

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: P1428034

Luminaire Tested: SQ2W-PP3-K-025U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428034  
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-025U-125D-L940-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 250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

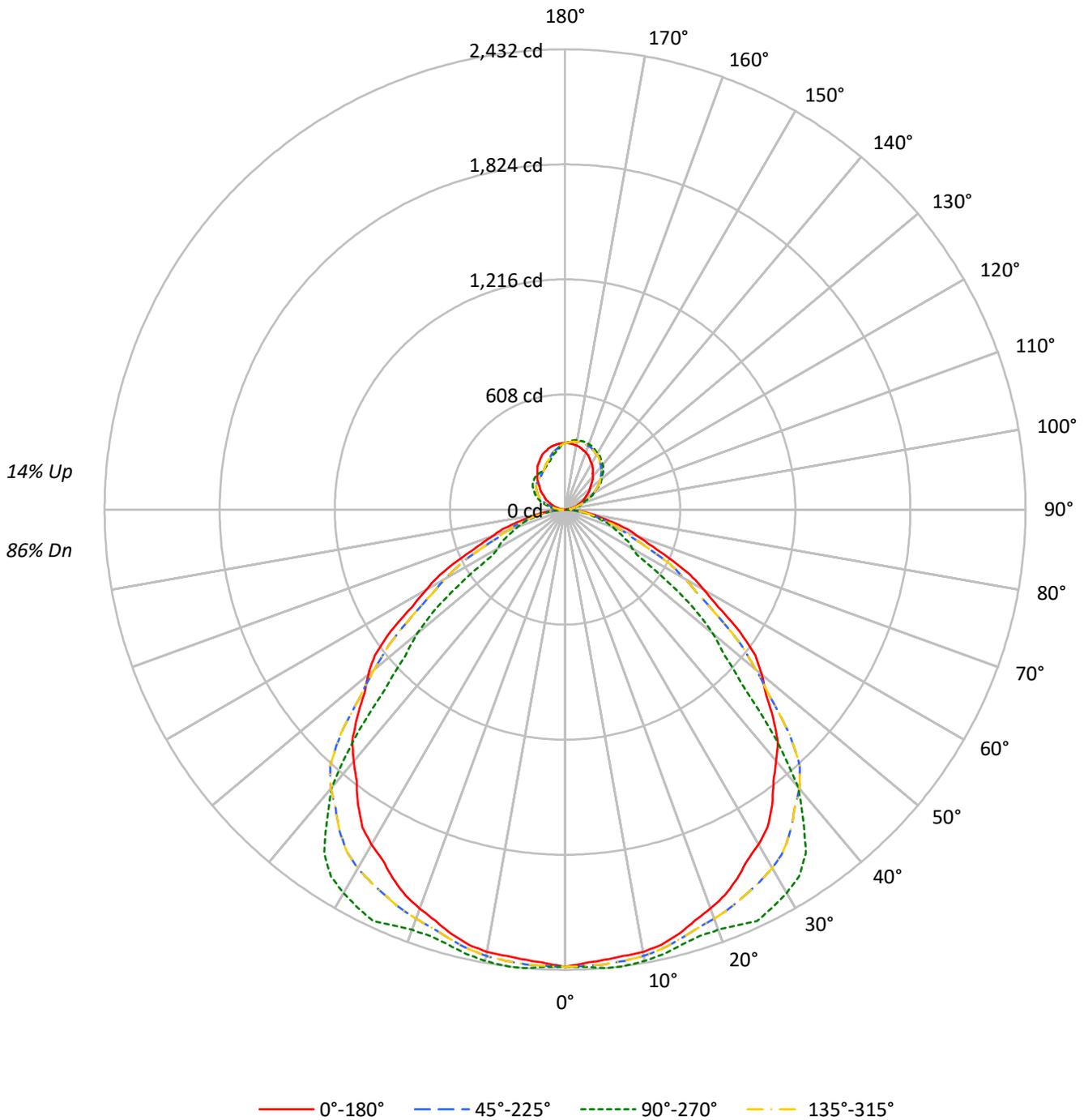
Lumens per Lamp: N/A  
Luminaire Lumens: 7111.6 lumens  
Efficiency: N/A  
Efficacy: 125.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 56.7  
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				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	0
RCR																		
0	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86
1	107	103	99	95	103	99	96	93	92	89	87	86	84	82	80	78	77	74
2	98	91	85	79	94	88	82	77	82	77	73	76	73	70	72	69	66	63
3	90	80	73	67	86	78	71	66	73	67	63	68	64	60	64	60	57	55
4	83	72	64	58	79	70	62	57	65	59	54	61	56	52	58	53	50	47
5	76	64	56	50	73	62	55	49	59	52	47	55	50	46	52	48	44	41
6	71	58	50	44	68	57	49	43	53	47	42	50	45	40	48	43	39	37
7	65	53	45	39	63	51	44	38	49	42	37	46	40	36	44	39	35	33
8	61	48	40	35	59	47	39	34	44	38	33	42	36	32	40	35	31	29
9	57	44	37	31	55	43	36	31	41	34	30	39	33	29	37	32	28	26
10	53	41	33	28	51	40	33	28	38	32	27	36	30	26	34	29	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	39017	39017	39017	39017
5°	38711	39414	38711	39414
10°	38908	39703	38908	39703
15°	38814	39797	38814	39797
20°	38537	40600	38537	40600
25°	38318	42732	38318	42732
30°	38101	43625	38101	43625
35°	37561	43705	37561	43705
40°	36557	40381	36557	40381
45°	35465	30740	35465	30740
50°	34073	25603	34073	25603
55°	31713	18409	31713	18409
60°	27305	13197	27305	13197
65°	23033	12982	23033	12982
70°	19175	12420	19175	12420
75°	16257	11634	16257	11634
80°	13779	10451	13779	10451
85°	10893	5687	10893	5687

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 38796 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.1	3.2
10°-20°	666.0	9.4
20°-30°	1043.3	14.7
30°-40°	1287.0	18.1
40°-50°	1211.7	17.0
50°-60°	858.0	12.1
60°-70°	488.9	6.9
70°-80°	242.0	3.4
80°-90°	60.6	0.9
90°-100°	27.9	0.4
100°-110°	81.4	1.1
110°-120°	132.8	1.9
120°-130°	168.5	2.4
130°-140°	180.3	2.5
140°-150°	168.4	2.4
150°-160°	138.6	1.9
160°-170°	92.9	1.3
170°-180°	33.0	0.5
0°-30°	1939.4	27.3
0°-40°	3226.5	45.4
0°-60°	5296.2	74.5
0°-90°	6087.7	85.6
90°-120°	242.1	3.4
90°-150°	759.4	10.7
90°-180°	1024.0	14.4
0°-180°	7111.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2417	2417	2417	2417	2417	
5°	2388	2432	2388	2432	2388	228
15°	2322	2381	2322	2381	2322	654
25°	2151	2399	2151	2399	2151	991
35°	1906	2217	1906	2217	1906	1188
45°	1553	1346	1553	1346	1553	1196
55°	1127	654	1127	654	1127	994
65°	603	340	603	340	603	605
75°	261	186	261	186	261	282
85°	59	31	59	31	59	69
90°	1	8	1	15	1	3
95°	11	8	11	48	11	13
105°	52	83	52	114	52	55
