9.5
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°	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0
2.5°	768.0	767.0	767.0	767.0	767.0	765.9	767.0	767.0	768.0	767.0	767.0
5°	763.8	762.7	763.8	762.7	762.7	763.8	763.8	764.8	764.8	765.9	765.9
7.5°	757.5	757.5	757.5	757.5	757.5	758.5	758.5	759.6	760.6	760.6	761.7
10°	750.1	750.1	751.1	750.1	751.1	752.2	753.2	754.3	755.4	756.4	756.4
12.5°	740.6	740.6	740.6	742.7	742.7	743.7	744.8	746.9	748.0	750.1	750.1
15°	727.9	727.9	730.0	730.0	731.1	733.2	735.3	736.4	738.5	740.6	741.6
17.5°	714.2	714.2	716.3	716.3	717.4	720.5	722.6	723.7	727.9	730.0	732.1
20°	698.4	698.4	701.5	700.5	702.6	705.8	707.9	711.0	714.2	717.4	719.5
22.5°	679.4	680.4	683.6	683.6	684.7	688.9	692.1	695.2	698.4	702.6	705.8
25°	659.3	660.4	663.6	664.6	665.7	669.9	674.1	676.2	681.5	686.8	688.9
27.5°	637.2	639.3	641.4	642.5	644.6	649.9	654.1	658.3	662.5	667.8	672.0
30°	615.0	617.2	619.3	620.3	622.4	627.7	631.9	637.2	642.5	647.7	652.0
32.5°	589.7	592.9	595.0	597.1	598.2	604.5	609.8	615.0	620.3	626.6	631.9
35°	565.5	568.6	570.7	571.8	573.9	580.2	584.4	589.7	597.1	603.4	608.7
37.5°	539.1	541.2	545.4	545.4	547.5	554.9	560.2	565.5	572.8	579.2	585.5
40°	512.7	513.8	518.0	519.0	521.1	528.5	533.8	541.2	546.5	553.9	560.2
42.5°	484.2	487.4	491.6	493.7	495.8	500.1	504.3	512.7	518.0	526.4	532.8
45°	455.7	458.9	461.0	462.1	467.3	471.6	475.8	484.2	490.6	497.9	505.3
47.5°	427.3	429.4	432.5	436.8	438.9	443.1	446.2	454.7	461.0	469.5	475.8
50°	397.7	400.9	403.0	404.0	408.3	413.5	417.8	425.1	430.4	438.9	446.2
52.5°	368.2	372.4	372.4	376.6	378.7	380.8	387.2	394.6	399.8	407.2	414.6
55°	339.7	341.8	345.0	346.0	349.2	351.3	355.5	362.9	369.2	376.6	384.0
57.5°	308.0	310.2	312.3	316.5	318.6	322.8	327.0	332.3	337.6	345.0	350.2
60°	277.5	280.6	282.7	285.9	285.9	291.2	296.4	301.7	305.9	313.3	318.6
62.5°	250.0	250.0	250.0	254.2	253.2	257.4	261.6	268.0	272.2	281.7	288.0
65°	220.5	221.5	221.5	224.7	223.7	227.9	231.0	237.4	241.6	246.9	253.2
67.5°	192.0	192.0	193.1	196.2	195.2	198.3	203.6	206.8	209.9	216.3	221.5
70°	162.5	163.5	164.6	167.7	166.7	170.9	174.1	176.2	180.4	184.6	188.8
72.5°	137.1	137.1	140.3	140.3	139.3	142.4	145.6	147.7	149.8	155.1	160.4
75°	112.9	111.8	113.9	113.9	112.9	113.9	116.0	119.2	121.3	125.5	129.8
77.5°	88.6	87.6	89.7	89.7	89.7	88.6	91.8	92.8	93.9	96.0	100.2
80°	65.4	64.4	66.5	66.5	64.4	65.4	67.5	68.6	68.6	70.7	73.8
82.5°	45.4	44.3	45.4	45.4	45.4	45.4	46.4	45.4	46.4	46.4	49.6
85°	27.4	26.4	27.4	26.4	26.4	25.3	27.4	26.4	26.4	27.4	27.4
87.5°	9.5	9.5	10.5	10.5	9.5	10.5	9.5	9.5	9.5	10.5	9.5
