

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: P571881

Luminaire Tested: 22ID-20-L830-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571881
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-L830-SWR
Description: 2000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED SWEEP LENS AND 3000K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1968.0 lumens
Efficiency: N/A
Efficacy: 120.7 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

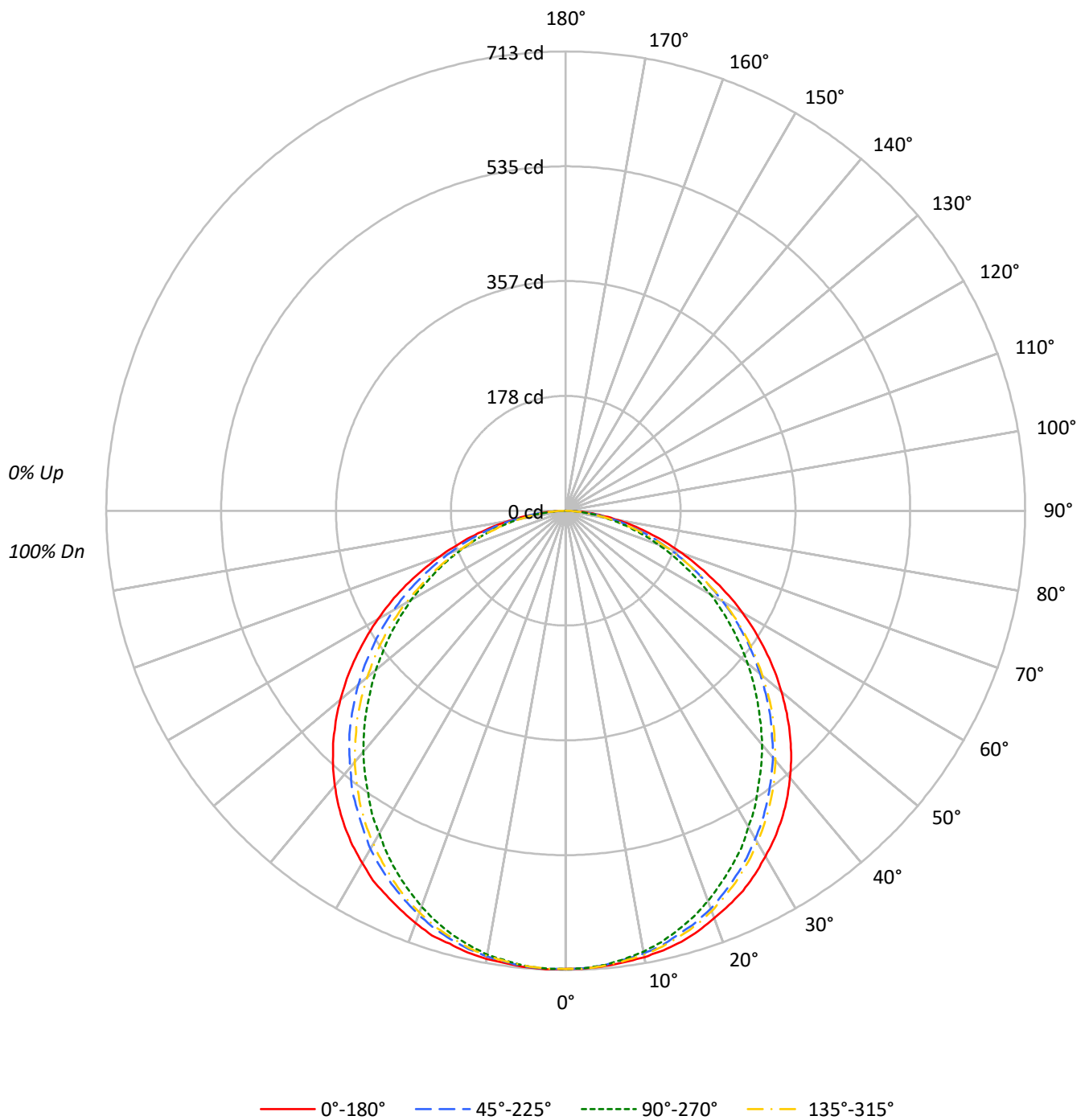
Input Watts (W): 16.3
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1915	1915	1915	1915
5°	1917	1912	1922	1917
10°	1923	1899	1931	1912
15°	1931	1876	1939	1898
20°	1929	1847	1951	1873
25°	1933	1808	1956	1840
30°	1926	1762	1962	1798
35°	1920	1712	1965	1757
40°	1902	1665	1957	1717
45°	1875	1603	1942	1663
50°	1829	1543	1911	1608
55°	1775	1472	1866	1550
60°	1704	1394	1810	1489
65°	1606	1294	1743	1400
70°	1507	1200	1638	1323
75°	1392	1088	1524	1230
80°	1257	955	1348	1106
85°	1025	784	1056	936

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 1942 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	3.4
10°-20°	193.4	9.8
20°-30°	291.9	14.8
30°-40°	348.5	17.7
40°-50°	355.6	18.1
50°-60°	313.6	15.9
60°-70°	231.8	11.8
70°-80°	130.7	6.6
80°-90°	35.0	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°	552.7	28.1
0°-40°	901.3	45.8
0°-60°	1570.5	79.8
0°-90°	1968.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1968.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	712	712	712	712	712	
5°	710	708	712	710	710	68
15°	693	674	696	681	693	195
25°	651	609	659	620	651	300
35°	584	521	598	535	584	365
45°	493	421	510	437	493	379
55°	378	314	398	330	378	338
65°	252	203	274	220	252	250
75°	134	105	147	118	134	142
85°	33	25	34	30	33	39
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°	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6
2.5°	711.6	711.6	711.6	711.6	710.6	709.6	709.6	710.6	710.6	709.6	710.6
5°	709.6	709.6	709.6	708.7	707.7	707.7	707.7	707.7	706.7	707.7	707.7
7.5°	706.7	706.7	706.7	705.7	704.8	704.8	704.8	703.8	702.8	703.8	702.8
10°	703.8	702.8	702.8	702.8	700.9	699.9	699.9	699.9	698.9	698.9	697.9
12.5°	698.9	697.9	697.9	696.9	696.0	695.0	694.0	693.0	692.1	691.1	691.1
15°	693.0	693.0	691.1	690.1	688.1	687.2	686.2	685.2	683.3	682.3	680.3
17.5°	684.2	684.2	682.3	681.3	679.3	677.4	677.4	675.4	673.5	671.5	670.5
20°	673.5	674.5	673.5	671.5	668.6	667.6	666.6	664.7	661.8	659.8	657.8
22.5°	662.7	663.7	661.8	658.8	656.9	655.9	653.9	651.0	648.1	645.1	642.2
25°	651.0	650.0	648.1	646.1	643.2	642.2	640.2	637.3	632.4	629.5	625.6
27.5°	636.3	636.3	633.4	631.4	626.6	626.6	623.6	619.7	615.8	610.9	608.0
30°	619.7	619.7	617.8	614.8	609.9	609.0	606.0	603.1	597.2	592.4	588.4
32.5°	603.1	602.1	600.2	597.2	592.4	590.4	587.5	583.6	578.7	571.8	568.9
