

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: P1428057

Luminaire Tested: SQ2W-PP3-K-050U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428057
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PP3-K-050U-125D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

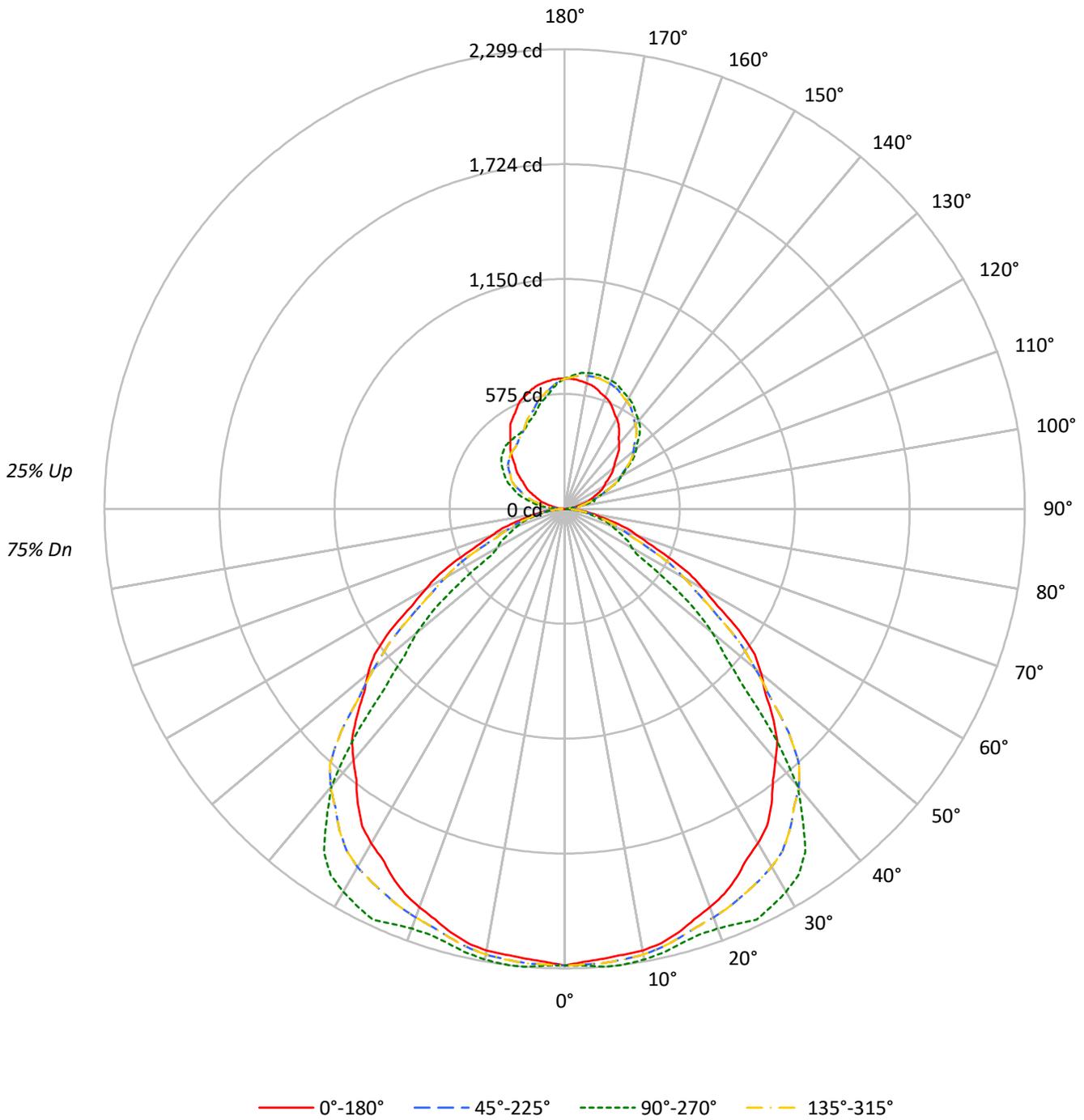
Lumens per Lamp: N/A
Luminaire Lumens: 7657.1 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 64.1
Input Voltage (V): 120
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				
RC	80					70					50					30				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75		
1	104	100	96	93	99	95	92	89	87	84	82	79	77	75	71	70	69	65		
2	96	88	82	77	91	84	79	74	77	73	69	70	67	64	64	61	59	56		
3	88	78	71	65	83	75	68	63	68	63	59	63	58	55	57	54	51	48		
4	81	70	62	56	76	67	60	54	61	55	51	56	51	48	51	48	44	42		
5	74	63	54	48	70	60	53	47	55	49	44	51	46	42	47	42	39	36		
6	69	56	48	42	65	54	47	41	50	44	39	46	41	37	42	38	35	32		
7	64	51	43	37	60	49	42	36	46	39	35	42	37	33	39	34	31	29		
8	59	47	39	33	56	45	38	33	42	35	31	39	33	29	36	31	28	26		
9	55	43	35	30	53	41	34	29	38	32	28	36	30	26	33	28	25	23		
10	52	39	32	27	49	38	31	26	35	29	25	33	28	24	31	26	23	21		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	36886	36886	36886	36886
5°	36598	37262	36598	37262
10°	36783	37535	36783	37535
15°	36695	37622	36695	37622
20°	36432	38382	36432	38382
25°	36226	40398	36226	40398
30°	36019	41243	36019	41243
35°	35510	41318	35510	41318
40°	34561	38176	34561	38176
45°	33528	29060	33528	29060
50°	32211	24204	32211	24204
55°	29979	17404	29979	17404
60°	25814	12477	25814	12477
65°	21776	12271	21776	12271
70°	18127	11745	18127	11745
75°	15365	10998	15365	10998
80°	13026	9884	13026	9884
85°	10281	5372	10281	5372

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 36677 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.5	2.8
10°-20°	629.6	8.2
20°-30°	986.4	12.9
30°-40°	1216.8	15.9
40°-50°	1145.5	15.0
50°-60°	811.1	10.6
60°-70°	462.2	6.0
70°-80°	228.8	3.0
80°-90°	58.6	0.8
90°-100°	51.8	0.7
100°-110°	151.1	2.0
110°-120°	246.5	3.2
120°-130°	312.9	4.1
130°-140°	334.8	4.4
140°-150°	312.6	4.1
150°-160°	257.2	3.4
160°-170°	172.5	2.3
170°-180°	61.3	0.8
0°-30°	1833.5	23.9
0°-40°	3050.3	39.8
0°-60°	5006.9	65.4
0°-90°	5756.5	75.2
90°-120°	449.4	5.9
90°-150°	1409.7	18.4
90°-180°	1901.0	24.8
0°-180°	7657.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2285	2285	2285	2285	2285	
5°	2258	2299	2258	2299	2258	215
15°	2195	2251	2195	2251	2195	619
25°	2034	2268	2034	2268	2034	937
35°	1802	2096	1802	2096	1802	1124
45°	1468	1273	1468	1273	1468	1130
55°	1065	618	1065	618	1065	940
65°	570	321	570	321	570	572
75°	246	176	246	176	246	267
85°	56	29	56	29	56	65
90°	2	14	2	28	2	4
95°	20	15	20	89	20	25
105°	96	154	96	212	96	102
115°	184	255	184	314	184	181
125°	272	404	272	385	272	244
135°	370	529	370	427	370	286
145°	473	610	473	436	473	296