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°	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0
2.5°	768.0	768.0	768.0	768.0	768.0	768.0	769.1	769.1	768.0	769.1	768.0
5°	765.9	765.9	767.0	767.0	767.0	767.0	767.0	768.0	768.0	768.0	767.0
7.5°	762.7	762.7	762.7	762.7	763.8	764.8	764.8	764.8	765.9	764.8	764.8
10°	757.5	759.6	759.6	760.6	760.6	761.7	762.7	762.7	762.7	762.7	762.7
12.5°	752.2	753.2	754.3	755.4	756.4	756.4	758.5	758.5	758.5	758.5	757.5
15°	743.7	745.9	746.9	748.0	750.1	750.1	752.2	751.1	753.2	752.2	751.1
17.5°	734.3	736.4	738.5	738.5	741.6	742.7	744.8	745.9	745.9	744.8	742.7
20°	722.6	725.8	726.9	729.0	731.1	733.2	734.3	735.3	736.4	735.3	734.3
22.5°	708.9	713.2	714.2	716.3	719.5	721.6	722.6	723.7	724.8	724.8	722.6
25°	694.2	699.4	699.4	702.6	705.8	708.9	711.0	711.0	713.2	711.0	711.0
27.5°	676.2	682.6	685.7	686.8	691.0	694.2	696.3	698.4	698.4	696.3	696.3
30°	658.3	664.6	667.8	668.8	674.1	677.3	679.4	681.5	681.5	681.5	679.4
32.5°	638.3	645.6	648.8	649.9	656.2	659.3	662.5	664.6	664.6	663.6	660.4
35°	617.2	622.4	627.7	629.8	635.1	638.3	643.5	645.6	644.6	644.6	641.4
37.5°	592.9	601.3	604.5	606.6	612.9	617.2	622.4	624.5	624.5	623.5	621.4
40°	567.6	577.1	580.2	583.4	589.7	595.0	598.2	601.3	601.3	601.3	599.2
42.5°	542.2	549.6	553.9	557.0	564.4	567.6	572.8	577.1	577.1	576.0	572.8
45°	513.8	522.2	526.4	529.6	537.0	543.3	546.5	550.7	549.6	549.6	545.4
47.5°	485.3	493.7	497.9	501.1	508.5	515.9	518.0	522.2	522.2	522.2	518.0
50°	455.7	464.2	467.3	470.5	479.0	483.2	488.4	492.7	492.7	493.7	489.5
52.5°	425.1	431.5	436.8	438.9	447.3	452.6	456.8	462.1	462.1	460.0	460.0
55°	392.4	399.8	405.1	407.2	413.5	422.0	425.1	429.4	429.4	429.4	427.3
57.5°	359.7	368.2	372.4	374.5	381.9	388.2	392.4	396.7	397.7	397.7	393.5
60°	326.0	334.4	338.6	340.8	349.2	354.5	358.7	362.9	364.0	365.0	360.8
62.5°	294.3	301.7	305.9	308.0	314.4	318.6	323.9	329.1	330.2	330.2	328.1
65°	259.5	266.9	270.1	272.2	277.5	284.8	291.2	295.4	296.4	295.4	295.4
67.5°	226.8	233.1	237.4	238.4	243.7	251.1	254.2	258.5	259.5	259.5	258.5
70°	194.1	201.5	204.7	206.8	211.0	217.3	220.5	224.7	225.8	226.8	224.7
72.5°	163.5	168.8	172.0	174.1	179.3	184.6	186.7	190.9	193.1	193.1	190.9
75°	132.9	138.2	140.3	142.4	146.6	151.9	154.0	158.2	160.4	159.3	159.3
77.5°	103.4	107.6	109.7	110.8	113.9	120.3	121.3	125.5	125.5	126.6	126.6
80°	76.0	79.1	81.2	82.3	84.4	88.6	90.7	93.9	96.0	94.9	94.9
82.5°	50.6	52.7	54.9	57.0	57.0	61.2	61.2	64.4	64.4	66.5	65.4
85°	28.5	29.5	30.6	31.6	31.6	34.8	34.8	36.9	39.0	36.9	36.9
87.5°	9.5	10.5	10.5	11.6	10.5	12.7	11.6	13.7	14.8	14.8	13.7