35°	584.5	583.6	580.6	576.7	572.8	570.8	567.9	563.0	558.1	551.3	546.4
37.5°	564.0	563.0	560.1	556.2	551.3	549.3	546.4	541.5	534.7	529.8	523.9
40°	541.5	540.5	538.6	534.7	529.8	527.8	523.9	519.0	511.2	505.4	500.5
42.5°	518.1	517.1	514.2	509.3	505.4	503.4	499.5	494.6	487.8	480.9	474.1
45°	492.6	491.7	488.7	482.9	479.9	477.0	473.1	468.2	462.3	456.5	448.7
47.5°	465.3	464.3	462.3	457.5	451.6	450.6	446.7	441.8	435.0	427.2	421.3
50°	436.9	436.9	434.0	430.1	426.2	423.2	419.3	414.5	405.7	400.8	393.9
52.5°	408.6	407.6	405.7	400.8	397.8	394.9	390.0	387.1	378.3	374.4	366.6
55°	378.3	377.3	373.4	370.5	368.5	365.6	361.7	355.8	350.9	345.0	338.2
57.5°	348.0	347.0	344.1	342.1	338.2	335.3	331.4	327.5	320.6	316.7	309.9
60°	316.7	316.7	314.7	311.8	307.9	305.0	302.0	298.1	292.3	286.4	281.5
62.5°	285.4	285.4	282.5	279.6	277.6	274.7	272.7	267.8	262.9	259.0	251.2
65°	252.2	252.2	248.3	247.3	245.3	243.4	240.5	235.6	232.6	225.8	222.9
67.5°	220.9	221.9	219.0	219.0	216.0	214.1	211.1	207.2	204.3	198.4	195.5
70°	191.6	192.6	190.6	189.6	186.7	184.7	182.8	179.9	175.9	174.0	169.1
72.5°	162.3	163.2	161.3	161.3	158.4	157.4	155.4	153.5	149.6	147.6	142.7
75°	133.9	132.9	132.9	133.9	131.0	130.0	129.0	125.1	123.2	121.2	117.3
77.5°	106.5	106.5	107.5	106.5	104.6	103.6	101.7	98.7	97.7	96.8	92.9
80°	81.1	82.1	82.1	81.1	79.2	78.2	77.2	74.3	73.3	73.3	70.4
82.5°	56.7	56.7	55.7	56.7	54.7	53.8	54.7	51.8	50.8	50.8	48.9
85°	33.2	32.3	32.3	33.2	32.3	32.3	32.3	30.3	30.3	30.3	28.3
87.5°	12.7	12.7	13.7	13.7	12.7	12.7	12.7	12.7	11.7	11.7	10.8
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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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6
2.5°	709.6	709.6	709.6	709.6	710.6	709.6	710.6	710.6	711.6	710.6	711.6
5°	707.7	707.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7	707.7	707.7
7.5°	702.8	702.8	701.8	701.8	701.8	701.8	700.9	700.9	701.8	701.8	701.8
10°	696.9	696.0	695.0	695.0	695.0	695.0	694.0	695.0	695.0	695.0	695.0
12.5°	688.1	688.1	687.2	686.2	686.2	686.2	685.2	686.2	686.2	686.2	686.2
15°	679.3	678.4	677.4	675.4	675.4	674.5	673.5	674.5	673.5	673.5	674.5
17.5°	666.6	666.6	664.7	663.7	662.7	661.8	660.8	660.8	660.8	660.8	662.7
20°	653.9	653.0	651.0	647.1	648.1	647.1	645.1	646.1	646.1	645.1	645.1
22.5°	640.2	636.3	634.4	630.5	631.4	629.5	628.5	629.5	628.5	627.5	629.5
25°	621.7	619.7	614.8	614.8	612.9	611.9	611.9	610.9	609.9	609.0	610.9
27.5°	605.1	601.1	598.2	594.3	592.4	592.4	591.4	590.4	588.4	590.4	590.4
30°	584.5	580.6	575.7	573.8	571.8	571.8	569.9	568.9	566.9	566.9	569.9
32.5°	565.0	559.1	554.2	551.3	550.3	549.3	548.4	544.5	545.4	546.4	547.4
35°	541.5	536.6	532.7	529.8	526.9	525.9	524.9	522.0	522.0	521.0	523.9
37.5°	519.0	513.2	510.2	505.4	503.4	501.4	500.5	498.5	497.5	498.5	499.5
40°	494.6	489.7	484.8	479.9	478.0	477.0	474.1	474.1	472.1	474.1	474.1