155°	562	663	562	452	562	258
165°	621	691	621	521	621	175
175°	649	677	649	611	649	62
180°	651	651	651	651	651	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6
2.5°	2267.3	2281.9	2296.4	2293.0	2283.6	2279.7	2281.4	2283.1	2284.9	2286.6	2284.9
5°	2258.1	2276.3	2294.6	2291.9	2282.2	2278.5	2280.6	2284.1	2291.6	2299.1	2291.6
7.5°	2249.4	2268.1	2286.7	2284.3	2274.9	2272.0	2275.6	2280.7	2289.9	2299.1	2289.9
10°	2243.6	2259.7	2275.8	2273.4	2264.8	2263.2	2268.5	2274.4	2282.0	2289.5	2282.0
12.5°	2226.2	2241.4	2256.7	2254.7	2247.0	2246.6	2253.7	2260.7	2267.4	2274.0	2267.4
15°	2195.3	2209.2	2223.2	2223.5	2219.2	2221.9	2231.5	2240.1	2245.5	2250.8	2245.5
17.5°	2153.3	2170.2	2187.2	2191.1	2190.7	2197.3	2211.1	2222.8	2228.3	2233.9	2228.3
20°	2120.4	2140.8	2161.2	2167.9	2170.1	2179.7	2196.9	2212.5	2223.2	2233.9	2223.2
22.5°	2085.6	2109.5	2133.3	2142.2	2146.0	2160.8	2186.6	2210.5	2229.0	2247.5	2229.0
25°	2033.5	2057.1	2080.7	2097.9	2112.9	2139.2	2176.8	2211.9	2239.8	2267.7	2239.8
27.5°	1972.6	1996.0	2019.4	2048.9	2080.5	2117.4	2159.7	2196.9	2219.1	2241.2	2219.1
30°	1932.0	1954.6	1977.1	2010.9	2048.5	2089.3	2133.3	2171.4	2191.8	2212.2	2191.8
32.5°	1881.8	1905.2	1928.6	1964.6	2004.7	2048.5	2095.9	2136.2	2154.9	2173.5	2154.9
35°	1801.6	1824.2	1846.7	1888.6	1936.9	1985.7	2035.1	2074.8	2085.5	2096.3	2085.5
37.5°	1709.4	1734.9	1760.5	1807.4	1861.5	1902.4	1930.1	1951.0	1951.7	1952.3	1951.7
40°	1639.8	1673.1	1706.4	1753.3	1804.9	1833.3	1838.7	1839.2	1825.2	1811.3	1825.2
42.5°	1572.2	1614.9	1657.6	1695.4	1731.4	1738.8	1717.6	1686.1	1624.1	1562.1	1624.1
45°	1468.4	1518.8	1569.2	1592.3	1606.3	1559.1	1450.6	1358.6	1315.7	1272.7	1315.7
47.5°	1357.7	1407.5	1457.4	1451.0	1425.8	1354.4	1236.5	1140.7	1111.1	1081.5	1111.1
50°	1282.4	1329.6	1376.8	1342.8	1281.6	1201.1	1101.3	1019.4	991.5	963.6	991.5
52.5°	1197.4	1239.5	1281.5	1230.1	1147.4	1062.6	975.7	899.8	857.3	814.8	857.3
55°	1065.0	1094.0	1123.0	1066.6	981.9	888.5	786.5	699.8	659.0	618.3	659.0
57.5°	905.6	926.0	946.4	902.1	836.2	743.4	623.6	522.3	476.6	430.8	476.6
60°	799.4	815.5	831.6	791.3	732.3	643.7	525.7	431.5	408.9	386.4	408.9
62.5°	702.8	717.2	731.5	689.6	628.8	549.7	452.3	377.2	369.2	361.3	369.2
65°	570.0	583.9	597.9	553.9	490.5	428.8	368.7	323.3	322.3	321.2	322.3
67.5°	453.5	468.8	484.0	442.6	382.3	336.7	305.7	282.2	281.0	279.7	281.0
70°	384.0	400.1	416.2	377.6	320.7	283.6	266.5	253.0	250.9	248.8	250.9
72.5°	326.0	341.3	356.5	322.8	272.8	242.2	231.0	222.3	221.1	219.8	221.1
75°	246.3	258.1	269.9	245.5	209.0	188.1	182.7	178.4	177.4	176.3	177.4
77.5°	178.7	186.2	193.7	177.7	153.9	140.6	137.8	135.5	134.4	133.3	134.4
80°	140.1	143.3	146.5	135.2	119.1	110.6	109.5	108.4	107.3	106.3	107.3
82.5°	105.3	104.2	103.1	96.6	88.2	83.5	82.4	81.1	79.2	77.3	79.2
85°	55.5	53.4	51.3	49.1	47.0	43.7	39.4	35.4	32.2	29.0	32.2
87.5°	17.8	18.3	19.0	16.3	12.4	9.9	9.1	8.6	8.7	8.7	8.7