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-L850-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0
2.5°	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0
5°	767.0	767.0	765.9	767.0	767.0	767.0	767.0	765.9	765.9	765.9	765.9
7.5°	764.8	763.8	763.8	763.8	762.7	762.7	762.7	762.7	761.7	761.7	761.7
10°	761.7	760.6	760.6	760.6	759.6	759.6	758.5	757.5	757.5	756.4	755.4
12.5°	757.5	756.4	755.4	755.4	754.3	753.2	752.2	751.1	750.1	748.0	748.0
15°	750.1	750.1	749.0	748.0	745.9	745.9	743.7	742.7	740.6	738.5	738.5
17.5°	742.7	741.6	740.6	738.5	736.4	735.3	733.2	731.1	729.0	726.9	725.8
20°	733.2	730.0	731.1	727.9	725.8	723.7	720.5	718.4	715.3	713.2	711.0
22.5°	720.5	719.5	718.4	715.3	712.1	711.0	705.8	702.6	699.4	696.3	694.2
25°	706.8	705.8	704.7	701.5	697.3	695.2	689.9	686.8	681.5	679.4	677.3
27.5°	691.0	691.0	688.9	684.7	681.5	676.2	673.1	666.7	662.5	659.3	657.2
30°	674.1	674.1	672.0	666.7	662.5	657.2	654.1	647.7	642.5	639.3	635.1
32.5°	657.2	656.2	654.1	648.8	643.5	638.3	631.9	626.6	620.3	617.2	612.9
35°	637.2	636.1	634.0	627.7	623.5	617.2	609.8	603.4	597.1	593.9	587.6
37.5°	616.1	614.0	611.9	604.5	599.2	592.9	587.6	579.2	572.8	568.6	565.5
40°	592.9	591.8	588.7	582.3	575.0	568.6	561.2	554.9	548.6	543.3	539.1
42.5°	569.7	565.5	563.3	557.0	551.7	542.2	537.0	528.5	522.2	518.0	511.7
45°	543.3	540.1	537.0	530.6	523.3	515.9	510.6	501.1	494.8	489.5	484.2
47.5°	513.8	512.7	509.5	502.2	495.8	488.4	482.1	472.6	466.3	462.1	456.8
50°	484.2	483.2	481.1	473.7	465.2	458.9	453.6	444.1	437.8	431.5	428.3
52.5°	456.8	452.6	450.5	444.1	435.7	428.3	424.1	414.6	408.3	401.9	397.7
55°	425.1	422.0	419.9	414.6	407.2	397.7	393.5	385.1	379.8	375.6	369.2
57.5°	393.5	389.3	387.2	380.8	375.6	368.2	362.9	354.5	349.2	345.0	340.8
60°	357.6	357.6	355.5	349.2	343.9	336.5	332.3	323.9	318.6	315.4	310.2
62.5°	328.1	323.9	322.8	315.4	312.3	304.9	301.7	294.3	291.2	285.9	280.6
65°	291.2	291.2	290.1	285.9	281.7	272.2	268.0	261.6	258.5	254.2	250.0
67.5°	258.5	255.3	255.3	251.1	245.8	240.5	237.4	231.0	228.9	223.7	220.5
70°	225.8	222.6	222.6	217.3	214.2	208.9	206.8	201.5	197.3	195.2	192.0
72.5°	193.1	190.9	189.9	185.7	183.6	178.3	177.2	172.0	167.7	166.7	163.5
75°	160.4	158.2	155.1	156.1	151.9	147.7	146.6	143.5	141.4	138.2	135.0
77.5°	127.7	125.5	125.5	123.4	121.3	118.2	117.1	115.0	111.8	109.7	107.6
80°	97.1	94.9	94.9	93.9	90.7	88.6	88.6	85.5	85.5	83.3	82.3
82.5°	66.5	65.4	64.4	65.4	63.3	61.2	62.2	61.2	60.1	58.0	57.0
85°	39.0	38.0	36.9	39.0	36.9	38.0	36.9	35.9	35.9	34.8	33.8
87.5°	14.8	14.8	13.7	14.8	14.8	15.8	14.8	14.8	14.8	14.8	14.8