115°	99	137	99	169	99	98
125°	147	218	147	208	147	131
135°	199	285	199	230	199	154
145°	255	329	255	235	255	159
155°	302	357	302	244	302	139
165°	334	372	334	280	334	94
175°	350	364	350	329	350	33
180°	351	351	351	351	351	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6
2.5°	2398.2	2413.7	2429.1	2425.5	2415.5	2411.4	2413.2	2415.0	2416.8	2418.7	2416.8
5°	2388.5	2407.8	2427.1	2424.3	2414.1	2410.1	2412.4	2416.1	2424.0	2431.9	2424.0
7.5°	2379.3	2399.1	2418.8	2416.3	2406.3	2403.2	2407.1	2412.4	2422.2	2431.9	2422.2
10°	2373.2	2390.2	2407.3	2404.7	2395.6	2393.9	2399.6	2405.8	2413.8	2421.7	2413.8
12.5°	2354.8	2370.9	2387.0	2384.9	2376.8	2376.4	2383.9	2391.3	2398.3	2405.4	2398.3
15°	2322.1	2336.9	2351.6	2351.9	2347.4	2350.2	2360.4	2369.5	2375.2	2380.9	2375.2
17.5°	2277.7	2295.6	2313.5	2317.7	2317.2	2324.3	2338.8	2351.2	2357.1	2363.0	2357.1
20°	2242.9	2264.5	2286.1	2293.1	2295.4	2305.6	2323.8	2340.3	2351.6	2363.0	2351.6
22.5°	2206.1	2231.3	2256.5	2265.9	2270.0	2285.7	2312.9	2338.2	2357.7	2377.3	2357.7
25°	2150.9	2175.9	2200.9	2219.1	2235.0	2262.8	2302.5	2339.7	2369.2	2398.7	2369.2
27.5°	2086.6	2111.3	2136.1	2167.3	2200.7	2239.7	2284.5	2323.9	2347.2	2370.6	2347.2
30°	2043.7	2067.5	2091.3	2127.1	2166.8	2210.0	2256.5	2296.8	2318.4	2340.0	2318.4
32.5°	1990.5	2015.3	2040.0	2078.1	2120.5	2166.8	2217.0	2259.6	2279.4	2299.1	2279.4
35°	1905.7	1929.5	1953.4	1997.7	2048.8	2100.4	2152.6	2194.7	2206.0	2217.4	2206.0
37.5°	1808.1	1835.1	1862.2	1911.8	1969.1	2012.3	2041.6	2063.7	2064.4	2065.1	2064.4
40°	1734.5	1769.7	1804.9	1854.6	1909.1	1939.2	1944.9	1945.4	1930.7	1915.9	1930.7
42.5°	1663.0	1708.2	1753.4	1793.3	1831.5	1839.3	1816.8	1783.5	1717.9	1652.3	1717.9
45°	1553.2	1606.5	1659.9	1684.3	1699.1	1649.1	1534.4	1437.1	1391.7	1346.3	1391.7
47.5°	1436.2	1488.9	1541.5	1534.8	1508.2	1432.6	1307.9	1206.6	1175.3	1143.9	1175.3
50°	1356.5	1406.4	1456.4	1420.3	1355.6	1270.5	1164.9	1078.3	1048.8	1019.3	1048.8
52.5°	1266.6	1311.1	1355.6	1301.1	1213.7	1124.0	1032.0	951.8	906.9	861.9	906.9
55°	1126.6	1157.2	1187.9	1128.3	1038.6	939.8	831.9	740.3	697.1	654.0	697.1
57.5°	958.0	979.5	1001.1	954.2	884.5	786.3	659.6	552.5	504.1	455.7	504.1
60°	845.6	862.6	879.6	837.0	774.6	680.9	556.0	456.4	432.6	408.7	432.6
62.5°	743.4	758.6	773.8	729.4	665.2	581.5	478.4	399.0	390.6	382.2	390.6
65°	602.9	617.6	632.4	585.8	518.9	453.6	390.0	342.0	340.9	339.8	340.9
67.5°	479.7	495.9	512.0	468.2	404.4	356.1	323.4	298.5	297.2	295.8	297.2
70°	406.2	423.2	440.2	399.4	339.2	300.0	281.9	267.7	265.4	263.1	265.4
72.5°	344.9	361.0	377.1	341.5	288.6	256.2	244.4	235.2	233.8	232.5	233.8
75°	260.6	273.1	285.5	259.7	221.1	199.0	193.3	188.8	187.6	186.5	187.6
77.5°	189.0	197.0	204.9	188.0	162.8	148.7	145.8	143.3	142.1	141.0	142.1
80°	148.2	151.6	155.0	143.1	126.0	116.9	115.8	114.7	113.5	112.4	113.5
82.5°	111.4	110.2	109.1	102.2	93.3	88.3	87.2	85.8	83.8	81.7	83.8
