

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: P1428079

Luminaire Tested: SQ2W-PP3-K-075U-125D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428079
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-075U-125D-L840-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 750 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

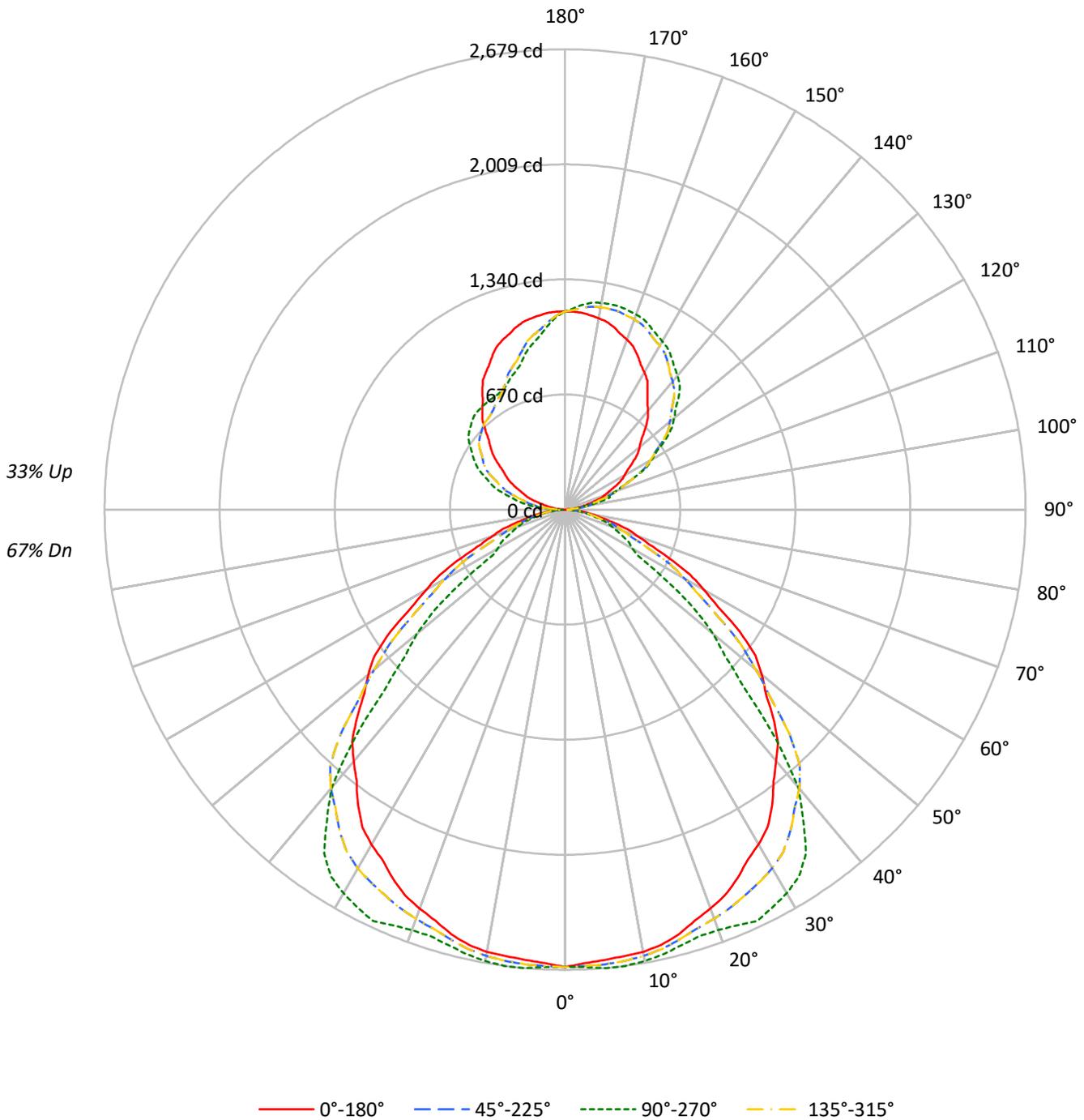
Lumens per Lamp: N/A
Luminaire Lumens: 10075.5 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 72.8
Input Voltage (V): 120
Input Current (A_{in}): 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					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	111	111	111	111	105	105	105	105	93	93	93	82	82	82	71	71	71	67				
1	102	98	94	91	96	93	89	86	82	80	78	73	71	69	64	63	62	58				
2	94	86	81	75	88	82	77	72	73	69	65	65	62	59	57	55	53	49				
3	86	77	69	64	81	73	66	61	65	60	56	58	54	51	51	48	46	42				
4	79	68	60	54	74	65	58	52	58	52	48	52	47	44	46	43	40	37				
5	73	61	53	47	68	58	51	45	52	46	42	47	42	38	42	38	35	32				
6	67	55	47	41	63	52	45	40	47	41	37	43	38	34	38	34	31	28				
7	62	50	42	36	58	47	40	35	43	37	33	39	34	30	35	31	28	25				
8	58	45	38	32	54	43	36	31	39	33	29	36	31	27	32	28	25	23				
9	54	42	34	29	51	40	33	28	36	30	26	33	28	24	30	25	23	20				
10	50	38	31	26	48	36	30	25	33	28	24	30	25	22	27	23	20	19				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	42988	42988	42988	42988
5°	42651	43426	42651	43426
10°	42867	43744	42867	43744
15°	42764	43845	42764	43845
20°	42458	44731	42458	44731
25°	42217	47081	42217	47081
30°	41977	48064	41977	48064
35°	41383	48152	41383	48152
40°	40279	44490	40279	44490
45°	39072	33866	39072	33866
50°	37539	28208	37539	28208
55°	34938	20281	34938	20281
60°	30082	14541	30082	14541
65°	25375	14300	25375	14300
70°	21125	13685	21125	13685
75°	17910	12819	17910	12819
80°	15174	11511	15174	11511
85°	11986	6261	11986	6261

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 42744 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.5	2.5
10°-20°	733.7	7.3
20°-30°	1149.5	11.4
30°-40°	1418.0	14.1
40°-50°	1335.0	13.2
50°-60°	945.3	9.4
60°-70°	538.6	5.3
70°-80°	266.6	2.6
80°-90°	69.9	0.7
90°-100°	91.7	0.9
100°-110°	267.5	2.7
110°-120°	436.5	4.3
120°-130°	553.9	5.5
130°-140°	592.7	5.9
140°-150°	553.5	5.5
150°-160°	455.4	4.5
160°-170°	305.4	3.0
170°-180°	108.5	1.1
0°-30°	2136.8	21.2
0°-40°	3554.8	35.3
0°-60°	5835.1	57.9
0°-90°	6710.3	66.6
90°-120°	795.8	7.9
90°-150°	2495.9	24.8
90°-180°	3365.0	33.4
0°-180°	10075.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2662	2662	2662	2662	2662	
5°	2632	2679	2632	2679	2632	251
15°	2558	2623	2558	2623	2558	721
25°	2370	2643	2370	2643	2370	1092
35°	2100	2443	2100	2443	2100	1309
45°	1711	1483	1711	1483	1711	1317
55°	1241	720	1241	720	1241	1095
65°	664	374	664	374	664	667
75°	287	206	287	206	287	311
85°	65	34	65	34	65	76
90°	4	26	4	50	4	6
95°	36	27	36	157	36	44
105°	170	272	170	375	170	181
115°	326	452	326	556	326	321
125°	482	716	482	682	482	431