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-L850-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0
2.5°	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0
5°	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9	764.8	765.9
7.5°	761.7	760.6	761.7	760.6	760.6	760.6	760.6	760.6	760.6	760.6	760.6
10°	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	754.3	754.3
12.5°	748.0	748.0	746.9	746.9	746.9	745.9	745.9	746.9	746.9	745.9	746.9
15°	737.4	738.5	736.4	735.3	735.3	735.3	735.3	735.3	735.3	735.3	736.4
17.5°	725.8	724.8	723.7	723.7	722.6	721.6	721.6	722.6	722.6	723.7	723.7
20°	711.0	711.0	708.9	707.9	706.8	705.8	705.8	706.8	706.8	706.8	708.9
22.5°	694.2	693.1	691.0	689.9	689.9	687.8	688.9	689.9	689.9	689.9	691.0
25°	675.2	674.1	673.1	672.0	669.9	668.8	668.8	671.0	671.0	673.1	674.1
27.5°	655.1	654.1	652.0	649.9	648.8	647.7	647.7	649.9	649.9	652.0	653.0
30°	634.0	633.0	629.8	628.8	625.6	624.5	625.6	627.7	628.8	629.8	630.9
32.5°	611.9	609.8	606.6	605.5	602.4	603.4	601.3	604.5	605.5	606.6	607.7
35°	587.6	585.5	582.3	579.2	578.1	577.1	577.1	579.2	579.2	582.3	583.4
37.5°	561.2	560.2	557.0	554.9	552.8	552.8	550.7	553.9	554.9	557.0	557.0
40°	537.0	535.9	530.6	528.5	526.4	527.5	524.3	527.5	528.5	530.6	531.7
42.5°	508.5	507.4	503.2	501.1	499.0	500.1	496.9	500.1	499.0	502.2	503.2
45°	481.1	480.0	476.8	472.6	470.5	471.6	471.6	471.6	470.5	473.7	474.7
47.5°	453.6	451.5	448.4	444.1	442.0	443.1	443.1	443.1	442.0	446.2	446.2
50°	425.1	423.0	419.9	415.7	414.6	414.6	414.6	414.6	414.6	416.7	417.8
52.5°	395.6	394.6	391.4	387.2	385.1	385.1	385.1	383.0	385.1	386.1	387.2
55°	366.1	365.0	359.7	357.6	355.5	356.6	355.5	354.5	354.5	356.6	357.6
57.5°	336.5	335.5	332.3	331.3	326.0	327.0	326.0	326.0	327.0	327.0	328.1
60°	307.0	305.9	302.8	301.7	297.5	298.6	294.3	296.4	297.5	297.5	297.5
62.5°	275.3	275.3	270.1	268.0	265.8	266.9	263.7	263.7	263.7	265.8	265.8
65°	246.9	245.8	241.6	239.5	237.4	237.4	235.3	235.3	234.2	236.3	236.3
67.5°	217.3	217.3	213.1	211.0	208.9	209.9	206.8	206.8	207.8	207.8	207.8
70°	188.8	188.8	185.7	184.6	181.5	181.5	178.3	179.3	179.3	179.3	179.3
72.5°	161.4	161.4	158.2	157.2	154.0	154.0	150.9	151.9	151.9	150.9	150.9
75°	134.0	135.0	129.8	128.7	126.6	127.7	125.5	124.5	125.5	123.4	123.4
77.5°	106.6	106.6	105.5	104.4	101.3	101.3	100.2	98.1	99.2	97.1	97.1
80°	80.2	81.2	78.1	79.1	76.0	77.0	76.0	73.8	73.8	72.8	71.7
82.5°	55.9	55.9	54.9	55.9	54.9	53.8	52.7	51.7	51.7	49.6	49.6
85°	33.8	34.8	32.7	33.8	33.8	32.7	30.6	30.6	30.6	29.5	29.5
87.5°	13.7	15.8	14.8	14.8	14.8	14.8	13.7	14.8	13.7	12.7	12.7
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: P571893