90°	2.0	4.6	7.9	10.5	12.5	13.2	13.2	13.8	14.5	14.5	14.5
92.5°	7.2	11.4	11.6	11.6	14.1	15.3	16.3	16.4	17.1	17.1	17.1
95°	20.4	22.4	33.5	32.9	22.4	17.8	15.1	15.1	15.1	15.1	15.1
97.5°	38.9	41.8	43.7	58.5	61.8	59.7	48.7	40.9	36.6	34.6	36.6
100°	55.2	56.5	60.5	61.1	77.6	93.4	85.5	75.6	72.3	70.4	72.3
102.5°	71.5	72.3	78.4	81.1	85.0	93.9	121.2	118.2	116.0	115.6	116.0
105°	96.0	96.7	107.8	113.1	115.7	115.7	115.1	128.2	149.3	153.9	149.3
107.5°	122.2	125.2	138.3	152.4	155.4	156.2	152.8	150.8	150.0	150.6	150.0
110°	140.1	144.7	160.4	178.2	182.8	184.1	182.8	180.8	179.5	179.5	179.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	157.4	164.1	182.0	202.4	210.1	214.1	211.2	209.8	208.4	209.5	208.4
115°	184.1	194.0	217.6	238.7	254.5	256.4	255.8	255.8	255.1	255.1	255.1
117.5°	208.8	224.6	251.2	275.6	293.9	299.2	301.8	301.0	300.2	301.5	300.2
120°	226.2	244.6	274.8	302.5	320.2	328.1	330.7	329.4	330.7	329.4	330.7
122.5°	244.6	267.2	296.9	325.6	346.5	355.5	358.6	358.9	359.1	358.4	359.1
125°	272.2	299.8	334.7	364.3	386.0	396.5	399.1	399.8	401.1	404.4	401.1
127.5°	300.1	331.4	369.7	398.2	420.4	433.2	437.3	438.7	441.5	442.9	441.5
130°	319.6	355.1	393.9	420.8	442.5	456.3	463.6	465.5	468.8	468.2	468.8
132.5°	340.1	377.2	416.5	444.5	464.6	479.5	485.6	491.3	492.5	493.4	492.5
135°	370.2	410.3	449.7	477.4	496.4	510.9	518.8	524.0	527.3	529.3	527.3
137.5°	401.9	444.2	482.1	506.7	525.9	538.4	547.3	552.8	556.3	557.8	556.3
140°	423.4	464.2	501.0	526.7	543.8	556.3	564.2	570.7	574.7	574.7	574.7
142.5°	444.0	484.2	520.0	545.6	560.6	572.0	580.5	585.5	589.9	589.9	589.9
145°	472.8	512.9	545.7	571.4	583.9	594.4	603.6	607.6	610.2	610.2	610.2
147.5°	502.9	538.4	568.4	593.0	603.5	615.8	623.1	626.2	629.5	628.1	629.5
150°	520.8	553.6	582.6	605.6	616.1	627.9	635.2	637.8	641.1	639.1	641.1
152.5°	538.1	569.4	595.7	617.2	626.1	637.9	646.2	648.8	651.1	649.6	651.1
155°	561.5	589.1	613.5	633.2	641.1	652.3	660.2	663.4	666.1	662.8	666.1
157.5°	582.4	606.2	627.4	645.6	654.0	663.6	670.9	675.0	677.6	676.2	677.6
160°	595.1	616.8	635.8	652.9	660.8	669.4	677.3	681.9	684.5	682.5	684.5
162.5°	605.6	625.2	643.2	658.7	665.5	673.0	682.5	686.6	689.2	686.7	689.2
165°	620.7	636.5	652.3	665.4	671.3	677.3	687.1	691.7	693.7	691.1	693.7
167.5°	632.1	644.2	657.0	668.3	672.6	678.4	688.3	692.1	694.6	691.3	694.6
170°	638.5	649.0	660.2	669.4	672.6	677.9	687.8	691.1	693.0	689.7	693.0
172.5°	643.7	651.6	660.7	668.8	670.5	674.8	684.1	687.4	688.8	686.1	688.8
175°	649.0	653.6	660.2	665.4	664.8	667.4	675.3	677.9	680.5	676.6	680.5
177.5°	651.5	653.6	655.7	658.8	656.7	656.7	662.5	664.1	664.6	662.5	664.6
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6
2.5°	2283.1	2281.4	2279.7	2283.6	2293.0	2296.4	2281.9	2267.3	2281.9	2296.4	2293.0
5°	2284.1	2280.6	2278.5	2282.2	2291.9	2294.6	2276.3	2258.1	2276.3	2294.6	2291.9
7.5°	2280.7	2275.6	2272.0	2274.9	2284.3	2286.7	2268.1	2249.4	2268.1	2286.7	2284.3