42.5°	469.2	464.3	458.4	454.5	452.6	450.6	448.7	447.7	447.7	447.7	448.7
45°	443.8	437.9	432.0	428.1	426.2	425.2	422.3	421.3	419.3	421.3	422.3
47.5°	416.4	411.5	405.7	402.7	399.8	398.8	395.9	393.9	392.9	394.9	394.9
50°	389.0	384.1	379.3	375.4	372.4	371.4	368.5	368.5	366.6	368.5	368.5
52.5°	361.7	356.8	351.9	347.0	345.0	344.1	341.1	341.1	341.1	341.1	341.1
55°	334.3	327.5	324.5	319.6	317.7	316.7	315.7	312.8	313.8	313.8	313.8
57.5°	306.0	301.1	295.2	293.2	290.3	289.3	289.3	285.4	284.4	286.4	286.4
60°	277.6	273.7	267.8	264.9	262.9	262.9	260.0	256.1	255.1	259.0	259.0
62.5°	248.3	242.4	239.5	236.5	234.6	233.6	232.6	229.7	230.7	229.7	229.7
65°	220.9	215.0	213.1	210.2	208.2	207.2	206.2	204.3	202.3	203.3	203.3
67.5°	193.5	188.7	185.7	183.8	181.8	181.8	179.9	177.9	178.9	177.9	177.9
70°	167.1	163.2	159.3	158.4	156.4	156.4	155.4	154.4	153.5	152.5	152.5
72.5°	141.7	137.8	134.9	132.9	132.0	132.0	131.0	128.0	129.0	128.0	128.0
75°	115.3	112.4	111.4	109.5	108.5	108.5	107.5	105.6	106.5	104.6	102.6
77.5°	91.9	89.0	88.0	87.0	88.0	87.0	84.1	85.0	84.1	82.1	82.1
80°	70.4	67.4	67.4	65.5	64.5	64.5	63.5	63.5	62.6	61.6	61.6
82.5°	47.9	46.9	45.9	45.0	44.0	45.9	44.0	43.0	43.0	43.0	42.0
85°	27.4	27.4	26.4	26.4	25.4	26.4	25.4	24.4	25.4	25.4	23.5
87.5°	10.8	11.7	9.8	9.8	9.8	9.8	8.8	9.8	9.8	9.8	8.8
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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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6
2.5°	711.6	710.6	710.6	710.6	710.6	709.6	710.6	710.6	711.6	710.6	710.6
5°	707.7	706.7	707.7	706.7	706.7	707.7	707.7	708.7	708.7	709.6	709.6
7.5°	701.8	701.8	701.8	701.8	701.8	702.8	702.8	703.8	704.8	704.8	705.7
10°	695.0	695.0	696.0	695.0	696.0	696.9	697.9	698.9	699.9	700.9	700.9
12.5°	686.2	686.2	686.2	688.1	688.1	689.1	690.1	692.1	693.0	695.0	695.0
15°	674.5	674.5	676.4	676.4	677.4	679.3	681.3	682.3	684.2	686.2	687.2
17.5°	661.8	661.8	663.7	663.7	664.7	667.6	669.6	670.5	674.5	676.4	678.4
20°	647.1	647.1	650.0	649.0	651.0	653.9	655.9	658.8	661.8	664.7	666.6
22.5°	629.5	630.5	633.4	633.4	634.4	638.3	641.2	644.2	647.1	651.0	653.9
25°	610.9	611.9	614.8	615.8	616.8	620.7	624.6	626.6	631.4	636.3	638.3
27.5°	590.4	592.4	594.3	595.3	597.2	602.1	606.0	609.9	613.9	618.7	622.7
30°	569.9	571.8	573.8	574.8	576.7	581.6	585.5	590.4	595.3	600.2	604.1
32.5°	546.4	549.3	551.3	553.3	554.2	560.1	565.0	569.9	574.8	580.6	585.5
35°	523.9	526.9	528.8	529.8	531.7	537.6	541.5	546.4	553.3	559.1	564.0
37.5°	499.5	501.4	505.4	505.4	507.3	514.2	519.0	523.9	530.8	536.6	542.5
40°	475.1	476.0	479.9	480.9	482.9	489.7	494.6	501.4	506.3	513.2	519.0
42.5°	448.7	451.6	455.5	457.5	459.4	463.3	467.2	475.1	479.9	487.8	493.6
45°	422.3	425.2	427.2	428.1	433.0	436.9	440.8	448.7	454.5	461.4	468.2
47.5°	395.9	397.8	400.8	404.7	406.6	410.5	413.5	421.3	427.2	435.0	440.8