85°	58.8	56.5	54.2	51.9	49.7	46.3	41.7	37.5	34.1	30.7	34.1
87.5°	18.6	18.9	19.2	16.1	11.8	9.1	8.2	7.6	7.7	7.7	7.7
90°	1.1	2.5	4.3	5.7	6.7	7.1	7.1	7.4	7.8	7.8	7.8
92.5°	3.9	6.2	6.2	6.2	7.6	8.2	8.8	8.9	9.2	9.2	9.2
95°	11.0	12.0	18.1	17.7	12.0	9.6	8.1	8.1	8.1	8.1	8.1
97.5°	21.0	22.5	23.5	31.5	33.3	32.2	26.2	22.0	19.7	18.6	19.7
100°	29.8	30.5	32.6	32.9	41.8	50.3	46.0	40.7	39.0	37.9	39.0
102.5°	38.5	39.0	42.2	43.7	45.8	50.6	65.3	63.7	62.5	62.3	62.5
105°	51.7	52.1	58.1	60.9	62.3	62.3	62.0	69.1	80.4	82.9	80.4
107.5°	65.8	67.4	74.5	82.1	83.7	84.2	82.3	81.3	80.8	81.1	80.8
110°	75.4	77.9	86.4	96.0	98.5	99.2	98.5	97.4	96.7	96.7	96.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	84.8	88.4	98.0	109.0	113.2	115.3	113.8	113.0	112.3	112.9	112.3
115°	99.2	104.5	117.2	128.6	137.1	138.1	137.8	137.8	137.4	137.4	137.4
117.5°	112.5	121.0	135.3	148.5	158.3	161.2	162.6	162.2	161.7	162.4	161.7
120°	121.9	131.8	148.1	162.9	172.5	176.8	178.2	177.5	178.2	177.5	178.2
122.5°	131.8	144.0	160.0	175.4	186.7	191.5	193.2	193.3	193.5	193.1	193.5
125°	146.6	161.5	180.3	196.2	207.9	213.6	215.0	215.4	216.1	217.8	216.1
127.5°	161.7	178.5	199.1	214.5	226.5	233.4	235.6	236.3	237.8	238.6	237.8
130°	172.2	191.3	212.2	226.7	238.4	245.8	249.7	250.8	252.6	252.2	252.6
132.5°	183.2	203.2	224.4	239.5	250.3	258.3	261.6	264.7	265.3	265.8	265.3
135°	199.4	221.0	242.3	257.2	267.4	275.2	279.5	282.3	284.1	285.1	284.1
137.5°	216.5	239.3	259.7	273.0	283.3	290.0	294.9	297.8	299.7	300.5	299.7
140°	228.1	250.1	269.9	283.7	292.9	299.7	303.9	307.5	309.6	309.6	309.6
142.5°	239.2	260.9	280.1	293.9	302.0	308.2	312.7	315.4	317.8	317.8	317.8
145°	254.7	276.3	294.0	307.8	314.6	320.2	325.2	327.3	328.7	328.7	328.7
147.5°	270.9	290.0	306.2	319.4	325.1	331.8	335.7	337.4	339.1	338.4	339.1
150°	280.5	298.3	313.8	326.2	331.9	338.3	342.2	343.6	345.4	344.3	345.4
152.5°	289.9	306.8	320.9	332.5	337.3	343.7	348.1	349.5	350.8	350.0	350.8
155°	302.5	317.4	330.5	341.1	345.4	351.4	355.6	357.4	358.8	357.1	358.8
157.5°	313.8	326.6	338.0	347.8	352.3	357.5	361.4	363.6	365.1	364.3	365.1
160°	320.6	332.3	342.5	351.7	356.0	360.6	364.9	367.3	368.7	367.7	368.7
162.5°	326.2	336.8	346.5	354.9	358.5	362.6	367.7	369.9	371.3	370.0	371.3
165°	334.4	342.9	351.4	358.5	361.7	364.9	370.2	372.6	373.7	372.3	373.7
167.5°	340.6	347.1	353.9	360.0	362.4	365.5	370.8	372.9	374.2	372.4	374.2
170°	344.0	349.6	355.6	360.6	362.4	365.2	370.5	372.3	373.4	371.6	373.4
172.5°	346.8	351.0	355.9	360.3	361.2	363.5	368.5	370.3	371.1	369.6	371.1
175°	349.6	352.1	355.6	358.5	358.1	359.5	363.8	365.2	366.6	364.5	366.6
177.5°	351.0	352.1	353.2	354.9	353.8	353.8	356.9	357.8	358.0	356.9	358.0
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6
2.5°	2415.0	2413.2	2411.4	2415.5	2425.5	2429.1	2413.7	2398.2	2413.7	2429.1	2425.5
5°	2416.1	2412.4	2410.1	2414.1	2424.3	2427.1	2407.8	2388.5	2407.8	2427.1	2424.3
