

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: P1428250

Luminaire Tested: SQ2W-PR1-K-075U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428250
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-075U-125D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

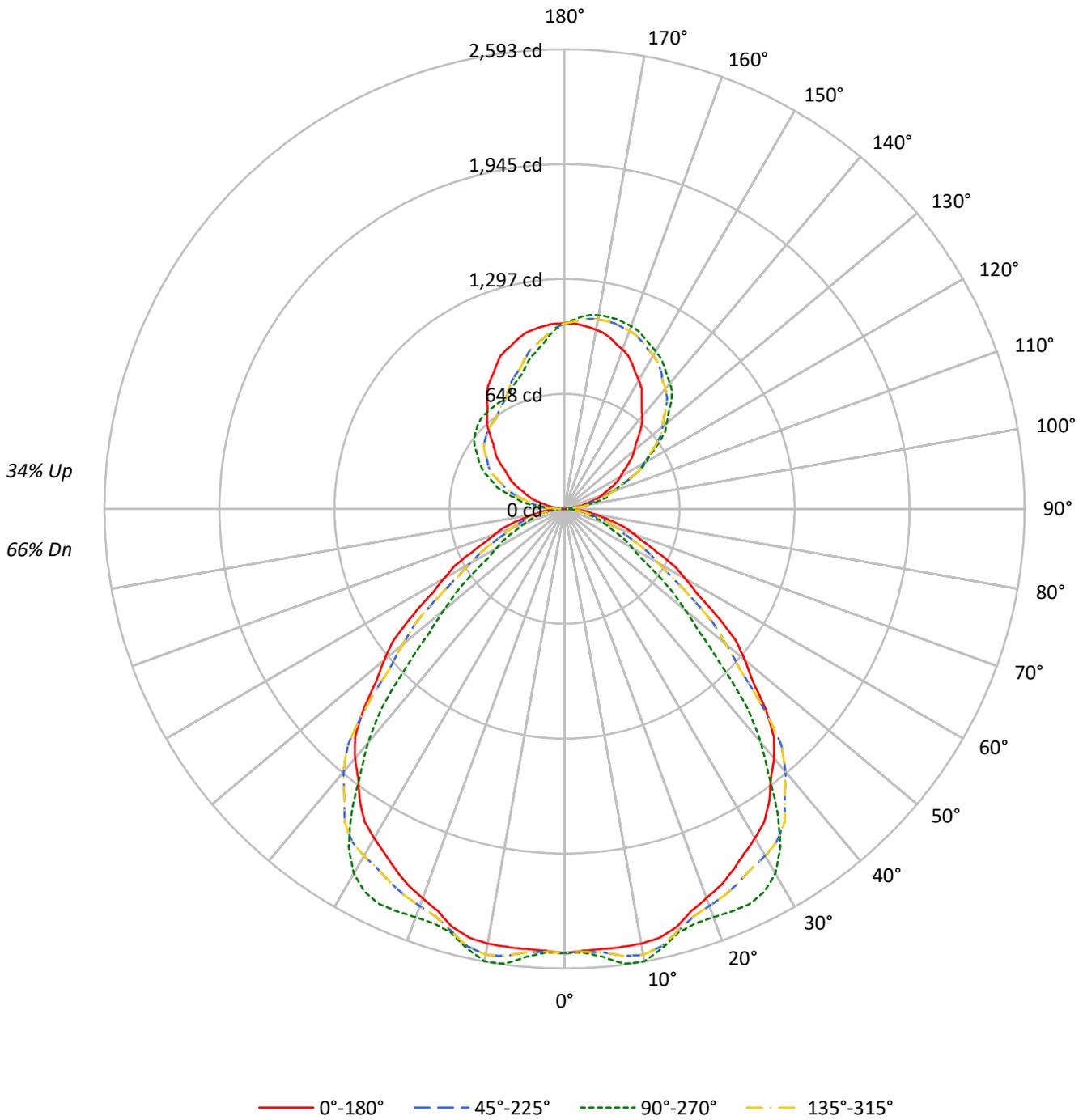
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9087.8 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
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 (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