50°	368.5	371.4	373.4	374.4	378.3	383.2	387.1	393.9	398.8	406.6	413.5
52.5°	341.1	345.0	345.0	349.0	350.9	352.9	358.7	365.6	370.5	377.3	384.1
55°	314.7	316.7	319.6	320.6	323.5	325.5	329.4	336.3	342.1	349.0	355.8
57.5°	285.4	287.4	289.3	293.2	295.2	299.1	303.0	307.9	312.8	319.6	324.5
60°	257.1	260.0	262.0	264.9	264.9	269.8	274.7	279.6	283.5	290.3	295.2
62.5°	231.7	231.7	231.7	235.6	234.6	238.5	242.4	248.3	252.2	261.0	266.9
65°	204.3	205.3	205.3	208.2	207.2	211.1	214.1	219.9	223.8	228.7	234.6
67.5°	177.9	177.9	178.9	181.8	180.8	183.8	188.7	191.6	194.5	200.4	205.3
70°	150.5	151.5	152.5	155.4	154.4	158.4	161.3	163.2	167.1	171.1	175.0
72.5°	127.1	127.1	130.0	130.0	129.0	132.0	134.9	136.8	138.8	143.7	148.6
75°	104.6	103.6	105.6	105.6	104.6	105.6	107.5	110.5	112.4	116.3	120.2
77.5°	82.1	81.1	83.1	83.1	83.1	82.1	85.0	86.0	87.0	89.0	92.9
80°	60.6	59.6	61.6	61.6	59.6	60.6	62.6	63.5	63.5	65.5	68.4
82.5°	42.0	41.1	42.0	42.0	42.0	42.0	43.0	42.0	43.0	43.0	45.9
85°	25.4	24.4	25.4	24.4	24.4	23.5	25.4	24.4	24.4	25.4	25.4
87.5°	8.8	8.8	9.8	9.8	8.8	9.8	8.8	8.8	8.8	9.8	8.8
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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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6
2.5°	711.6	711.6	711.6	711.6	711.6	711.6	712.6	712.6	711.6	712.6	711.6
5°	709.6	709.6	710.6	710.6	710.6	710.6	710.6	711.6	711.6	711.6	710.6
7.5°	706.7	706.7	706.7	706.7	707.7	708.7	708.7	708.7	709.6	708.7	708.7
10°	701.8	703.8	703.8	704.8	704.8	705.7	706.7	706.7	706.7	706.7	706.7
12.5°	696.9	697.9	698.9	699.9	700.9	700.9	702.8	702.8	702.8	702.8	701.8
15°	689.1	691.1	692.1	693.0	695.0	695.0	696.9	696.0	697.9	696.9	696.0
17.5°	680.3	682.3	684.2	684.2	687.2	688.1	690.1	691.1	691.1	690.1	688.1
20°	669.6	672.5	673.5	675.4	677.4	679.3	680.3	681.3	682.3	681.3	680.3
22.5°	656.9	660.8	661.8	663.7	666.6	668.6	669.6	670.5	671.5	671.5	669.6
25°	643.2	648.1	648.1	651.0	653.9	656.9	658.8	658.8	660.8	658.8	658.8
27.5°	626.6	632.4	635.4	636.3	640.2	643.2	645.1	647.1	647.1	645.1	645.1
30°	609.9	615.8	618.7	619.7	624.6	627.5	629.5	631.4	631.4	631.4	629.5
32.5°	591.4	598.2	601.1	602.1	608.0	610.9	613.9	615.8	615.8	614.8	611.9
35°	571.8	576.7	581.6	583.6	588.4	591.4	596.3	598.2	597.2	597.2	594.3
37.5°	549.3	557.2	560.1	562.0	567.9	571.8	576.7	578.7	578.7	577.7	575.7
40°	525.9	534.7	537.6	540.5	546.4	551.3	554.2	557.2	557.2	557.2	555.2
42.5°	502.4	509.3	513.2	516.1	522.9	525.9	530.8	534.7	534.7	533.7	530.8
45°	476.0	483.9	487.8	490.7	497.5	503.4	506.3	510.2	509.3	509.3	505.4
47.5°	449.6	457.5	461.4	464.3	471.1	478.0	479.9	483.9	483.9	483.9	479.9
50°	422.3	430.1	433.0	436.0	443.8	447.7	452.6	456.5	456.5	457.5	453.5
52.5°	393.9	399.8	404.7	406.6	414.5	419.3	423.2	428.1	428.1	426.2	426.2
55°	363.6	370.5	375.4	377.3	383.2	391.0	393.9	397.8	397.8	397.8	395.9