7.5°	2412.4	2407.1	2403.2	2406.3	2416.3	2418.8	2399.1	2379.3	2399.1	2418.8	2416.3
10°	2405.8	2399.6	2393.9	2395.6	2404.7	2407.3	2390.2	2373.2	2390.2	2407.3	2404.7
12.5°	2391.3	2383.9	2376.4	2376.8	2384.9	2387.0	2370.9	2354.8	2370.9	2387.0	2384.9
15°	2369.5	2360.4	2350.2	2347.4	2351.9	2351.6	2336.9	2322.1	2336.9	2351.6	2351.9
17.5°	2351.2	2338.8	2324.3	2317.2	2317.7	2313.5	2295.6	2277.7	2295.6	2313.5	2317.7
20°	2340.3	2323.8	2305.6	2295.4	2293.1	2286.1	2264.5	2242.9	2264.5	2286.1	2293.1
22.5°	2338.2	2312.9	2285.7	2270.0	2265.9	2256.5	2231.3	2206.1	2231.3	2256.5	2265.9
25°	2339.7	2302.5	2262.8	2235.0	2219.1	2200.9	2175.9	2150.9	2175.9	2200.9	2219.1
27.5°	2323.9	2284.5	2239.7	2200.7	2167.3	2136.1	2111.3	2086.6	2111.3	2136.1	2167.3
30°	2296.8	2256.5	2210.0	2166.8	2127.1	2091.3	2067.5	2043.7	2067.5	2091.3	2127.1
32.5°	2259.6	2217.0	2166.8	2120.5	2078.1	2040.0	2015.3	1990.5	2015.3	2040.0	2078.1
35°	2194.7	2152.6	2100.4	2048.8	1997.7	1953.4	1929.5	1905.7	1929.5	1953.4	1997.7
37.5°	2063.7	2041.6	2012.3	1969.1	1911.8	1862.2	1835.1	1808.1	1835.1	1862.2	1911.8
40°	1945.4	1944.9	1939.2	1909.1	1854.6	1804.9	1769.7	1734.5	1769.7	1804.9	1854.6
42.5°	1783.5	1816.8	1839.3	1831.5	1793.3	1753.4	1708.2	1663.0	1708.2	1753.4	1793.3
45°	1437.1	1534.4	1649.1	1699.1	1684.3	1659.9	1606.5	1553.2	1606.5	1659.9	1684.3
47.5°	1206.6	1307.9	1432.6	1508.2	1534.8	1541.5	1488.9	1436.2	1488.9	1541.5	1534.8
50°	1078.3	1164.9	1270.5	1355.6	1420.3	1456.4	1406.4	1356.5	1406.4	1456.4	1420.3
52.5°	951.8	1032.0	1124.0	1213.7	1301.1	1355.6	1311.1	1266.6	1311.1	1355.6	1301.1
55°	740.3	831.9	939.8	1038.6	1128.3	1187.9	1157.2	1126.6	1157.2	1187.9	1128.3
57.5°	552.5	659.6	786.3	884.5	954.2	1001.1	979.5	958.0	979.5	1001.1	954.2
60°	456.4	556.0	680.9	774.6	837.0	879.6	862.6	845.6	862.6	879.6	837.0
62.5°	399.0	478.4	581.5	665.2	729.4	773.8	758.6	743.4	758.6	773.8	729.4
65°	342.0	390.0	453.6	518.9	585.8	632.4	617.6	602.9	617.6	632.4	585.8
67.5°	298.5	323.4	356.1	404.4	468.2	512.0	495.9	479.7	495.9	512.0	468.2
70°	267.7	281.9	300.0	339.2	399.4	440.2	423.2	406.2	423.2	440.2	399.4
72.5°	235.2	244.4	256.2	288.6	341.5	377.1	361.0	344.9	361.0	377.1	341.5
75°	188.8	193.3	199.0	221.1	259.7	285.5	273.1	260.6	273.1	285.5	259.7
77.5°	143.3	145.8	148.7	162.8	188.0	204.9	197.0	189.0	197.0	204.9	188.0
80°	114.7	115.8	116.9	126.0	143.1	155.0	151.6	148.2	151.6	155.0	143.1
82.5°	85.8	87.2	88.3	93.3	102.2	109.1	110.2	111.4	110.2	109.1	102.2
85°	37.5	41.7	46.3	49.7	51.9	54.2	56.5	58.8	56.5	54.2	51.9
87.5°	7.6	8.2	9.1	11.8	16.1	19.2	18.9	18.6	18.9	19.2	16.3
90°	7.4	7.1	7.1	6.7	5.7	4.3	2.5	1.1	2.5	3.9	6.4
92.5°	8.9	8.8	8.2	7.6	6.2	6.2	6.2	3.9	6.7	9.6	13.7
95°	8.1	8.1	9.6	12.0	17.7	18.1	12.0	11.0	15.6	22.0	27.6
97.5°	22.0	26.2	32.2	33.3	31.5	23.5	22.5	21.0	28.6	34.9	44.0
100°	40.7	46.0	50.3	41.8	32.9	32.6	30.5	29.8	37.9	43.9	52.8
102.5°	63.7	65.3	50.6	45.8	43.7	42.2	39.0	38.5	46.7	55.0	62.4