10°	2274.4	2268.5	2263.2	2264.8	2273.4	2275.8	2259.7	2243.6	2259.7	2275.8	2273.4
12.5°	2260.7	2253.7	2246.6	2247.0	2254.7	2256.7	2241.4	2226.2	2241.4	2256.7	2254.7
15°	2240.1	2231.5	2221.9	2219.2	2223.5	2223.2	2209.2	2195.3	2209.2	2223.2	2223.5
17.5°	2222.8	2211.1	2197.3	2190.7	2191.1	2187.2	2170.2	2153.3	2170.2	2187.2	2191.1
20°	2212.5	2196.9	2179.7	2170.1	2167.9	2161.2	2140.8	2120.4	2140.8	2161.2	2167.9
22.5°	2210.5	2186.6	2160.8	2146.0	2142.2	2133.3	2109.5	2085.6	2109.5	2133.3	2142.2
25°	2211.9	2176.8	2139.2	2112.9	2097.9	2080.7	2057.1	2033.5	2057.1	2080.7	2097.9
27.5°	2196.9	2159.7	2117.4	2080.5	2048.9	2019.4	1996.0	1972.6	1996.0	2019.4	2048.9
30°	2171.4	2133.3	2089.3	2048.5	2010.9	1977.1	1954.6	1932.0	1954.6	1977.1	2010.9
32.5°	2136.2	2095.9	2048.5	2004.7	1964.6	1928.6	1905.2	1881.8	1905.2	1928.6	1964.6
35°	2074.8	2035.1	1985.7	1936.9	1888.6	1846.7	1824.2	1801.6	1824.2	1846.7	1888.6
37.5°	1951.0	1930.1	1902.4	1861.5	1807.4	1760.5	1734.9	1709.4	1734.9	1760.5	1807.4
40°	1839.2	1838.7	1833.3	1804.9	1753.3	1706.4	1673.1	1639.8	1673.1	1706.4	1753.3
42.5°	1686.1	1717.6	1738.8	1731.4	1695.4	1657.6	1614.9	1572.2	1614.9	1657.6	1695.4
45°	1358.6	1450.6	1559.1	1606.3	1592.3	1569.2	1518.8	1468.4	1518.8	1569.2	1592.3
47.5°	1140.7	1236.5	1354.4	1425.8	1451.0	1457.4	1407.5	1357.7	1407.5	1457.4	1451.0
50°	1019.4	1101.3	1201.1	1281.6	1342.8	1376.8	1329.6	1282.4	1329.6	1376.8	1342.8
52.5°	899.8	975.7	1062.6	1147.4	1230.1	1281.5	1239.5	1197.4	1239.5	1281.5	1230.1
55°	699.8	786.5	888.5	981.9	1066.6	1123.0	1094.0	1065.0	1094.0	1123.0	1066.6
57.5°	522.3	623.6	743.4	836.2	902.1	946.4	926.0	905.6	926.0	946.4	902.1
60°	431.5	525.7	643.7	732.3	791.3	831.6	815.5	799.4	815.5	831.6	791.3
62.5°	377.2	452.3	549.7	628.8	689.6	731.5	717.2	702.8	717.2	731.5	689.6
65°	323.3	368.7	428.8	490.5	553.9	597.9	583.9	570.0	583.9	597.9	553.9
67.5°	282.2	305.7	336.7	382.3	442.6	484.0	468.8	453.5	468.8	484.0	442.6
70°	253.0	266.5	283.6	320.7	377.6	416.2	400.1	384.0	400.1	416.2	377.6
72.5°	222.3	231.0	242.2	272.8	322.8	356.5	341.3	326.0	341.3	356.5	322.8
75°	178.4	182.7	188.1	209.0	245.5	269.9	258.1	246.3	258.1	269.9	245.5
77.5°	135.5	137.8	140.6	153.9	177.7	193.7	186.2	178.7	186.2	193.7	177.7
80°	108.4	109.5	110.6	119.1	135.2	146.5	143.3	140.1	143.3	146.5	135.2
82.5°	81.1	82.4	83.5	88.2	96.6	103.1	104.2	105.3	104.2	103.1	96.6
85°	35.4	39.4	43.7	47.0	49.1	51.3	53.4	55.5	53.4	51.3	49.1
87.5°	8.6	9.1	9.9	12.4	16.3	19.0	18.3	17.8	18.3	18.8	16.5
90°	13.8	13.2	13.2	12.5	10.5	7.9	4.6	2.0	4.6	7.2	11.8
92.5°	16.4	16.3	15.3	14.1	11.6	11.6	11.4	7.2	12.5	17.8	25.5
95°	15.1	15.1	17.8	22.4	32.9	33.5	22.4	20.4	28.9	40.8	51.3
97.5°	40.9	48.7	59.7	61.8	58.5	43.7	41.8	38.9	53.0	64.7	81.7
100°	75.6	85.5	93.4	77.6	61.1	60.5	56.5	55.2	70.4	81.5	98.0
102.5°	118.2	121.2	93.9	85.0	81.1	78.4	72.3	71.5	86.7	102.0	115.9
105°	128.2	115.1	115.7	115.7	113.1	107.8	96.7	96.0	113.1	130.8	147.9