TEST NUMBER: P1428250

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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	92	92	92	81	81	81	71	71	71	66				
1	102	98	95	91	96	93	89	87	82	80	78	73	71	70	64	63	62	58				
2	94	87	81	76	88	82	77	72	73	69	66	65	62	59	58	55	53	50				
3	86	77	70	64	81	73	67	61	65	60	56	58	54	51	52	49	46	43				
4	79	69	61	55	74	65	58	53	58	53	49	52	48	44	47	43	40	37				
5	73	62	54	48	69	59	51	46	53	47	42	47	43	39	42	39	36	33				
6	67	56	48	42	63	53	46	40	48	42	37	43	38	35	39	35	32	29				
7	63	50	42	37	59	48	41	36	44	38	33	39	34	31	35	31	28	26				
8	58	46	38	33	55	44	37	32	40	34	30	36	31	28	33	29	26	23				
9	54	42	35	30	51	40	33	29	37	31	27	33	28	25	30	26	23	21				
10	51	39	32	27	48	37	30	26	34	28	24	31	26	23	28	24	21	19				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	40461	40461	40461	40461
5°	40409	41153	40409	41153
10°	40834	42510	40834	42510
15°	40822	41377	40822	41377
20°	40161	42136	40161	42136
25°	40047	43870	40047	43870
30°	40005	44291	40005	44291
35°	39625	41237	39625	41237
40°	38711	36290	38711	36290
45°	36631	28697	36631	28697
50°	33301	22265	33301	22265
55°	29266	17331	29266	17331
60°	25326	14269	25326	14269
65°	21860	12493	21860	12493
70°	19657	11094	19657	11094
75°	18010	10199	18010	10199
80°	15676	9977	15676	9977
85°	11356	4724	11356	4724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 39326 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.0	2.7
10°-20°	700.6	7.7
20°-30°	1083.0	11.9
30°-40°	1302.4	14.3
40°-50°	1169.6	12.9
50°-60°	783.7	8.6
60°-70°	455.9	5.0
70°-80°	234.1	2.6
80°-90°	62.1	0.7
90°-100°	83.3	0.9
100°-110°	242.8	2.7
110°-120°	396.2	4.4
120°-130°	502.8	5.5
130°-140°	538.0	5.9
140°-150°	502.4	5.5
150°-160°	413.4	4.5
160°-170°	277.2	3.1
170°-180°	98.4	1.1
0°-30°	2025.6	22.3
0°-40°	3328.0	36.6
0°-60°	5281.2	58.1
0°-90°	6033.3	66.4
90°-120°	722.3	7.9
90°-150°	2265.4	24.9
90°-180°	3054.0	33.6
0°-180°	9087.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2506	2506	2506	2506	2506	
5°	2493	2539	2493	2539	2493	238
15°	2442	2475	2442	2475	2442	686
25°	2248	2463	2248	2463	2248	1037
35°	2010	2092	2010	2092	2010	1253
45°	1604	1257	1604	1257	1604	1227
55°	1040	616	1040	616	1040	934
65°	572	327	572	327	572	579
75°	289	164	289	164	289	306
85°	61	26	61	26	61	76
90°	3	23	3	45	3	5
95°	33	24	33	143	33	40
105°	154	247	154	340	154	164
115°	296	410	296	505	296	292
125°	438	650	438	619	438	391
135°	595	851	595	686	595	460
145°	760	981	760	701	760	475
155°	902	1065	902	727	902	415
165°	998	1111	998	837	998	281
175°	1043	1087	1043	982	1043	99
180°	1046	1046	1046	1046	1046	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0
2.5°	2495.8	2509.4	2523.1	2516.9	2504.2	2498.3	2499.2	2500.6	2503.3	2506.0	2503.3
5°	2493.3	2512.6	2531.9	2527.3	2514.8	2509.7	2512.0	2516.5	2527.9	2539.2	2527.9
7.5°	2492.7	2520.2	2547.7	2549.8	2543.4	2543.6	2550.1	2558.8	2573.8	2588.8	2573.8