57.5°	333.3	341.1	345.0	347.0	353.8	359.7	363.6	367.5	368.5	368.5	364.6
60°	302.0	309.9	313.8	315.7	323.5	328.4	332.3	336.3	337.2	338.2	334.3
62.5°	272.7	279.6	283.5	285.4	291.3	295.2	300.1	305.0	306.0	306.0	304.0
65°	240.5	247.3	250.2	252.2	257.1	263.9	269.8	273.7	274.7	273.7	273.7
67.5°	210.2	216.0	219.9	220.9	225.8	232.6	235.6	239.5	240.5	240.5	239.5
70°	179.9	186.7	189.6	191.6	195.5	201.4	204.3	208.2	209.2	210.2	208.2
72.5°	151.5	156.4	159.3	161.3	166.2	171.1	173.0	176.9	178.9	178.9	176.9
75°	123.2	128.0	130.0	132.0	135.9	140.8	142.7	146.6	148.6	147.6	147.6
77.5°	95.8	99.7	101.7	102.6	105.6	111.4	112.4	116.3	116.3	117.3	117.3
80°	70.4	73.3	75.3	76.2	78.2	82.1	84.1	87.0	89.0	88.0	88.0
82.5°	46.9	48.9	50.8	52.8	52.8	56.7	56.7	59.6	59.6	61.6	60.6
85°	26.4	27.4	28.3	29.3	29.3	32.3	32.3	34.2	36.2	34.2	34.2
87.5°	8.8	9.8	9.8	10.8	9.8	11.7	10.8	12.7	13.7	13.7	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: P571881

CATALOG NUMBER: 22ID-20-L830-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6
2.5°	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6
5°	710.6	710.6	709.6	710.6	710.6	710.6	710.6	709.6	709.6	709.6	709.6
7.5°	708.7	707.7	707.7	707.7	706.7	706.7	706.7	706.7	705.7	705.7	705.7
10°	705.7	704.8	704.8	704.8	703.8	703.8	702.8	701.8	701.8	700.9	699.9
12.5°	701.8	700.9	699.9	699.9	698.9	697.9	696.9	696.0	695.0	693.0	693.0
15°	695.0	695.0	694.0	693.0	691.1	691.1	689.1	688.1	686.2	684.2	684.2
17.5°	688.1	687.2	686.2	684.2	682.3	681.3	679.3	677.4	675.4	673.5	672.5
20°	679.3	676.4	677.4	674.5	672.5	670.5	667.6	665.7	662.7	660.8	658.8
22.5°	667.6	666.6	665.7	662.7	659.8	658.8	653.9	651.0	648.1	645.1	643.2
25°	654.9	653.9	653.0	650.0	646.1	644.2	639.3	636.3	631.4	629.5	627.5
27.5°	640.2	640.2	638.3	634.4	631.4	626.6	623.6	617.8	613.9	610.9	609.0
30°	624.6	624.6	622.7	617.8	613.9	609.0	606.0	600.2	595.3	592.4	588.4
32.5°	609.0	608.0	606.0	601.1	596.3	591.4	585.5	580.6	574.8	571.8	567.9
35°	590.4	589.4	587.5	581.6	577.7	571.8	565.0	559.1	553.3	550.3	544.5
37.5°	570.8	568.9	566.9	560.1	555.2	549.3	544.5	536.6	530.8	526.9	523.9
40°	549.3	548.4	545.4	539.6	532.7	526.9	520.0	514.2	508.3	503.4	499.5
42.5°	527.8	523.9	522.0	516.1	511.2	502.4	497.5	489.7	483.9	479.9	474.1
45°	503.4	500.5	497.5	491.7	484.8	478.0	473.1	464.3	458.4	453.5	448.7
47.5°	476.0	475.1	472.1	465.3	459.4	452.6	446.7	437.9	432.0	428.1	423.2
50°	448.7	447.7	445.7	438.9	431.1	425.2	420.3	411.5	405.7	399.8	396.9
52.5°	423.2	419.3	417.4	411.5	403.7	396.9	392.9	384.1	378.3	372.4	368.5
55°	393.9	391.0	389.0	384.1	377.3	368.5	364.6	356.8	351.9	348.0	342.1
57.5°	364.6	360.7	358.7	352.9	348.0	341.1	336.3	328.4	323.5	319.6	315.7
60°	331.4	331.4	329.4	323.5	318.7	311.8	307.9	300.1	295.2	292.3	287.4
62.5°	304.0	300.1	299.1	292.3	289.3	282.5	279.6	272.7	269.8	264.9	260.0