105°	69.1	62.0	62.3	62.3	60.9	58.1	52.1	51.7	60.9	70.5	79.7
107.5°	81.3	82.3	84.2	83.7	82.1	74.5	67.4	65.8	74.1	85.6	95.7
110°	97.4	98.5	99.2	98.5	96.0	86.4	77.9	75.4	82.9	94.9	105.9



TEST NUMBER: P1428034

CATALOG NUMBER: SQ2W-PP3-K-025U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	113.0	113.8	115.3	113.2	109.0	98.0	88.4	84.8	92.2	104.6	115.8
115°	137.8	137.8	138.1	137.1	128.6	117.2	104.5	99.2	105.6	116.9	129.3
117.5°	162.2	162.6	161.2	158.3	148.5	135.3	121.0	112.5	117.5	129.5	142.3
120°	177.5	178.2	176.8	172.5	162.9	148.1	131.8	121.9	125.7	137.4	150.2
122.5°	193.3	193.2	191.5	186.7	175.4	160.0	144.0	131.8	133.4	144.2	156.7
125°	215.4	215.0	213.6	207.9	196.2	180.3	161.5	146.6	144.5	153.7	166.5
127.5°	236.3	235.6	233.4	226.5	214.5	199.1	178.5	161.7	156.9	162.7	174.4
130°	250.8	249.7	245.8	238.4	226.7	212.2	191.3	172.2	165.4	169.0	179.2
132.5°	264.7	261.6	258.3	250.3	239.5	224.4	203.2	183.2	173.9	175.5	183.5
135°	282.3	279.5	275.2	267.4	257.2	242.3	221.0	199.4	186.7	185.3	189.9
137.5°	297.8	294.9	290.0	283.3	273.0	259.7	239.3	216.5	200.4	195.7	197.4
140°	307.5	303.9	299.7	292.9	283.7	269.9	250.1	228.1	210.1	203.3	202.3
142.5°	315.4	312.7	308.2	302.0	293.9	280.1	260.9	239.2	220.0	211.3	208.8
145°	327.3	325.2	320.2	314.6	307.8	294.0	276.3	254.7	235.6	224.2	218.9
147.5°	337.4	335.7	331.8	325.1	319.4	306.2	290.0	270.9	251.3	237.3	230.4
150°	343.6	342.2	338.3	331.9	326.2	313.8	298.3	280.5	261.8	246.9	238.0
152.5°	349.5	348.1	343.7	337.3	332.5	320.9	306.8	289.9	270.8	256.0	246.8
155°	357.4	355.6	351.4	345.4	341.1	330.5	317.4	302.5	286.2	270.6	260.4
157.5°	363.6	361.4	357.5	352.3	347.8	338.0	326.6	313.8	299.5	284.7	274.2
160°	367.3	364.9	360.6	356.0	351.7	342.5	332.3	320.6	307.5	294.0	282.7
162.5°	369.9	367.7	362.6	358.5	354.9	346.5	336.8	326.2	314.6	302.8	292.3
165°	372.6	370.2	364.9	361.7	358.5	351.4	342.9	334.4	324.5	314.9	306.4
167.5°	372.9	370.8	365.5	362.4	360.0	353.9	347.1	340.6	332.8	325.3	318.2
170°	372.3	370.5	365.2	362.4	360.6	355.6	349.6	344.0	337.9	331.6	325.9
172.5°	370.3	368.5	363.5	361.2	360.3	355.9	351.0	346.8	341.6	336.9	332.4
175°	365.2	363.8	359.5	358.1	358.5	355.6	352.1	349.6	346.4	343.6	341.1
177.5°	357.8	356.9	353.8	353.8	354.9	353.2	352.1	351.0	349.5	348.7	347.8
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1428034

CATALOG NUMBER: SQ2W-PP3-K-025U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6
2.5°	2415.5	2411.4	2413.2	2415.0	2416.8	2418.7	2416.8	2415.0	2413.2	2411.4	2415.5
5°	2414.1	2410.1	2412.4	2416.1	2424.0	2431.9	2424.0	2416.1	2412.4	2410.1	2414.1
7.5°	2406.3	2403.2	2407.1	2412.4	2422.2	2431.9	2422.2	2412.4	2407.1	2403.2	2406.3
10°	2395.6	2393.9	2399.6	2405.8	2413.8	2421.7	2413.8	2405.8	2399.6	2393.9	2395.6
12.5°	2376.8	2376.4	2383.9	2391.3	2398.3	2405.4	2398.3	2391.3	2383.9	2376.4	2376.8
15°	2347.4	2350.2	2360.4	2369.5	2375.2	2380.9	2375.2	2369.5	2360.4	2350.2	2347.4