135°	655	937	655	756	655	506
145°	837	1080	837	772	837	524
155°	994	1174	994	801	994	457
165°	1099	1224	1099	922	1099	309
175°	1149	1198	1149	1082	1149	109
180°	1153	1153	1153	1153	1153	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5
2.5°	2642.3	2659.3	2676.3	2672.3	2661.3	2656.8	2658.8	2660.8	2662.8	2664.8	2662.8
5°	2631.6	2652.8	2674.1	2671.0	2659.7	2655.3	2657.8	2661.9	2670.7	2679.4	2670.7
7.5°	2621.4	2643.2	2665.0	2662.1	2651.1	2647.8	2652.0	2657.9	2668.7	2679.4	2668.7
10°	2614.7	2633.4	2652.2	2649.4	2639.4	2637.5	2643.8	2650.6	2659.4	2668.2	2659.4
12.5°	2594.4	2612.2	2629.9	2627.6	2618.6	2618.2	2626.5	2634.6	2642.4	2650.1	2642.4
15°	2558.4	2574.6	2590.9	2591.2	2586.2	2589.3	2600.6	2610.6	2616.9	2623.1	2616.9
17.5°	2509.4	2529.2	2548.9	2553.5	2553.0	2560.8	2576.8	2590.4	2596.9	2603.4	2596.9
20°	2471.1	2494.9	2518.7	2526.5	2529.0	2540.2	2560.3	2578.4	2590.9	2603.4	2590.9
22.5°	2430.6	2458.4	2486.1	2496.5	2501.0	2518.2	2548.3	2576.2	2597.7	2619.2	2597.7
25°	2369.8	2397.3	2424.9	2444.9	2462.4	2493.0	2536.8	2577.8	2610.3	2642.8	2610.3
27.5°	2298.9	2326.2	2353.4	2387.8	2424.6	2467.6	2516.9	2560.3	2586.1	2611.9	2586.1
30°	2251.6	2277.9	2304.1	2343.5	2387.3	2434.9	2486.1	2530.6	2554.3	2578.1	2554.3
32.5°	2193.1	2220.3	2247.6	2289.5	2336.3	2387.3	2442.6	2489.5	2511.3	2533.1	2511.3
35°	2099.6	2125.9	2152.2	2200.9	2257.2	2314.2	2371.7	2418.0	2430.5	2443.0	2430.5
37.5°	1992.1	2021.9	2051.7	2106.4	2169.4	2217.1	2249.4	2273.7	2274.5	2275.2	2274.5
40°	1911.1	1949.8	1988.6	2043.3	2103.4	2136.5	2142.8	2143.4	2127.1	2110.9	2127.1
42.5°	1832.2	1882.0	1931.8	1975.8	2017.8	2026.4	2001.7	1965.0	1892.7	1820.4	1892.7
45°	1711.2	1770.0	1828.8	1855.7	1872.0	1816.9	1690.6	1583.3	1533.3	1483.2	1533.3
47.5°	1582.3	1640.4	1698.4	1691.0	1661.7	1578.4	1441.0	1329.4	1294.9	1260.3	1294.9
50°	1494.5	1549.5	1604.6	1564.9	1493.6	1399.7	1283.4	1188.0	1155.5	1123.0	1155.5
52.5°	1395.4	1444.5	1493.5	1433.5	1337.2	1238.4	1137.1	1048.7	999.2	949.6	999.2
55°	1241.2	1275.0	1308.7	1243.1	1144.3	1035.4	916.6	815.6	768.0	720.5	768.0
57.5°	1055.4	1079.2	1103.0	1051.3	974.5	866.3	726.7	608.7	555.4	502.1	555.4
60°	931.6	950.4	969.1	922.2	853.4	750.2	612.6	502.9	476.6	450.3	476.6
62.5°	819.0	835.8	852.5	803.6	732.8	640.6	527.1	439.6	430.3	421.1	430.3
65°	664.2	680.5	696.7	645.5	571.7	499.7	429.7	376.8	375.6	374.3	375.6
67.5°	528.6	546.3	564.1	515.8	445.5	392.3	356.3	328.9	327.4	325.9	327.4
70°	447.5	466.3	485.0	440.0	373.7	330.5	310.5	294.9	292.4	289.9	292.4
72.5°	380.0	397.7	415.5	376.2	317.9	282.3	269.3	259.1	257.6	256.1	257.6
75°	287.1	300.8	314.6	286.1	243.6	219.2	213.0	208.0	206.7	205.5	206.7
77.5°	208.3	217.0	225.8	207.1	179.4	163.9	160.6	157.9	156.6	155.4	156.6
80°	163.2	167.0	170.7	157.6	138.8	128.8	127.6	126.3	125.1	123.8	125.1
82.5°	122.7	121.5	120.2	112.6	102.8	97.3	96.1	94.6	92.3	90.1	92.3
85°	64.7	62.2	59.7	57.2	54.7	51.0	46.0	41.3	37.5	33.8	37.5
87.5°	21.0	21.9	23.1	20.2	15.9	13.2	12.2	11.6	11.9	11.9	11.9