65°	269.8	269.8	268.8	264.9	261.0	252.2	248.3	242.4	239.5	235.6	231.7
67.5°	239.5	236.5	236.5	232.6	227.8	222.9	219.9	214.1	212.1	207.2	204.3
70°	209.2	206.2	206.2	201.4	198.4	193.5	191.6	186.7	182.8	180.8	177.9
72.5°	178.9	176.9	175.9	172.0	170.1	165.2	164.2	159.3	155.4	154.4	151.5
75°	148.6	146.6	143.7	144.7	140.8	136.8	135.9	132.9	131.0	128.0	125.1
77.5°	118.3	116.3	116.3	114.4	112.4	109.5	108.5	106.5	103.6	101.7	99.7
80°	89.9	88.0	88.0	87.0	84.1	82.1	82.1	79.2	79.2	77.2	76.2
82.5°	61.6	60.6	59.6	60.6	58.6	56.7	57.7	56.7	55.7	53.8	52.8
85°	36.2	35.2	34.2	36.2	34.2	35.2	34.2	33.2	33.2	32.3	31.3
87.5°	13.7	13.7	12.7	13.7	13.7	14.7	13.7	13.7	13.7	13.7	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

TEST NUMBER: P571881

CATALOG NUMBER: 22ID-20-L830-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6
2.5°	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6
5°	709.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6	708.7	709.6
7.5°	705.7	704.8	705.7	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8
10°	699.9	699.9	699.9	699.9	699.9	699.9	699.9	699.9	699.9	698.9	698.9
12.5°	693.0	693.0	692.1	692.1	692.1	691.1	691.1	692.1	692.1	691.1	692.1
15°	683.3	684.2	682.3	681.3	681.3	681.3	681.3	681.3	681.3	681.3	682.3
17.5°	672.5	671.5	670.5	670.5	669.6	668.6	668.6	669.6	669.6	670.5	670.5
20°	658.8	658.8	656.9	655.9	654.9	653.9	653.9	654.9	654.9	654.9	656.9
22.5°	643.2	642.2	640.2	639.3	639.3	637.3	638.3	639.3	639.3	639.3	640.2
25°	625.6	624.6	623.6	622.7	620.7	619.7	619.7	621.7	621.7	623.6	624.6
27.5°	607.0	606.0	604.1	602.1	601.1	600.2	600.2	602.1	602.1	604.1	605.1
30°	587.5	586.5	583.6	582.6	579.6	578.7	579.6	581.6	582.6	583.6	584.5
32.5°	566.9	565.0	562.0	561.1	558.1	559.1	557.2	560.1	561.1	562.0	563.0
35°	544.5	542.5	539.6	536.6	535.7	534.7	534.7	536.6	536.6	539.6	540.5
37.5°	520.0	519.0	516.1	514.2	512.2	512.2	510.2	513.2	514.2	516.1	516.1
40°	497.5	496.6	491.7	489.7	487.8	488.7	485.8	488.7	489.7	491.7	492.6
42.5°	471.1	470.2	466.3	464.3	462.3	463.3	460.4	463.3	462.3	465.3	466.3
45°	445.7	444.8	441.8	437.9	436.0	436.9	436.9	436.9	436.0	438.9	439.9
47.5°	420.3	418.4	415.4	411.5	409.6	410.5	410.5	410.5	409.6	413.5	413.5
50°	393.9	392.0	389.0	385.1	384.1	384.1	384.1	384.1	384.1	386.1	387.1
52.5°	366.6	365.6	362.6	358.7	356.8	356.8	356.8	354.8	356.8	357.8	358.7
55°	339.2	338.2	333.3	331.4	329.4	330.4	329.4	328.4	328.4	330.4	331.4
57.5°	311.8	310.8	307.9	306.9	302.0	303.0	302.0	302.0	303.0	303.0	304.0
60°	284.4	283.5	280.5	279.6	275.6	276.6	272.7	274.7	275.6	275.6	275.6
62.5°	255.1	255.1	250.2	248.3	246.3	247.3	244.4	244.4	244.4	246.3	246.3
65°	228.7	227.8	223.8	221.9	219.9	219.9	218.0	218.0	217.0	219.0	219.0
67.5°	201.4	201.4	197.5	195.5	193.5	194.5	191.6	191.6	192.6	192.6	192.6
70°	175.0	175.0	172.0	171.1	168.1	168.1	165.2	166.2	166.2	166.2	166.2