17.5°	2317.2	2324.3	2338.8	2351.2	2357.1	2363.0	2357.1	2351.2	2338.8	2324.3	2317.2
20°	2295.4	2305.6	2323.8	2340.3	2351.6	2363.0	2351.6	2340.3	2323.8	2305.6	2295.4
22.5°	2270.0	2285.7	2312.9	2338.2	2357.7	2377.3	2357.7	2338.2	2312.9	2285.7	2270.0
25°	2235.0	2262.8	2302.5	2339.7	2369.2	2398.7	2369.2	2339.7	2302.5	2262.8	2235.0
27.5°	2200.7	2239.7	2284.5	2323.9	2347.2	2370.6	2347.2	2323.9	2284.5	2239.7	2200.7
30°	2166.8	2210.0	2256.5	2296.8	2318.4	2340.0	2318.4	2296.8	2256.5	2210.0	2166.8
32.5°	2120.5	2166.8	2217.0	2259.6	2279.4	2299.1	2279.4	2259.6	2217.0	2166.8	2120.5
35°	2048.8	2100.4	2152.6	2194.7	2206.0	2217.4	2206.0	2194.7	2152.6	2100.4	2048.8
37.5°	1969.1	2012.3	2041.6	2063.7	2064.4	2065.1	2064.4	2063.7	2041.6	2012.3	1969.1
40°	1909.1	1939.2	1944.9	1945.4	1930.7	1915.9	1930.7	1945.4	1944.9	1939.2	1909.1
42.5°	1831.5	1839.3	1816.8	1783.5	1717.9	1652.3	1717.9	1783.5	1816.8	1839.3	1831.5
45°	1699.1	1649.1	1534.4	1437.1	1391.7	1346.3	1391.7	1437.1	1534.4	1649.1	1699.1
47.5°	1508.2	1432.6	1307.9	1206.6	1175.3	1143.9	1175.3	1206.6	1307.9	1432.6	1508.2
50°	1355.6	1270.5	1164.9	1078.3	1048.8	1019.3	1048.8	1078.3	1164.9	1270.5	1355.6
52.5°	1213.7	1124.0	1032.0	951.8	906.9	861.9	906.9	951.8	1032.0	1124.0	1213.7
55°	1038.6	939.8	831.9	740.3	697.1	654.0	697.1	740.3	831.9	939.8	1038.6
57.5°	884.5	786.3	659.6	552.5	504.1	455.7	504.1	552.5	659.6	786.3	884.5
60°	774.6	680.9	556.0	456.4	432.6	408.7	432.6	456.4	556.0	680.9	774.6
62.5°	665.2	581.5	478.4	399.0	390.6	382.2	390.6	399.0	478.4	581.5	665.2
65°	518.9	453.6	390.0	342.0	340.9	339.8	340.9	342.0	390.0	453.6	518.9
67.5°	404.4	356.1	323.4	298.5	297.2	295.8	297.2	298.5	323.4	356.1	404.4
70°	339.2	300.0	281.9	267.7	265.4	263.1	265.4	267.7	281.9	300.0	339.2
72.5°	288.6	256.2	244.4	235.2	233.8	232.5	233.8	235.2	244.4	256.2	288.6
75°	221.1	199.0	193.3	188.8	187.6	186.5	187.6	188.8	193.3	199.0	221.1
77.5°	162.8	148.7	145.8	143.3	142.1	141.0	142.1	143.3	145.8	148.7	162.8
80°	126.0	116.9	115.8	114.7	113.5	112.4	113.5	114.7	115.8	116.9	126.0
82.5°	93.3	88.3	87.2	85.8	83.8	81.7	83.8	85.8	87.2	88.3	93.3
85°	49.7	46.3	41.7	37.5	34.1	30.7	34.1	37.5	41.7	46.3	49.7
87.5°	12.1	9.8	9.4	9.0	9.3	9.2	9.3	9.0	9.4	9.8	12.1
90°	8.1	10.6	13.1	14.5	15.9	15.2	15.9	14.5	13.1	10.6	8.1
92.5°	16.4	20.5	23.6	26.1	27.3	27.1	27.3	26.1	23.6	20.5	16.4
95°	32.9	37.9	42.9	46.4	48.5	47.8	48.5	46.4	42.9	37.9	32.9
97.5°	50.8	57.5	63.0	66.3	68.4	69.9	68.4	66.3	63.0	57.5	50.8
100°	62.7	69.1	75.4	79.3	82.9	84.3	82.9	79.3	75.4	69.1	62.7
102.5°	72.3	80.7	87.6	91.8	94.8	96.2	94.8	91.8	87.6	80.7	72.3
105°	88.2	97.1	104.5	109.8	113.0	114.1	113.0	109.8	104.5	97.1	88.2
107.5°	104.1	113.2	120.1	126.0	129.9	132.1	129.9	126.0	120.1	113.2	104.1
110°	116.5	124.0	131.4	136.7	140.6	142.0	140.6	136.7	131.4	124.0	116.5



TEST NUMBER: P1428034

CATALOG NUMBER: SQ2W-PP3-K-025U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	127.0	135.3	142.8	148.1	152.5	154.5	152.5	148.1	142.8	135.3	127.0