107.5°	150.8	152.8	156.2	155.4	152.4	138.3	125.2	122.2	137.6	158.9	177.7
110°	180.8	182.8	184.1	182.8	178.2	160.4	144.7	140.1	153.9	176.2	196.6



TEST NUMBER: P1428057

CATALOG NUMBER: SQ2W-PP3-K-050U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	209.8	211.2	214.1	210.1	202.4	182.0	164.1	157.4	171.2	194.1	215.0
115°	255.8	255.8	256.4	254.5	238.7	217.6	194.0	184.1	195.9	217.0	240.0
117.5°	301.0	301.8	299.2	293.9	275.6	251.2	224.6	208.8	218.2	240.4	264.1
120°	329.4	330.7	328.1	320.2	302.5	274.8	244.6	226.2	233.4	255.1	278.8
122.5°	358.9	358.6	355.5	346.5	325.6	296.9	267.2	244.6	247.6	267.7	290.9
125°	399.8	399.1	396.5	386.0	364.3	334.7	299.8	272.2	268.3	285.4	309.0
127.5°	438.7	437.3	433.2	420.4	398.2	369.7	331.4	300.1	291.3	302.1	323.8
130°	465.5	463.6	456.3	442.5	420.8	393.9	355.1	319.6	307.1	313.6	332.7
132.5°	491.3	485.6	479.5	464.6	444.5	416.5	377.2	340.1	322.8	325.7	340.6
135°	524.0	518.8	510.9	496.4	477.4	449.7	410.3	370.2	346.5	343.9	352.4
137.5°	552.8	547.3	538.4	525.9	506.7	482.1	444.2	401.9	372.0	363.2	366.5
140°	570.7	564.2	556.3	543.8	526.7	501.0	464.2	423.4	389.9	377.4	375.4
142.5°	585.5	580.5	572.0	560.6	545.6	520.0	484.2	444.0	408.3	392.1	387.5
145°	607.6	603.6	594.4	583.9	571.4	545.7	512.9	472.8	437.3	416.2	406.4
147.5°	626.2	623.1	615.8	603.5	593.0	568.4	538.4	502.9	466.4	440.4	427.7
150°	637.8	635.2	627.9	616.1	605.6	582.6	553.6	520.8	485.9	458.3	441.9
152.5°	648.8	646.2	637.9	626.1	617.2	595.7	569.4	538.1	502.7	475.1	458.2
155°	663.4	660.2	652.3	641.1	633.2	613.5	589.1	561.5	531.3	502.3	483.3
157.5°	675.0	670.9	663.6	654.0	645.6	627.4	606.2	582.4	556.0	528.4	508.9
160°	681.9	677.3	669.4	660.8	652.9	635.8	616.8	595.1	570.7	545.7	524.7
162.5°	686.6	682.5	673.0	665.5	658.7	643.2	625.2	605.6	583.9	562.1	542.6
165°	691.7	687.1	677.3	671.3	665.4	652.3	636.5	620.7	602.3	584.5	568.8
167.5°	692.1	688.3	678.4	672.6	668.3	657.0	644.2	632.1	617.8	603.9	590.7
170°	691.1	687.8	677.9	672.6	669.4	660.2	649.0	638.5	627.3	615.4	604.9
172.5°	687.4	684.1	674.8	670.5	668.8	660.7	651.6	643.7	634.1	625.4	617.0
175°	677.9	675.3	667.4	664.8	665.4	660.2	653.6	649.0	643.1	637.8	633.2
177.5°	664.1	662.5	656.7	656.7	658.8	655.7	653.6	651.5	648.8	647.3	645.7
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1428057

CATALOG NUMBER: SQ2W-PP3-K-050U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6
2.5°	2283.6	2279.7	2281.4	2283.1	2284.9	2286.6	2284.9	2283.1	2281.4	2279.7	2283.6
5°	2282.2	2278.5	2280.6	2284.1	2291.6	2299.1	2291.6	2284.1	2280.6	2278.5	2282.2
7.5°	2274.9	2272.0	2275.6	2280.7	2289.9	2299.1	2289.9	2280.7	2275.6	2272.0	2274.9
10°	2264.8	2263.2	2268.5	2274.4	2282.0	2289.5	2282.0	2274.4	2268.5	2263.2	2264.8
12.5°	2247.0	2246.6	2253.7	2260.7	2267.4	2274.0	2267.4	2260.7	2253.7	2246.6	2247.0
15°	2219.2	2221.9	2231.5	2240.1	2245.5	2250.8	2245.5	2240.1	2231.5	2221.9	2219.2
17.5°	2190.7	2197.3	2211.1	2222.8	2228.3	2233.9	2228.3	2222.8	2211.1	2197.3	2190.7