CATALOG NUMBER: 22ID-20-L850-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0
2.5°	767.0	768.0	768.0	768.0	768.0	767.0	767.0	767.0	767.0	767.0	768.0
5°	764.8	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9
7.5°	760.6	760.6	761.7	761.7	761.7	761.7	762.7	761.7	762.7	761.7	762.7
10°	754.3	755.4	756.4	756.4	757.5	756.4	757.5	757.5	758.5	758.5	758.5
12.5°	746.9	748.0	748.0	750.1	750.1	750.1	751.1	751.1	752.2	753.2	753.2
15°	736.4	737.4	738.5	738.5	740.6	742.7	742.7	743.7	744.8	745.9	745.9
17.5°	723.7	724.8	725.8	727.9	730.0	732.1	733.2	733.2	735.3	736.4	736.4
20°	708.9	711.0	713.2	715.3	716.3	719.5	720.5	721.6	723.7	725.8	725.8
22.5°	693.1	694.2	697.3	699.4	701.5	704.7	705.8	708.9	711.0	712.1	713.2
25°	674.1	676.2	679.4	681.5	683.6	687.8	691.0	693.1	696.3	698.4	698.4
27.5°	653.0	656.2	659.3	661.5	664.6	669.9	673.1	675.2	679.4	681.5	682.6
30°	631.9	634.0	638.3	641.4	644.6	649.9	654.1	657.2	661.5	663.6	664.6
32.5°	608.7	611.9	616.1	619.3	623.5	628.8	633.0	636.1	642.5	643.5	644.6
35°	584.4	587.6	590.8	596.1	600.3	605.5	610.8	615.0	618.2	622.4	623.5
37.5°	559.1	562.3	566.5	570.7	575.0	581.3	586.6	589.7	595.0	598.2	600.3
40°	532.8	535.9	541.2	546.5	549.6	556.0	561.2	565.5	572.8	575.0	575.0
42.5°	504.3	508.5	511.7	518.0	521.1	528.5	533.8	540.1	544.4	547.5	548.6
45°	476.8	480.0	486.3	490.6	493.7	501.1	506.4	511.7	516.9	519.0	521.1
47.5°	447.3	451.5	456.8	458.9	464.2	471.6	476.8	482.1	488.4	490.6	491.6
50°	418.8	422.0	425.1	429.4	433.6	441.0	447.3	452.6	457.9	460.0	461.0
52.5°	389.3	392.4	395.6	400.9	403.0	410.4	413.5	418.8	426.2	428.3	429.4
55°	358.7	362.9	367.1	370.3	372.4	378.7	383.0	389.3	393.5	395.6	397.7
57.5°	328.1	331.3	335.5	339.7	340.8	347.1	352.4	355.5	360.8	362.9	365.0
60°	298.6	301.7	304.9	305.9	309.1	315.4	320.7	322.8	328.1	330.2	331.3
62.5°	266.9	268.0	272.2	275.3	275.3	283.8	286.9	291.2	295.4	296.4	298.6
65°	237.4	239.5	239.5	241.6	244.8	250.0	252.1	257.4	260.6	261.6	262.7
67.5°	207.8	209.9	212.0	214.2	214.2	219.4	220.5	224.7	227.9	228.9	230.0
70°	179.3	179.3	182.5	184.6	183.6	187.8	189.9	192.0	196.2	197.3	198.3
72.5°	151.9	150.9	153.0	155.1	157.2	158.2	160.4	161.4	164.6	166.7	167.7
75°	124.5	125.5	125.5	126.6	125.5	126.6	129.8	132.9	135.0	136.1	138.2
77.5°	97.1	98.1	98.1	99.2	100.2	100.2	101.3	105.5	107.6	108.7	107.6
80°	71.7	72.8	72.8	73.8	74.9	76.0	76.0	78.1	81.2	82.3	82.3
82.5°	50.6	50.6	50.6	50.6	51.7	51.7	52.7	54.9	57.0	57.0	59.1
85°	30.6	30.6	29.5	30.6	29.5	30.6	31.6	33.8	34.8	34.8	35.9
87.5°	13.7	12.7	13.7	13.7	12.7	12.7	12.7	13.7	13.7	14.8	14.8