90°	3.5	8.1	14.0	18.6	22.1	23.3	23.3	24.4	25.6	25.6	25.6
92.5°	12.8	20.3	20.5	20.5	24.9	27.0	28.9	29.1	30.3	30.3	30.3
95°	36.1	39.6	59.4	58.2	39.6	31.4	26.8	26.8	26.8	26.8	26.8
97.5°	68.9	74.0	77.3	103.6	109.4	105.7	86.2	72.4	64.7	61.2	64.7
100°	97.8	100.1	107.1	108.3	137.4	165.3	151.3	133.9	128.1	124.6	128.1
102.5°	126.7	128.1	138.8	143.7	150.4	166.2	214.7	209.3	205.4	204.7	205.4
105°	170.0	171.1	190.9	200.2	204.9	204.9	203.7	227.0	264.3	272.4	264.3
107.5°	216.3	221.7	244.9	269.9	275.2	276.6	270.6	267.1	265.7	266.6	265.7
110°	248.0	256.1	284.1	315.5	323.6	326.0	323.6	320.2	317.8	317.8	317.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	278.7	290.6	322.3	358.3	372.1	379.1	373.9	371.4	369.1	370.9	369.1
115°	326.0	343.4	385.4	422.6	450.5	454.0	452.9	452.9	451.7	451.7	451.7
117.5°	369.7	397.7	444.7	488.0	520.4	529.7	534.4	533.0	531.6	533.9	531.6
120°	400.5	433.1	486.6	535.5	567.0	580.9	585.6	583.3	585.6	583.3	585.6
122.5°	433.1	473.1	525.8	576.5	613.5	629.4	635.0	635.4	635.9	634.5	635.9
125°	482.0	530.9	592.6	645.0	683.4	702.0	706.7	707.8	710.2	716.0	710.2
127.5°	531.3	586.8	654.5	705.0	744.4	767.0	774.2	776.8	781.6	784.2	781.6
130°	565.8	628.7	697.4	745.1	783.5	808.0	820.8	824.3	830.1	828.9	830.1
132.5°	602.1	667.8	737.4	787.0	822.6	848.9	859.9	869.9	872.0	873.6	872.0
135°	655.4	726.5	796.3	845.2	879.0	904.6	918.6	927.9	933.7	937.2	933.7
137.5°	711.6	786.5	853.6	897.1	931.1	953.2	969.1	978.9	984.9	987.7	984.9
140°	749.7	821.9	887.1	932.5	962.8	984.9	998.9	1010.5	1017.5	1017.5	1017.5
142.5°	786.1	857.3	920.6	966.1	992.6	1012.9	1027.8	1036.6	1044.5	1044.5	1044.5
145°	837.1	908.1	966.3	1011.7	1033.8	1052.4	1068.7	1075.7	1080.4	1080.4	1080.4
147.5°	890.4	953.2	1006.3	1049.9	1068.5	1090.4	1103.2	1108.8	1114.6	1112.0	1114.6
150°	922.0	980.3	1031.5	1072.2	1090.9	1111.8	1124.6	1129.3	1135.1	1131.6	1135.1
152.5°	952.8	1008.2	1054.8	1092.7	1108.6	1129.5	1144.2	1148.8	1152.8	1150.2	1152.8
155°	994.2	1043.1	1086.2	1121.1	1135.1	1154.9	1168.9	1174.7	1179.3	1173.5	1179.3
157.5°	1031.2	1073.4	1110.9	1143.0	1157.9	1174.9	1187.9	1195.2	1199.8	1197.3	1199.8
160°	1053.6	1092.0	1125.8	1156.1	1170.0	1185.2	1199.1	1207.3	1211.9	1208.4	1211.9
162.5°	1072.2	1106.9	1138.8	1166.3	1178.4	1191.7	1208.4	1215.7	1220.3	1215.9	1220.3
165°	1099.0	1126.9	1154.9	1178.2	1188.6	1199.1	1216.6	1224.7	1228.2	1223.6	1228.2
167.5°	1119.3	1140.7	1163.3	1183.3	1191.0	1201.2	1218.7	1225.4	1229.9	1224.0	1229.9
170°	1130.4	1149.1	1168.9	1185.2	1191.0	1200.3	1217.8	1223.6	1227.1	1221.2	1227.1
172.5°	1139.8	1153.7	1169.8	1184.2	1187.3	1194.7	1211.2	1217.1	1219.6	1214.7	1219.6
175°	1149.1	1157.2	1168.9	1178.2	1177.0	1181.7	1195.6	1200.3	1204.9	1198.0	1204.9
177.5°	1153.5	1157.2	1160.9	1166.5	1162.8	1162.8	1173.0	1175.8	1176.8	1173.0	1176.8
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5
2.5°	2660.8	2658.8	2656.8	2661.3	2672.3	2676.3	2659.3	2642.3	2659.3	2676.3	2672.3
5°	2661.9	2657.8	2655.3	2659.7	2671.0	2674.1	2652.8	2631.6	2652.8	2674.1	2671.0