20°	2170.1	2179.7	2196.9	2212.5	2223.2	2233.9	2223.2	2212.5	2196.9	2179.7	2170.1
22.5°	2146.0	2160.8	2186.6	2210.5	2229.0	2247.5	2229.0	2210.5	2186.6	2160.8	2146.0
25°	2112.9	2139.2	2176.8	2211.9	2239.8	2267.7	2239.8	2211.9	2176.8	2139.2	2112.9
27.5°	2080.5	2117.4	2159.7	2196.9	2219.1	2241.2	2219.1	2196.9	2159.7	2117.4	2080.5
30°	2048.5	2089.3	2133.3	2171.4	2191.8	2212.2	2191.8	2171.4	2133.3	2089.3	2048.5
32.5°	2004.7	2048.5	2095.9	2136.2	2154.9	2173.5	2154.9	2136.2	2095.9	2048.5	2004.7
35°	1936.9	1985.7	2035.1	2074.8	2085.5	2096.3	2085.5	2074.8	2035.1	1985.7	1936.9
37.5°	1861.5	1902.4	1930.1	1951.0	1951.7	1952.3	1951.7	1951.0	1930.1	1902.4	1861.5
40°	1804.9	1833.3	1838.7	1839.2	1825.2	1811.3	1825.2	1839.2	1838.7	1833.3	1804.9
42.5°	1731.4	1738.8	1717.6	1686.1	1624.1	1562.1	1624.1	1686.1	1717.6	1738.8	1731.4
45°	1606.3	1559.1	1450.6	1358.6	1315.7	1272.7	1315.7	1358.6	1450.6	1559.1	1606.3
47.5°	1425.8	1354.4	1236.5	1140.7	1111.1	1081.5	1111.1	1140.7	1236.5	1354.4	1425.8
50°	1281.6	1201.1	1101.3	1019.4	991.5	963.6	991.5	1019.4	1101.3	1201.1	1281.6
52.5°	1147.4	1062.6	975.7	899.8	857.3	814.8	857.3	899.8	975.7	1062.6	1147.4
55°	981.9	888.5	786.5	699.8	659.0	618.3	659.0	699.8	786.5	888.5	981.9
57.5°	836.2	743.4	623.6	522.3	476.6	430.8	476.6	522.3	623.6	743.4	836.2
60°	732.3	643.7	525.7	431.5	408.9	386.4	408.9	431.5	525.7	643.7	732.3
62.5°	628.8	549.7	452.3	377.2	369.2	361.3	369.2	377.2	452.3	549.7	628.8
65°	490.5	428.8	368.7	323.3	322.3	321.2	322.3	323.3	368.7	428.8	490.5
67.5°	382.3	336.7	305.7	282.2	281.0	279.7	281.0	282.2	305.7	336.7	382.3
70°	320.7	283.6	266.5	253.0	250.9	248.8	250.9	253.0	266.5	283.6	320.7
72.5°	272.8	242.2	231.0	222.3	221.1	219.8	221.1	222.3	231.0	242.2	272.8
75°	209.0	188.1	182.7	178.4	177.4	176.3	177.4	178.4	182.7	188.1	209.0
77.5°	153.9	140.6	137.8	135.5	134.4	133.3	134.4	135.5	137.8	140.6	153.9
80°	119.1	110.6	109.5	108.4	107.3	106.3	107.3	108.4	109.5	110.6	119.1
82.5°	88.2	83.5	82.4	81.1	79.2	77.3	79.2	81.1	82.4	83.5	88.2
85°	47.0	43.7	39.4	35.4	32.2	29.0	32.2	35.4	39.4	43.7	47.0
87.5°	12.9	11.2	11.3	11.2	11.7	11.5	11.7	11.2	11.3	11.2	12.9
90°	15.1	19.7	24.3	27.0	29.6	28.3	29.6	27.0	24.3	19.7	15.1
92.5°	30.4	38.1	43.8	48.5	50.6	50.4	50.6	48.5	43.8	38.1	30.4
95°	61.1	70.4	79.6	86.1	90.1	88.8	90.1	86.1	79.6	70.4	61.1
97.5°	94.3	106.7	116.9	123.1	127.0	129.7	127.0	123.1	116.9	106.7	94.3
100°	116.4	128.2	140.1	147.3	153.9	156.5	153.9	147.3	140.1	128.2	116.4
102.5°	134.3	149.8	162.7	170.4	176.0	178.6	176.0	170.4	162.7	149.8	134.3
105°	163.7	180.2	194.0	203.8	209.8	211.7	209.8	203.8	194.0	180.2	163.7
107.5°	193.2	210.1	222.9	233.8	241.0	245.3	241.0	233.8	222.9	210.1	193.2
110°	216.3	230.1	243.9	253.8	261.0	263.7	261.0	253.8	243.9	230.1	216.3



TEST NUMBER: P1428057

CATALOG NUMBER: SQ2W-PP3-K-050U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	235.8	251.2	265.0	274.8	283.1	286.8	283.1	274.8	265.0	251.2	235.8