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: P571893

CATALOG NUMBER: 22ID-20-L850-SWR

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	768.0	768.0	768.0	768.0
2.5°	768.0	768.0	768.0	768.0
5°	765.9	765.9	765.9	765.9
7.5°	762.7	762.7	762.7	762.7
10°	758.5	759.6	759.6	759.6
12.5°	753.2	753.2	754.3	754.3
15°	746.9	746.9	746.9	748.0
17.5°	737.4	738.5	738.5	738.5
20°	726.9	727.9	727.9	726.9
22.5°	713.2	714.2	715.3	715.3
25°	699.4	701.5	702.6	702.6
27.5°	683.6	685.7	686.8	686.8
30°	666.7	668.8	668.8	668.8
32.5°	646.7	649.9	650.9	650.9
35°	625.6	629.8	630.9	630.9
37.5°	603.4	605.5	608.7	608.7
40°	579.2	581.3	584.4	584.4
42.5°	552.8	557.0	557.0	559.1
45°	524.3	528.5	529.6	531.7
47.5°	495.8	500.1	501.1	502.2
50°	465.2	468.4	471.6	471.6
52.5°	434.6	436.8	438.9	441.0
55°	401.9	405.1	406.2	408.3
57.5°	368.2	372.4	373.5	375.6
60°	335.5	338.6	340.8	341.8
62.5°	302.8	304.9	305.9	308.0
65°	266.9	270.1	270.1	272.2
67.5°	234.2	236.3	237.4	238.4
70°	199.4	203.6	204.7	206.8
72.5°	168.8	173.0	173.0	175.1
75°	141.4	142.4	142.4	144.5
77.5°	111.8	112.9	113.9	115.0
80°	84.4	85.5	85.5	87.6
82.5°	60.1	60.1	60.1	61.2
85°	36.9	35.9	34.8	35.9
87.5°	14.8	14.8	15.8	13.7
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P571893

CATALOG NUMBER: 22ID-20-L850-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	14.43	16.06	14.80	16.38	16.69	13.32	14.95	13.68	15.26	15.58
	3H	16.19	17.66	16.56	17.98	18.34	14.94	16.41	15.31	16.73	17.09
	4H	16.85	18.23	17.24	18.58	18.95	15.53	16.91	15.93	17.26	17.64
	6H	17.34	18.62	17.75	18.98	19.38	15.96	17.25	16.37	17.61	18.00
	8H	17.50	18.72	17.92	19.11	19.51	16.10	17.32	16.52	17.71	18.11
	12H	17.59	18.77	18.02	19.15	19.58	16.18	17.35	16.61	17.73	18.16
4H	2H	14.92	16.30	15.32	16.65	17.03	14.02	15.40	14.42	15.75	16.13
	3H	16.90	18.06	17.31	18.45	18.85	15.84	17.00	16.25	17.40	17.80
	4H	17.69	18.74	18.12	19.15	19.59	16.55	17.60	16.98	18.01	18.45
	6H	18.32	19.24	18.78	19.68	20.14	17.09	18.01	17.55	18.45	18.91
	8H	18.54	19.39	19.00	19.84	20.30	17.27	18.12	17.73	18.57	19.03
	12H	18.68	19.45	19.16	19.93	20.40	17.38	18.15	17.86	18.63	19.10
8H	4H	17.93	18.78	18.39	19.23	19.69	16.90	17.76	17.36	18.20	18.66
	6H	18.67	19.38	19.16	19.87	20.35	17.55	18.26	18.04	18.75	19.23
	8H	18.96	19.60	19.46	20.10	20.59	17.79	18.42	18.29	18.93	19.42
	12H	19.18	19.74	19.68	20.23	20.79	17.96	18.53	18.47	19.02	19.58
12H	4H	17.94	18.72	18.42	19.19	19.66	16.94	17.71	17.42	18.19	18.66
	6H	18.70	19.34	19.21	19.85	20.34	17.61	18.26	18.12	18.76	19.25
	8H	19.04	19.61	19.55	20.10	20.66	17.90	18.47	18.41	18.96	19.52

END OF REPORT