7.5°	2657.9	2652.0	2647.8	2651.1	2662.1	2665.0	2643.2	2621.4	2643.2	2665.0	2662.1
10°	2650.6	2643.8	2637.5	2639.4	2649.4	2652.2	2633.4	2614.7	2633.4	2652.2	2649.4
12.5°	2634.6	2626.5	2618.2	2618.6	2627.6	2629.9	2612.2	2594.4	2612.2	2629.9	2627.6
15°	2610.6	2600.6	2589.3	2586.2	2591.2	2590.9	2574.6	2558.4	2574.6	2590.9	2591.2
17.5°	2590.4	2576.8	2560.8	2553.0	2553.5	2548.9	2529.2	2509.4	2529.2	2548.9	2553.5
20°	2578.4	2560.3	2540.2	2529.0	2526.5	2518.7	2494.9	2471.1	2494.9	2518.7	2526.5
22.5°	2576.2	2548.3	2518.2	2501.0	2496.5	2486.1	2458.4	2430.6	2458.4	2486.1	2496.5
25°	2577.8	2536.8	2493.0	2462.4	2444.9	2424.9	2397.3	2369.8	2397.3	2424.9	2444.9
27.5°	2560.3	2516.9	2467.6	2424.6	2387.8	2353.4	2326.2	2298.9	2326.2	2353.4	2387.8
30°	2530.6	2486.1	2434.9	2387.3	2343.5	2304.1	2277.9	2251.6	2277.9	2304.1	2343.5
32.5°	2489.5	2442.6	2387.3	2336.3	2289.5	2247.6	2220.3	2193.1	2220.3	2247.6	2289.5
35°	2418.0	2371.7	2314.2	2257.2	2200.9	2152.2	2125.9	2099.6	2125.9	2152.2	2200.9
37.5°	2273.7	2249.4	2217.1	2169.4	2106.4	2051.7	2021.9	1992.1	2021.9	2051.7	2106.4
40°	2143.4	2142.8	2136.5	2103.4	2043.3	1988.6	1949.8	1911.1	1949.8	1988.6	2043.3
42.5°	1965.0	2001.7	2026.4	2017.8	1975.8	1931.8	1882.0	1832.2	1882.0	1931.8	1975.8
45°	1583.3	1690.6	1816.9	1872.0	1855.7	1828.8	1770.0	1711.2	1770.0	1828.8	1855.7
47.5°	1329.4	1441.0	1578.4	1661.7	1691.0	1698.4	1640.4	1582.3	1640.4	1698.4	1691.0
50°	1188.0	1283.4	1399.7	1493.6	1564.9	1604.6	1549.5	1494.5	1549.5	1604.6	1564.9
52.5°	1048.7	1137.1	1238.4	1337.2	1433.5	1493.5	1444.5	1395.4	1444.5	1493.5	1433.5
55°	815.6	916.6	1035.4	1144.3	1243.1	1308.7	1275.0	1241.2	1275.0	1308.7	1243.1
57.5°	608.7	726.7	866.3	974.5	1051.3	1103.0	1079.2	1055.4	1079.2	1103.0	1051.3
60°	502.9	612.6	750.2	853.4	922.2	969.1	950.4	931.6	950.4	969.1	922.2
62.5°	439.6	527.1	640.6	732.8	803.6	852.5	835.8	819.0	835.8	852.5	803.6
65°	376.8	429.7	499.7	571.7	645.5	696.7	680.5	664.2	680.5	696.7	645.5
67.5°	328.9	356.3	392.3	445.5	515.8	564.1	546.3	528.6	546.3	564.1	515.8
70°	294.9	310.5	330.5	373.7	440.0	485.0	466.3	447.5	466.3	485.0	440.0
72.5°	259.1	269.3	282.3	317.9	376.2	415.5	397.7	380.0	397.7	415.5	376.2
75°	208.0	213.0	219.2	243.6	286.1	314.6	300.8	287.1	300.8	314.6	286.1
77.5°	157.9	160.6	163.9	179.4	207.1	225.8	217.0	208.3	217.0	225.8	207.1
80°	126.3	127.6	128.8	138.8	157.6	170.7	167.0	163.2	167.0	170.7	157.6
82.5°	94.6	96.1	97.3	102.8	112.6	120.2	121.5	122.7	121.5	120.2	112.6
85°	41.3	46.0	51.0	54.7	57.2	59.7	62.2	64.7	62.2	59.7	57.2
87.5°	11.6	12.2	13.2	15.9	20.2	23.1	21.9	21.0	21.9	22.8	20.7
90°	24.4	23.3	23.3	22.1	18.6	14.0	8.1	3.5	8.1	12.8	21.0
92.5°	29.1	28.9	27.0	24.9	20.5	20.5	20.3	12.8	22.1	31.4	45.2
95°	26.8	26.8	31.4	39.6	58.2	59.4	39.6	36.1	51.2	72.2	90.8
97.5°	72.4	86.2	105.7	109.4	103.6	77.3	74.0	68.9	93.8	114.6	144.6
100°	133.9	151.3	165.3	137.4	108.3	107.1	100.1	97.8	124.6	144.4	173.5
102.5°	209.3	214.7	166.2	150.4	143.7	138.8	128.1	126.7	153.4	180.7	205.1