115°	141.7	152.7	159.4	164.4	167.5	169.3	167.5	164.4	159.4	152.7	141.7
117.5°	153.9	165.4	172.7	176.5	178.0	179.3	178.0	176.5	172.7	165.4	153.9
120°	161.5	172.2	180.7	185.6	187.4	188.1	187.4	185.6	180.7	172.2	161.5
122.5°	168.6	178.7	186.9	193.0	195.9	196.6	195.9	193.0	186.9	178.7	168.6
125°	178.5	188.1	196.6	202.6	205.8	207.6	205.8	202.6	196.6	188.1	178.5
127.5°	187.2	197.5	205.3	210.8	213.9	215.3	213.9	210.8	205.3	197.5	187.2
130°	192.0	202.6	210.4	216.4	219.3	220.7	219.3	216.4	210.4	202.6	192.0
132.5°	195.7	206.9	214.9	220.4	223.5	224.9	223.5	220.4	214.9	206.9	195.7
135°	200.1	211.8	220.3	225.6	228.5	229.9	228.5	225.6	220.3	211.8	200.1
137.5°	204.0	214.7	223.5	229.1	231.7	232.6	231.7	229.1	223.5	214.7	204.0
140°	206.9	216.1	224.9	230.2	233.1	233.4	233.1	230.2	224.9	216.1	206.9
142.5°	210.6	217.8	225.5	230.8	233.6	234.3	233.6	230.8	225.5	217.8	210.6
145°	217.1	221.4	226.7	231.7	234.1	234.9	234.1	231.7	226.7	221.4	217.1
147.5°	225.4	226.8	229.5	232.8	235.2	235.7	235.2	232.8	229.5	226.8	225.4
150°	231.7	231.3	232.4	234.5	236.6	236.3	236.6	234.5	232.4	231.3	231.7
152.5°	238.7	236.7	236.6	237.6	238.6	238.5	238.6	237.6	236.6	236.7	238.7
155°	250.8	246.9	244.8	244.1	244.1	243.7	244.1	244.1	244.8	246.9	250.8
157.5°	264.0	258.6	255.4	253.7	253.2	252.4	253.2	253.7	255.4	258.6	264.0
160°	273.1	267.1	263.9	261.1	260.0	258.9	260.0	261.1	263.9	267.1	273.1
162.5°	281.6	275.9	272.4	269.8	268.8	267.2	268.8	269.8	272.4	275.9	281.6
165°	295.4	289.4	285.5	283.4	282.0	280.5	282.0	283.4	285.5	289.4	295.4
167.5°	309.2	302.6	300.1	297.7	296.3	293.8	296.3	297.7	300.1	302.6	309.2
170°	317.7	311.7	310.3	308.2	305.7	302.9	305.7	308.2	310.3	311.7	317.7
172.5°	325.1	321.1	319.7	317.5	316.7	314.5	316.7	317.5	319.7	321.1	325.1
175°	335.8	332.6	332.6	332.3	331.2	329.1	331.2	332.3	332.6	332.6	335.8
177.5°	344.7	343.0	344.2	344.2	343.9	341.9	343.9	344.2	344.2	343.0	344.7
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1428034

CATALOG NUMBER: SQ2W-PP3-K-025U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2416.6	2416.6	2416.6	2416.6
2.5°	2425.5	2429.1	2413.7	2398.2
5°	2424.3	2427.1	2407.8	2388.5
7.5°	2416.3	2418.8	2399.1	2379.3
10°	2404.7	2407.3	2390.2	2373.2
12.5°	2384.9	2387.0	2370.9	2354.8
15°	2351.9	2351.6	2336.9	2322.1
17.5°	2317.7	2313.5	2295.6	2277.7
20°	2293.1	2286.1	2264.5	2242.9
22.5°	2265.9	2256.5	2231.3	2206.1
25°	2219.1	2200.9	2175.9	2150.9
27.5°	2167.3	2136.1	2111.3	2086.6
30°	2127.1	2091.3	2067.5	2043.7
32.5°	2078.1	2040.0	2015.3	1990.5
35°	1997.7	1953.4	1929.5	1905.7
37.5°	1911.8	1862.2	1835.1	1808.1
40°	1854.6	1804.9	1769.7	1734.5
42.5°	1793.3	1753.4	1708.2	1663.0
45°	1684.3	1659.9	1606.5	1553.2
47.5°	1534.8	1541.5	1488.9	1436.2
50°	1420.3	1456.4	1406.4	1356.5
52.5°	1301.1	1355.6	1311.1	1266.6
55°	1128.3	1187.9	1157.2	1126.6
57.5°	954.2	1001.1	979.5	958.0