115°	263.0	283.4	295.9	305.1	311.0	314.3	311.0	305.1	295.9	283.4	263.0
117.5°	285.6	306.9	320.6	327.7	330.5	332.8	330.5	327.7	320.6	306.9	285.6
120°	299.8	319.6	335.3	344.5	347.8	349.1	347.8	344.5	335.3	319.6	299.8
122.5°	313.0	331.7	346.9	358.2	363.6	364.9	363.6	358.2	346.9	331.7	313.0
125°	331.4	349.1	364.9	376.1	382.0	385.3	382.0	376.1	364.9	349.1	331.4
127.5°	347.4	366.6	381.1	391.2	397.0	399.6	397.0	391.2	381.1	366.6	347.4
130°	356.4	376.1	390.6	401.7	407.0	409.6	407.0	401.7	390.6	376.1	356.4
132.5°	363.2	384.0	399.0	409.1	414.9	417.5	414.9	409.1	399.0	384.0	363.2
135°	371.5	393.2	409.0	418.8	424.1	426.7	424.1	418.8	409.0	393.2	371.5
137.5°	378.7	398.5	414.9	425.3	430.0	431.7	430.0	425.3	414.9	398.5	378.7
140°	384.0	401.1	417.5	427.4	432.7	433.3	432.7	427.4	417.5	401.1	384.0
142.5°	390.8	404.2	418.6	428.4	433.7	434.9	433.7	428.4	418.6	404.2	390.8
145°	403.1	411.0	420.8	430.0	434.6	435.9	434.6	430.0	420.8	411.0	403.1
147.5°	418.4	420.9	426.1	432.1	436.6	437.5	436.6	432.1	426.1	420.9	418.4
150°	430.0	429.4	431.3	435.3	439.2	438.6	439.2	435.3	431.3	429.4	430.0
152.5°	443.2	439.4	439.2	441.1	442.9	442.8	442.9	441.1	439.2	439.4	443.2
155°	465.5	458.3	454.3	453.0	453.0	452.4	453.0	453.0	454.3	458.3	465.5
157.5°	490.1	480.0	474.1	470.9	470.0	468.6	470.0	470.9	474.1	480.0	490.1
160°	507.0	495.8	489.9	484.6	482.6	480.7	482.6	484.6	489.9	495.8	507.0
162.5°	522.7	512.1	505.6	500.9	498.9	495.9	498.9	500.9	505.6	512.1	522.7
165°	548.4	537.2	530.0	526.0	523.4	520.8	523.4	526.0	530.0	537.2	548.4
167.5°	574.0	561.8	557.1	552.6	550.1	545.4	550.1	552.6	557.1	561.8	574.0
170°	589.8	578.6	576.0	572.0	567.4	562.2	567.4	572.0	576.0	578.6	589.8
172.5°	603.5	596.0	593.4	589.4	588.0	583.8	588.0	589.4	593.4	596.0	603.5
175°	623.3	617.4	617.4	616.8	614.8	610.8	614.8	616.8	617.4	617.4	623.3
177.5°	639.9	636.7	638.9	638.9	638.3	634.6	638.3	638.9	638.9	636.7	639.9
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1428057

CATALOG NUMBER: SQ2W-PP3-K-050U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2284.6	2284.6	2284.6	2284.6
2.5°	2293.0	2296.4	2281.9	2267.3
5°	2291.9	2294.6	2276.3	2258.1
7.5°	2284.3	2286.7	2268.1	2249.4
10°	2273.4	2275.8	2259.7	2243.6
12.5°	2254.7	2256.7	2241.4	2226.2
15°	2223.5	2223.2	2209.2	2195.3
17.5°	2191.1	2187.2	2170.2	2153.3
20°	2167.9	2161.2	2140.8	2120.4
22.5°	2142.2	2133.3	2109.5	2085.6
25°	2097.9	2080.7	2057.1	2033.5
27.5°	2048.9	2019.4	1996.0	1972.6
30°	2010.9	1977.1	1954.6	1932.0
32.5°	1964.6	1928.6	1905.2	1881.8
35°	1888.6	1846.7	1824.2	1801.6
37.5°	1807.4	1760.5	1734.9	1709.4
40°	1753.3	1706.4	1673.1	1639.8
42.5°	1695.4	1657.6	1614.9	1572.2
45°	1592.3	1569.2	1518.8	1468.4
47.5°	1451.0	1457.4	1407.5	1357.7
50°	1342.8	1376.8	1329.6	1282.4
52.5°	1230.1	1281.5	1239.5	1197.4
55°	1066.6	1123.0	1094.0	1065.0
57.5°	902.1	946.4	926.0	905.6
60°	791.3	831.6	815.5	799.4