105°	227.0	203.7	204.9	204.9	200.2	190.9	171.1	170.0	200.2	231.7	261.9
107.5°	267.1	270.6	276.6	275.2	269.9	244.9	221.7	216.3	243.6	281.3	314.6
110°	320.2	323.6	326.0	323.6	315.5	284.1	256.1	248.0	272.4	312.0	348.1



TEST NUMBER: P1428079

CATALOG NUMBER: SQ2W-PP3-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	371.4	373.9	379.1	372.1	358.3	322.3	290.6	278.7	303.2	343.7	380.7
115°	452.9	452.9	454.0	450.5	422.6	385.4	343.4	326.0	346.9	384.2	424.9
117.5°	533.0	534.4	529.7	520.4	488.0	444.7	397.7	369.7	386.3	425.6	467.5
120°	583.3	585.6	580.9	567.0	535.5	486.6	433.1	400.5	413.3	451.7	493.6
122.5°	635.4	635.0	629.4	613.5	576.5	525.8	473.1	433.1	438.4	474.1	515.0
125°	707.8	706.7	702.0	683.4	645.0	592.6	530.9	482.0	475.0	505.3	547.2
127.5°	776.8	774.2	767.0	744.4	705.0	654.5	586.8	531.3	515.7	534.8	573.3
130°	824.3	820.8	808.0	783.5	745.1	697.4	628.7	565.8	543.7	555.3	589.1
132.5°	869.9	859.9	848.9	822.6	787.0	737.4	667.8	602.1	571.6	576.7	603.1
135°	927.9	918.6	904.6	879.0	845.2	796.3	726.5	655.4	613.5	608.9	624.0
137.5°	978.9	969.1	953.2	931.1	897.1	853.6	786.5	711.6	658.7	643.1	648.9
140°	1010.5	998.9	984.9	962.8	932.5	887.1	821.9	749.7	690.4	668.3	664.8
142.5°	1036.6	1027.8	1012.9	992.6	966.1	920.6	857.3	786.1	723.0	694.3	686.2
145°	1075.7	1068.7	1052.4	1033.8	1011.7	966.3	908.1	837.1	774.2	736.9	719.5
147.5°	1108.8	1103.2	1090.4	1068.5	1049.9	1006.3	953.2	890.4	825.9	779.8	757.2
150°	1129.3	1124.6	1111.8	1090.9	1072.2	1031.5	980.3	922.0	860.3	811.4	782.3
152.5°	1148.8	1144.2	1129.5	1108.6	1092.7	1054.8	1008.2	952.8	890.1	841.3	811.2
155°	1174.7	1168.9	1154.9	1135.1	1121.1	1086.2	1043.1	994.2	940.7	889.4	855.7
157.5°	1195.2	1187.9	1174.9	1157.9	1143.0	1110.9	1073.4	1031.2	984.4	935.6	901.1
160°	1207.3	1199.1	1185.2	1170.0	1156.1	1125.8	1092.0	1053.6	1010.5	966.3	929.0
162.5°	1215.7	1208.4	1191.7	1178.4	1166.3	1138.8	1106.9	1072.2	1033.8	995.2	960.7
165°	1224.7	1216.6	1199.1	1188.6	1178.2	1154.9	1126.9	1099.0	1066.4	1035.0	1007.0
167.5°	1225.4	1218.7	1201.2	1191.0	1183.3	1163.3	1140.7	1119.3	1093.9	1069.2	1045.9
170°	1223.6	1217.8	1200.3	1191.0	1185.2	1168.9	1149.1	1130.4	1110.6	1089.7	1071.1
172.5°	1217.1	1211.2	1194.7	1187.3	1184.2	1169.8	1153.7	1139.8	1122.8	1107.4	1092.5
175°	1200.3	1195.6	1181.7	1177.0	1178.2	1168.9	1157.2	1149.1	1138.6	1129.3	1121.1
177.5°	1175.8	1173.0	1162.8	1162.8	1166.5	1160.9	1157.2	1153.5	1148.8	1146.0	1143.2
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1428079

CATALOG NUMBER: SQ2W-PP3-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5
2.5°	2661.3	2656.8	2658.8	2660.8	2662.8	2664.8	2662.8	2660.8	2658.8	2656.8	2661.3
5°	2659.7	2655.3	2657.8	2661.9	2670.7	2679.4	2670.7	2661.9	2657.8	2655.3	2659.7
7.5°	2651.1	2647.8	2652.0	2657.9	2668.7	2679.4	2668.7	2657.9	2652.0	2647.8	2651.1
10°	2639.4	2637.5	2643.8	2650.6	2659.4	2668.2	2659.4	2650.6	2643.8	2637.5	2639.4
12.5°	2618.6	2618.2	2626.5	2634.6	2642.4	2650.1	2642.4	2634.6	2626.5	2618.2	2618.6