72.5°	149.6	149.6	146.6	145.6	142.7	142.7	139.8	140.8	140.8	139.8	139.8
75°	124.1	125.1	120.2	119.3	117.3	118.3	116.3	115.3	116.3	114.4	114.4
77.5°	98.7	98.7	97.7	96.8	93.8	93.8	92.9	90.9	91.9	89.9	89.9
80°	74.3	75.3	72.3	73.3	70.4	71.4	70.4	68.4	68.4	67.4	66.5
82.5°	51.8	51.8	50.8	51.8	50.8	49.9	48.9	47.9	47.9	45.9	45.9
85°	31.3	32.3	30.3	31.3	31.3	30.3	28.3	28.3	28.3	27.4	27.4
87.5°	12.7	14.7	13.7	13.7	13.7	13.7	12.7	13.7	12.7	11.7	11.7
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: P571881

CATALOG NUMBER: 22ID-20-L830-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6	711.6
2.5°	710.6	711.6	711.6	711.6	711.6	710.6	710.6	710.6	710.6	710.6	711.6
5°	708.7	709.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6
7.5°	704.8	704.8	705.7	705.7	705.7	705.7	706.7	705.7	706.7	705.7	706.7
10°	698.9	699.9	700.9	700.9	701.8	700.9	701.8	701.8	702.8	702.8	702.8
12.5°	692.1	693.0	693.0	695.0	695.0	695.0	696.0	696.0	696.9	697.9	697.9
15°	682.3	683.3	684.2	684.2	686.2	688.1	688.1	689.1	690.1	691.1	691.1
17.5°	670.5	671.5	672.5	674.5	676.4	678.4	679.3	679.3	681.3	682.3	682.3
20°	656.9	658.8	660.8	662.7	663.7	666.6	667.6	668.6	670.5	672.5	672.5
22.5°	642.2	643.2	646.1	648.1	650.0	653.0	653.9	656.9	658.8	659.8	660.8
25°	624.6	626.6	629.5	631.4	633.4	637.3	640.2	642.2	645.1	647.1	647.1
27.5°	605.1	608.0	610.9	612.9	615.8	620.7	623.6	625.6	629.5	631.4	632.4
30°	585.5	587.5	591.4	594.3	597.2	602.1	606.0	609.0	612.9	614.8	615.8
32.5°	564.0	566.9	570.8	573.8	577.7	582.6	586.5	589.4	595.3	596.3	597.2
35°	541.5	544.5	547.4	552.3	556.2	561.1	566.0	569.9	572.8	576.7	577.7
37.5°	518.1	521.0	524.9	528.8	532.7	538.6	543.5	546.4	551.3	554.2	556.2
40°	493.6	496.6	501.4	506.3	509.3	515.1	520.0	523.9	530.8	532.7	532.7
42.5°	467.2	471.1	474.1	479.9	482.9	489.7	494.6	500.5	504.4	507.3	508.3
45°	441.8	444.8	450.6	454.5	457.5	464.3	469.2	474.1	479.0	480.9	482.9
47.5°	414.5	418.4	423.2	425.2	430.1	436.9	441.8	446.7	452.6	454.5	455.5
50°	388.1	391.0	393.9	397.8	401.7	408.6	414.5	419.3	424.2	426.2	427.2
52.5°	360.7	363.6	366.6	371.4	373.4	380.2	383.2	388.1	394.9	396.9	397.8
55°	332.3	336.3	340.2	343.1	345.0	350.9	354.8	360.7	364.6	366.6	368.5
57.5°	304.0	306.9	310.8	314.7	315.7	321.6	326.5	329.4	334.3	336.3	338.2
60°	276.6	279.6	282.5	283.5	286.4	292.3	297.2	299.1	304.0	306.0	306.9
62.5°	247.3	248.3	252.2	255.1	255.1	262.9	265.9	269.8	273.7	274.7	276.6
65°	219.9	221.9	221.9	223.8	226.8	231.7	233.6	238.5	241.4	242.4	243.4
67.5°	192.6	194.5	196.5	198.4	198.4	203.3	204.3	208.2	211.1	212.1	213.1
70°	166.2	166.2	169.1	171.1	170.1	174.0	175.9	177.9	181.8	182.8	183.8
72.5°	140.8	139.8	141.7	143.7	145.6	146.6	148.6	149.6	152.5	154.4	155.4
75°	115.3	116.3	116.3	117.3	116.3	117.3	120.2	123.2	125.1	126.1	128.0
77.5°	89.9	90.9	90.9	91.9	92.9	92.9	93.8	97.7	99.7	100.7	99.7