62.5°	689.6	731.5	717.2	702.8
65°	553.9	597.9	583.9	570.0
67.5°	442.6	484.0	468.8	453.5
70°	377.6	416.2	400.1	384.0
72.5°	322.8	356.5	341.3	326.0
75°	245.5	269.9	258.1	246.3
77.5°	177.7	193.7	186.2	178.7
80°	135.2	146.5	143.3	140.1
82.5°	96.6	103.1	104.2	105.3
85°	49.1	51.3	53.4	55.5
87.5°	16.5	18.8	18.3	17.8
90°	11.8	7.2	4.6	2.0
92.5°	25.5	17.8	12.5	7.2
95°	51.3	40.8	28.9	20.4
97.5°	81.7	64.7	53.0	38.9
100°	98.0	81.5	70.4	55.2
102.5°	115.9	102.0	86.7	71.5
105°	147.9	130.8	113.1	96.0
107.5°	177.7	158.9	137.6	122.2
110°	196.6	176.2	153.9	140.1



TEST NUMBER: P1428057

CATALOG NUMBER: SQ2W-PP3-K-050U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	215.0	194.1	171.2	157.4
115°	240.0	217.0	195.9	184.1
117.5°	264.1	240.4	218.2	208.8
120°	278.8	255.1	233.4	226.2
122.5°	290.9	267.7	247.6	244.6
125°	309.0	285.4	268.3	272.2
127.5°	323.8	302.1	291.3	300.1
130°	332.7	313.6	307.1	319.6
132.5°	340.6	325.7	322.8	340.1
135°	352.4	343.9	346.5	370.2
137.5°	366.5	363.2	372.0	401.9
140°	375.4	377.4	389.9	423.4
142.5°	387.5	392.1	408.3	444.0
145°	406.4	416.2	437.3	472.8
147.5°	427.7	440.4	466.4	502.9
150°	441.9	458.3	485.9	520.8
152.5°	458.2	475.1	502.7	538.1
155°	483.3	502.3	531.3	561.5
157.5°	508.9	528.4	556.0	582.4
160°	524.7	545.7	570.7	595.1
162.5°	542.6	562.1	583.9	605.6
165°	568.8	584.5	602.3	620.7
167.5°	590.7	603.9	617.8	632.1
170°	604.9	615.4	627.3	638.5
172.5°	617.0	625.4	634.1	643.7
175°	633.2	637.8	643.1	649.0
177.5°	645.7	647.3	648.8	651.5
180°	650.9	650.9	650.9	650.9



TEST NUMBER: P1428057
 CATALOG NUMBER: SQ2W-PP3-K-050U-125D-L935-UNV-STD-W-WM-4

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	22.08	23.17	22.79	23.90	24.76	17.85	18.94	18.56	19.67	20.53
	3H	23.16	24.13	23.89	24.87	25.76	19.18	20.15	19.91	20.89	21.79
	4H	23.54	24.45	24.28	25.20	26.11	19.75	20.66	20.49	21.41	22.32
	6H	23.74	24.59	24.50	25.34	26.26	20.12	20.96	20.88	21.72	22.64
	8H	23.81	24.61	24.58	25.39	26.31	20.26	21.06	21.03	21.84	22.76
	12H	23.84	24.60	24.61	25.37	26.32	20.30	21.06	21.07	21.83	22.78
4H	2H	22.23	23.14	22.98	23.89	24.80	18.79	19.70	19.54	20.45	21.36
	3H	23.54	24.30	24.30	25.08	26.01	20.23	20.99	21.00	21.77	22.70
	4H	24.06	24.74	24.84	25.53	26.48	20.86	21.55	21.64	22.33	23.29
	6H	24.39	24.98	25.18	25.79	26.75	21.32	21.91	22.12	22.72	23.68
	8H	24.50	25.05	25.30	25.86	26.83	21.50	22.05	22.29	22.85	23.83
	12H	24.56	25.05	25.37	25.88	26.86	21.56	22.05	22.37	22.88	23.86
8H	4H	24.10	24.65	24.89	25.45	26.43	21.19	21.74	21.99	22.55	23.52
	6H	24.52	24.97	25.34	25.82	26.79	21.76	22.21	22.58	23.06	24.03
	8H	24.70	25.10	25.53	25.95	26.94	22.00	22.41	22.84	23.26	24.25
	12H	24.80	25.16	25.64	26.00	27.04	22.11	22.47	22.95	23.31	24.36
12H	4H	24.06	24.56	24.88	25.39	26.37	21.21	21.71	22.03	22.53	23.51
	6H	24.51	24.92	25.35	25.76	26.75	21.82	22.23	22.66	23.07	24.06
	8H	24.71	25.07	25.55	25.91	26.96	22.11	22.47	22.95	23.30	24.35