15°	2586.2	2589.3	2600.6	2610.6	2616.9	2623.1	2616.9	2610.6	2600.6	2589.3	2586.2
17.5°	2553.0	2560.8	2576.8	2590.4	2596.9	2603.4	2596.9	2590.4	2576.8	2560.8	2553.0
20°	2529.0	2540.2	2560.3	2578.4	2590.9	2603.4	2590.9	2578.4	2560.3	2540.2	2529.0
22.5°	2501.0	2518.2	2548.3	2576.2	2597.7	2619.2	2597.7	2576.2	2548.3	2518.2	2501.0
25°	2462.4	2493.0	2536.8	2577.8	2610.3	2642.8	2610.3	2577.8	2536.8	2493.0	2462.4
27.5°	2424.6	2467.6	2516.9	2560.3	2586.1	2611.9	2586.1	2560.3	2516.9	2467.6	2424.6
30°	2387.3	2434.9	2486.1	2530.6	2554.3	2578.1	2554.3	2530.6	2486.1	2434.9	2387.3
32.5°	2336.3	2387.3	2442.6	2489.5	2511.3	2533.1	2511.3	2489.5	2442.6	2387.3	2336.3
35°	2257.2	2314.2	2371.7	2418.0	2430.5	2443.0	2430.5	2418.0	2371.7	2314.2	2257.2
37.5°	2169.4	2217.1	2249.4	2273.7	2274.5	2275.2	2274.5	2273.7	2249.4	2217.1	2169.4
40°	2103.4	2136.5	2142.8	2143.4	2127.1	2110.9	2127.1	2143.4	2142.8	2136.5	2103.4
42.5°	2017.8	2026.4	2001.7	1965.0	1892.7	1820.4	1892.7	1965.0	2001.7	2026.4	2017.8
45°	1872.0	1816.9	1690.6	1583.3	1533.3	1483.2	1533.3	1583.3	1690.6	1816.9	1872.0
47.5°	1661.7	1578.4	1441.0	1329.4	1294.9	1260.3	1294.9	1329.4	1441.0	1578.4	1661.7
50°	1493.6	1399.7	1283.4	1188.0	1155.5	1123.0	1155.5	1188.0	1283.4	1399.7	1493.6
52.5°	1337.2	1238.4	1137.1	1048.7	999.2	949.6	999.2	1048.7	1137.1	1238.4	1337.2
55°	1144.3	1035.4	916.6	815.6	768.0	720.5	768.0	815.6	916.6	1035.4	1144.3
57.5°	974.5	866.3	726.7	608.7	555.4	502.1	555.4	608.7	726.7	866.3	974.5
60°	853.4	750.2	612.6	502.9	476.6	450.3	476.6	502.9	612.6	750.2	853.4
62.5°	732.8	640.6	527.1	439.6	430.3	421.1	430.3	439.6	527.1	640.6	732.8
65°	571.7	499.7	429.7	376.8	375.6	374.3	375.6	376.8	429.7	499.7	571.7
67.5°	445.5	392.3	356.3	328.9	327.4	325.9	327.4	328.9	356.3	392.3	445.5
70°	373.7	330.5	310.5	294.9	292.4	289.9	292.4	294.9	310.5	330.5	373.7
72.5°	317.9	282.3	269.3	259.1	257.6	256.1	257.6	259.1	269.3	282.3	317.9
75°	243.6	219.2	213.0	208.0	206.7	205.5	206.7	208.0	213.0	219.2	243.6
77.5°	179.4	163.9	160.6	157.9	156.6	155.4	156.6	157.9	160.6	163.9	179.4
80°	138.8	128.8	127.6	126.3	125.1	123.8	125.1	126.3	127.6	128.8	138.8
82.5°	102.8	97.3	96.1	94.6	92.3	90.1	92.3	94.6	96.1	97.3	102.8
85°	54.7	51.0	46.0	41.3	37.5	33.8	37.5	41.3	46.0	51.0	54.7
87.5°	16.9	15.5	16.1	16.3	17.2	16.8	17.2	16.3	16.1	15.5	16.9
90°	26.8	34.9	43.1	47.7	52.4	50.1	52.4	47.7	43.1	34.9	26.8
92.5°	53.8	67.5	77.5	85.9	89.6	89.2	89.6	85.9	77.5	67.5	53.8
95°	108.3	124.6	140.9	152.5	159.5	157.2	159.5	152.5	140.9	124.6	108.3
97.5°	166.9	188.8	207.0	217.9	224.9	229.6	224.9	217.9	207.0	188.8	166.9
100°	206.1	227.0	248.0	260.8	272.4	277.1	272.4	260.8	248.0	227.0	206.1
102.5°	237.7	265.2	288.0	301.8	311.5	316.2	311.5	301.8	288.0	265.2	237.7
105°	289.9	319.0	343.4	360.9	371.4	374.9	371.4	360.9	343.4	319.0	289.9
107.5°	342.0	372.1	394.7	414.0	426.8	434.2	426.8	414.0	394.7	372.1	342.0
110°	383.0	407.5	431.9	449.4	462.2	466.8	462.2	449.4	431.9	407.5	383.0



TEST NUMBER: P1428079