80°	66.5	67.4	67.4	68.4	69.4	70.4	70.4	72.3	75.3	76.2	76.2
82.5°	46.9	46.9	46.9	46.9	47.9	47.9	48.9	50.8	52.8	52.8	54.7
85°	28.3	28.3	27.4	28.3	27.4	28.3	29.3	31.3	32.3	32.3	33.2
87.5°	12.7	11.7	12.7	12.7	11.7	11.7	11.7	12.7	12.7	13.7	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

TEST NUMBER: P571881

CATALOG NUMBER: 22ID-20-L830-SWR

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	711.6	711.6	711.6	711.6
2.5°	711.6	711.6	711.6	711.6
5°	709.6	709.6	709.6	709.6
7.5°	706.7	706.7	706.7	706.7
10°	702.8	703.8	703.8	703.8
12.5°	697.9	697.9	698.9	698.9
15°	692.1	692.1	692.1	693.0
17.5°	683.3	684.2	684.2	684.2
20°	673.5	674.5	674.5	673.5
22.5°	660.8	661.8	662.7	662.7
25°	648.1	650.0	651.0	651.0
27.5°	633.4	635.4	636.3	636.3
30°	617.8	619.7	619.7	619.7
32.5°	599.2	602.1	603.1	603.1
35°	579.6	583.6	584.5	584.5
37.5°	559.1	561.1	564.0	564.0
40°	536.6	538.6	541.5	541.5
42.5°	512.2	516.1	516.1	518.1
45°	485.8	489.7	490.7	492.6
47.5°	459.4	463.3	464.3	465.3
50°	431.1	434.0	436.9	436.9
52.5°	402.7	404.7	406.6	408.6
55°	372.4	375.4	376.3	378.3
57.5°	341.1	345.0	346.0	348.0
60°	310.8	313.8	315.7	316.7
62.5°	280.5	282.5	283.5	285.4
65°	247.3	250.2	250.2	252.2
67.5°	217.0	219.0	219.9	220.9
70°	184.7	188.7	189.6	191.6
72.5°	156.4	160.3	160.3	162.3
75°	131.0	132.0	132.0	133.9
77.5°	103.6	104.6	105.6	106.5
80°	78.2	79.2	79.2	81.1
82.5°	55.7	55.7	55.7	56.7
85°	34.2	33.2	32.3	33.2
87.5°	13.7	13.7	14.7	12.7
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P571881

CATALOG NUMBER: 22ID-20-L830-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	14.17	15.80	14.53	16.11	16.43	13.05	14.68	13.42	14.99	15.31
	3H	15.92	17.39	16.30	17.72	18.08	14.67	16.14	15.05	16.47	16.83
	4H	16.58	17.97	16.98	18.31	18.69	15.26	16.65	15.66	17.00	17.37
	6H	17.07	18.36	17.48	18.72	19.11	15.70	16.98	16.11	17.35	17.74
	8H	17.23	18.46	17.65	18.84	19.24	15.83	17.06	16.25	17.44	17.84
	12H	17.33	18.50	17.76	18.88	19.31	15.91	17.09	16.34	17.47	17.90
4H	2H	14.65	16.04	15.05	16.39	16.76	13.75	15.14	14.15	15.49	15.86
	3H	16.63	17.79	17.04	18.19	18.59	15.58	16.74	15.99	17.14	17.54
	4H	17.43	18.48	17.86	18.89	19.32	16.29	17.33	16.72	17.75	18.18
	6H	18.06	18.97	18.51	19.42	19.87	16.83	17.75	17.28	18.19	18.64
	8H	18.27	19.13	18.73	19.57	20.04	17.00	17.86	17.46	18.30	18.77
	12H	18.42	19.19	18.90	19.66	20.13	17.12	17.89	17.60	18.36	18.83
8H	4H	17.66	18.52	18.12	18.96	19.43	16.63	17.49	17.09	17.93	18.40
	6H	18.40	19.12	18.90	19.61	20.08	17.28	18.00	17.78	18.49	18.96
	8H	18.69	19.33	19.20	19.84	20.32	17.52	18.16	18.03	18.67	19.15
	12H	18.91	19.48	19.42	19.97	20.53	17.70	18.26	18.20	18.75	19.31
12H	4H	17.68	18.45	18.16	18.93	19.40	16.68	17.45	17.16	17.92	18.39
	6H	18.44	19.08	18.95	19.59	20.07	17.35	17.99	17.86	18.50	18.98
	8H	18.78	19.34	19.28	19.83	20.39	17.64	18.20	18.15	18.69	19.26

END OF REPORT