60°	837.0	879.6	862.6	845.6
62.5°	729.4	773.8	758.6	743.4
65°	585.8	632.4	617.6	602.9
67.5°	468.2	512.0	495.9	479.7
70°	399.4	440.2	423.2	406.2
72.5°	341.5	377.1	361.0	344.9
75°	259.7	285.5	273.1	260.6
77.5°	188.0	204.9	197.0	189.0
80°	143.1	155.0	151.6	148.2
82.5°	102.2	109.1	110.2	111.4
85°	51.9	54.2	56.5	58.8
87.5°	16.3	19.2	18.9	18.6
90°	6.4	3.9	2.5	1.1
92.5°	13.7	9.6	6.7	3.9
95°	27.6	22.0	15.6	11.0
97.5°	44.0	34.9	28.6	21.0
100°	52.8	43.9	37.9	29.8
102.5°	62.4	55.0	46.7	38.5
105°	79.7	70.5	60.9	51.7
107.5°	95.7	85.6	74.1	65.8
110°	105.9	94.9	82.9	75.4

TEST NUMBER: P1428034

CATALOG NUMBER: SQ2W-PP3-K-025U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	115.8	104.6	92.2	84.8
115°	129.3	116.9	105.6	99.2
117.5°	142.3	129.5	117.5	112.5
120°	150.2	137.4	125.7	121.9
122.5°	156.7	144.2	133.4	131.8
125°	166.5	153.7	144.5	146.6
127.5°	174.4	162.7	156.9	161.7
130°	179.2	169.0	165.4	172.2
132.5°	183.5	175.5	173.9	183.2
135°	189.9	185.3	186.7	199.4
137.5°	197.4	195.7	200.4	216.5
140°	202.3	203.3	210.1	228.1
142.5°	208.8	211.3	220.0	239.2
145°	218.9	224.2	235.6	254.7
147.5°	230.4	237.3	251.3	270.9
150°	238.0	246.9	261.8	280.5
152.5°	246.8	256.0	270.8	289.9
155°	260.4	270.6	286.2	302.5
157.5°	274.2	284.7	299.5	313.8
160°	282.7	294.0	307.5	320.6
162.5°	292.3	302.8	314.6	326.2
165°	306.4	314.9	324.5	334.4
167.5°	318.2	325.3	332.8	340.6
170°	325.9	331.6	337.9	344.0
172.5°	332.4	336.9	341.6	346.8
175°	341.1	343.6	346.4	349.6
177.5°	347.8	348.7	349.5	351.0
180°	350.7	350.7	350.7	350.7



TEST NUMBER: P1428034  
 CATALOG NUMBER: SQ2W-PP3-K-025U-125D-L940-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	23.05	24.29	23.63	24.87	25.52	18.82	20.06	19.40	20.64	21.30
	3H	24.14	25.25	24.73	25.84	26.53	20.16	21.27	20.76	21.86	22.55
	4H	24.52	25.57	25.14	26.17	26.88	20.73	21.77	21.35	22.38	23.09
	6H	24.74	25.70	25.37	26.32	27.04	21.12	22.07	21.75	22.70	23.41
	8H	24.81	25.72	25.45	26.36	27.09	21.25	22.17	21.90	22.81	23.53
	12H	24.84	25.71	25.49	26.35	27.10	21.30	22.17	21.95	22.81	23.56
4H	2H	23.21	24.25	23.83	24.86	25.57	19.78	20.82	20.39	21.42	22.13
	3H	24.54	25.40	25.18	26.05	26.78	21.23	22.09	21.87	22.74	23.47
	4H	25.07	25.84	25.72	26.50	27.26	21.87	22.65	22.52	23.30	24.06
	6H	25.40	26.07	26.07	26.75	27.52	22.34	23.01	23.01	23.69	24.46
	8H	25.52	26.15	26.19	26.82	27.60	22.51	23.14	23.19	23.82	24.60
	12H	25.58	26.14	26.27	26.85	27.63	22.58	23.14	23.27	23.84	24.63
8H	4H	25.11	25.74	25.79	26.42	27.20	22.21	22.83	22.88	23.51	24.29
	6H	25.54	26.06	26.24	26.78	27.56	22.78	23.30	23.48	24.02	24.80
	8H	25.72	26.18	26.44	26.91	27.71	23.03	23.49	23.75	24.22	25.02
	12H	25.83	26.24	26.55	26.95	27.82	23.14	23.55	23.86	24.27	25.13
12H	4H	25.09	25.65	25.78	26.35	27.14	22.23	22.80	22.93	23.50	24.29
	6H	25.53	25.99	26.25	26.72	27.52	22.84	23.31	23.56	24.03	24.83
	8H	25.74	26.15	26.46	26.87	27.73	23.13	23.55	23.85	24.26	25.12