CATALOG NUMBER: SQ2W-PP3-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	417.5	444.7	469.2	486.6	501.3	507.8	501.3	486.6	469.2	444.7	417.5
115°	465.7	501.8	523.9	540.2	550.7	556.5	550.7	540.2	523.9	501.8	465.7
117.5°	505.7	543.4	567.7	580.2	585.1	589.3	585.1	580.2	567.7	543.4	505.7
120°	530.9	565.8	593.7	610.0	615.9	618.2	615.9	610.0	593.7	565.8	530.9
122.5°	554.2	587.2	614.2	634.3	643.8	646.1	643.8	634.3	614.2	587.2	554.2
125°	586.8	618.2	646.1	665.9	676.4	682.2	676.4	665.9	646.1	618.2	586.8
127.5°	615.2	649.2	674.8	692.7	702.9	707.6	702.9	692.7	674.8	649.2	615.2
130°	631.0	665.9	691.5	711.3	720.6	725.3	720.6	711.3	691.5	665.9	631.0
132.5°	643.1	679.9	706.4	724.4	734.6	739.3	734.6	724.4	706.4	679.9	643.1
135°	657.8	696.2	724.1	741.6	750.9	755.6	750.9	741.6	724.1	696.2	657.8
137.5°	670.6	705.5	734.6	753.0	761.4	764.4	761.4	753.0	734.6	705.5	670.6
140°	679.9	710.2	739.3	756.7	766.0	767.2	766.0	756.7	739.3	710.2	679.9
142.5°	692.0	715.7	741.1	758.6	767.9	770.0	767.9	758.6	741.1	715.7	692.0
145°	713.7	727.6	745.1	761.4	769.5	771.9	769.5	761.4	745.1	727.6	713.7
147.5°	740.9	745.3	754.4	765.1	773.0	774.7	773.0	765.1	754.4	745.3	740.9
150°	761.4	760.2	763.7	770.7	777.7	776.5	777.7	770.7	763.7	760.2	761.4
152.5°	784.7	777.9	777.7	780.9	784.2	784.0	784.2	780.9	777.7	777.9	784.7
155°	824.3	811.4	804.5	802.1	802.1	801.0	802.1	802.1	804.5	811.4	824.3
157.5°	867.8	849.9	839.4	833.8	832.2	829.6	832.2	833.8	839.4	849.9	867.8
160°	897.6	877.8	867.3	858.0	854.5	851.0	854.5	858.0	867.3	877.8	897.6
162.5°	925.5	906.7	895.3	886.9	883.4	878.0	883.4	886.9	895.3	906.7	925.5
165°	970.9	951.2	938.3	931.4	926.7	922.0	926.7	931.4	938.3	951.2	970.9
167.5°	1016.3	994.7	986.3	978.4	974.0	965.6	974.0	978.4	986.3	994.7	1016.3
170°	1044.3	1024.5	1019.8	1012.9	1004.7	995.4	1004.7	1012.9	1019.8	1024.5	1044.3
172.5°	1068.5	1055.2	1050.6	1043.6	1041.0	1033.6	1041.0	1043.6	1050.6	1055.2	1068.5
175°	1103.7	1093.2	1093.2	1092.0	1088.5	1081.5	1088.5	1092.0	1093.2	1093.2	1103.7
177.5°	1133.0	1127.4	1131.1	1131.1	1130.2	1123.7	1130.2	1131.1	1131.1	1127.4	1133.0
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1428079

CATALOG NUMBER: SQ2W-PP3-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2662.5	2662.5	2662.5	2662.5
2.5°	2672.3	2676.3	2659.3	2642.3
5°	2671.0	2674.1	2652.8	2631.6
7.5°	2662.1	2665.0	2643.2	2621.4
10°	2649.4	2652.2	2633.4	2614.7
12.5°	2627.6	2629.9	2612.2	2594.4
15°	2591.2	2590.9	2574.6	2558.4
17.5°	2553.5	2548.9	2529.2	2509.4
20°	2526.5	2518.7	2494.9	2471.1
22.5°	2496.5	2486.1	2458.4	2430.6
25°	2444.9	2424.9	2397.3	2369.8
27.5°	2387.8	2353.4	2326.2	2298.9
30°	2343.5	2304.1	2277.9	2251.6
32.5°	2289.5	2247.6	2220.3	2193.1
35°	2200.9	2152.2	2125.9	2099.6
37.5°	2106.4	2051.7	2021.9	1992.1
40°	2043.3	1988.6	1949.8	1911.1
42.5°	1975.8	1931.8	1882.0	1832.2
45°	1855.7	1828.8	1770.0	1711.2
47.5°	1691.0	1698.4	1640.4	1582.3
50°	1564.9	1604.6	1549.5	1494.5
52.5°	1433.5	1493.5	1444.5	1395.4
55°	1243.1	1308.7	1275.0	1241.2
57.5°	1051.3	1103.0	1079.2	1055.4
60°	922.2	969.1	950.4	931.6
62.5°	803.6	852.5	835.8	819.0
65°	645.5	696.7	680.5	664.2
67.5°	515.8	564.1	546.3	528.6
70°	440.0	485.0	466.3	447.5
72.5°	376.2	415.5	397.7	380.0
75°	286.1	314.6	300.8	287.1
77.5°	207.1	225.8	217.0	208.3
80°	157.6	170.7	167.0	163.2
82.5°	112.6	120.2	121.5	122.7
85°	57.2	59.7	62.2	64.7
87.5°	20.7	22.8	21.9	21.0
90°	21.0	12.8	8.1	3.5
92.5°	45.2	31.4	22.1	12.8
95°	90.8	72.2	51.2	36.1
97.5°	144.6	114.6	93.8	68.9
100°	173.5	144.4	124.6	97.8
102.5°	205.1	180.7	153.4	126.7
105°	261.9	231.7	200.2	170.0
107.5°	314.6	281.3	243.6	216.3
110°	348.1	312.0	272.4	248.0

TEST NUMBER: P1428079

CATALOG NUMBER: SQ2W-PP3-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	380.7	343.7	303.2	278.7
115°	424.9	384.2	346.9	326.0
117.5°	467.5	425.6	386.3	369.7
120°	493.6	451.7	413.3	400.5
122.5°	515.0	474.1	438.4	433.1
125°	547.2	505.3	475.0	482.0
127.5°	573.3	534.8	515.7	531.3
130°	589.1	555.3	543.7	565.8
132.5°	603.1	576.7	571.6	602.1
135°	624.0	608.9	613.5	655.4
137.5°	648.9	643.1	658.7	711.6
140°	664.8	668.3	690.4	749.7
142.5°	686.2	694.3	723.0	786.1
145°	719.5	736.9	774.2	837.1
147.5°	757.2	779.8	825.9	890.4
150°	782.3	811.4	860.3	922.0
152.5°	811.2	841.3	890.1	952.8
155°	855.7	889.4	940.7	994.2
157.5°	901.1	935.6	984.4	1031.2
160°	929.0	966.3	1010.5	1053.6
162.5°	960.7	995.2	1033.8	1072.2
165°	1007.0	1035.0	1066.4	1099.0
167.5°	1045.9	1069.2	1093.9	1119.3
170°	1071.1	1089.7	1110.6	1130.4
172.5°	1092.5	1107.4	1122.8	1139.8
175°	1121.1	1129.3	1138.6	1149.1
177.5°	1143.2	1146.0	1148.8	1153.5
180°	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1428079
 CATALOG NUMBER: SQ2W-PP3-K-075U-125D-L840-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	21.95	22.93	22.75	23.76	24.77	17.72	18.70	18.52	19.53	20.54
	3H	23.02	23.90	23.84	24.73	25.78	19.04	19.92	19.86	20.75	21.80
	4H	23.39	24.22	24.23	25.06	26.12	19.60	20.43	20.44	21.27	22.33
	6H	23.59	24.36	24.44	25.21	26.27	19.97	20.73	20.82	21.58	22.65
	8H	23.66	24.38	24.52	25.25	26.32	20.10	20.83	20.96	21.70	22.77
	12H	23.68	24.37	24.55	25.24	26.33	20.14	20.83	21.01	21.70	22.79
4H	2H	22.08	22.91	22.92	23.75	24.81	18.64	19.47	19.49	20.32	21.37
	3H	23.39	24.07	24.24	24.95	26.02	20.08	20.76	20.93	21.64	22.71
	4H	23.90	24.52	24.77	25.40	26.50	20.70	21.33	21.57	22.20	23.30
	6H	24.22	24.76	25.10	25.66	26.76	21.16	21.69	22.04	22.59	23.69
	8H	24.33	24.84	25.22	25.73	26.84	21.33	21.83	22.21	22.72	23.84
	12H	24.38	24.84	25.29	25.75	26.87	21.38	21.84	22.29	22.75	23.87
8H	4H	23.93	24.43	24.81	25.32	26.44	21.02	21.52	21.91	22.42	23.53
	6H	24.35	24.76	25.26	25.69	26.81	21.59	22.00	22.50	22.93	24.05
	8H	24.53	24.89	25.45	25.82	26.95	21.83	22.20	22.76	23.13	24.26
	12H	24.63	24.95	25.55	25.87	27.05	21.94	22.26	22.86	23.18	24.37
12H	4H	23.89	24.34	24.80	25.26	26.38	21.04	21.49	21.94	22.40	23.52
	6H	24.34	24.71	25.26	25.63	26.76	21.65	22.02	22.57	22.95	24.08
	8H	24.54	24.86	25.46	25.78	26.97	21.93	22.26	22.86	23.18	24.36