10°	2490.7	2523.6	2556.6	2561.4	2556.8	2555.1	2556.3	2561.1	2577.0	2592.9	2577.0
12.5°	2478.4	2516.8	2555.2	2551.2	2533.0	2523.1	2521.5	2522.5	2531.1	2539.8	2531.1
15°	2442.2	2487.6	2533.0	2514.5	2474.8	2456.6	2460.0	2464.0	2469.7	2475.4	2469.7
17.5°	2378.3	2425.8	2473.2	2456.6	2418.7	2405.9	2418.2	2430.1	2441.3	2452.4	2441.3
20°	2337.4	2384.0	2430.5	2419.2	2388.5	2381.1	2397.0	2413.8	2433.1	2452.4	2433.1
22.5°	2300.6	2347.2	2393.7	2386.5	2361.3	2359.8	2382.0	2405.4	2431.9	2458.5	2431.9
25°	2248.0	2288.9	2329.8	2330.6	2318.1	2330.6	2368.1	2403.6	2433.1	2462.6	2433.1
27.5°	2192.8	2216.9	2241.0	2256.9	2270.0	2301.9	2352.6	2395.7	2416.4	2437.1	2416.4
30°	2145.8	2161.7	2177.6	2207.1	2241.2	2280.4	2324.7	2359.9	2367.8	2375.7	2367.8
32.5°	2094.7	2104.3	2113.8	2155.4	2207.6	2245.4	2268.8	2283.8	2273.6	2263.3	2273.6
35°	2010.4	2018.4	2026.3	2079.4	2147.5	2172.5	2154.4	2135.3	2113.8	2092.2	2113.8
37.5°	1910.3	1926.7	1943.0	1986.3	2038.5	2038.0	1984.9	1938.9	1914.1	1889.4	1914.1
40°	1836.7	1864.0	1891.2	1920.2	1949.7	1924.7	1845.2	1778.5	1750.2	1721.8	1750.2
42.5°	1746.8	1790.4	1834.0	1840.5	1834.6	1781.0	1679.7	1595.1	1560.3	1525.6	1560.3
45°	1604.3	1663.3	1722.3	1688.6	1623.9	1536.4	1426.3	1334.1	1295.4	1256.8	1295.4
47.5°	1436.2	1496.8	1557.4	1493.7	1388.6	1286.9	1188.6	1105.8	1069.7	1033.6	1069.7
50°	1325.8	1374.6	1423.5	1351.4	1239.0	1136.8	1044.8	965.9	926.2	886.4	926.2
52.5°	1213.4	1248.6	1283.8	1212.4	1105.4	1006.0	914.0	836.0	799.9	763.8	799.9
55°	1039.7	1057.9	1076.0	1009.9	915.7	824.8	737.4	665.6	640.6	615.7	640.6
57.5°	880.3	891.9	903.5	840.8	753.4	672.5	598.3	538.0	519.6	501.2	519.6
60°	784.3	792.2	800.1	736.6	649.1	576.5	518.6	471.5	456.7	441.9	456.7
62.5°	696.4	702.5	708.6	647.3	563.5	498.6	452.5	415.1	404.0	392.9	404.0
65°	572.2	577.9	583.6	531.3	459.8	406.5	371.3	342.9	334.9	327.0	334.9
67.5°	473.6	476.6	479.5	436.5	378.1	335.1	307.4	284.7	277.3	269.8	277.3
70°	416.4	417.5	418.7	380.6	329.5	291.5	266.5	246.4	240.7	235.0	240.7
72.5°	365.3	363.7	362.1	328.2	283.4	250.9	230.4	214.1	210.3	206.4	210.3
75°	288.7	285.3	281.9	253.8	217.4	192.4	178.8	168.0	165.8	163.5	165.8
77.5°	215.6	212.0	208.3	185.0	155.0	137.7	133.2	129.8	129.8	129.8	129.8
80°	168.6	164.1	159.5	141.4	118.6	107.3	107.3	107.3	107.3	107.3	107.3
82.5°	125.7	119.3	113.0	101.8	89.1	82.8	82.8	82.5	81.6	80.7	81.6
85°	61.3	55.6	50.0	48.5	48.5	45.1	38.3	32.4	29.0	25.5	29.0
87.5°	17.0	17.8	18.9	16.3	12.4	10.4	10.4	10.6	10.8	10.8	10.8
90°	3.2	7.4	12.7	16.9	20.1	21.1	21.1	22.2	23.2	23.2	23.2
92.5°	11.6	18.4	18.6	18.6	22.6	24.5	26.2	26.4	27.5	27.5	27.5
95°	32.8	35.9	53.9	52.8	35.9	28.5	24.3	24.3	24.3	24.3	24.3
97.5°	62.6	67.2	70.2	94.0	99.3	95.9	78.2	65.7	58.8	55.6	58.8
100°	88.8	90.9	97.2	98.3	124.7	150.0	137.4	121.5	116.2	113.1	116.2
102.5°	115.0	116.2	126.0	130.4	136.5	150.9	194.9	190.0	186.4	185.8	186.4
105°	154.3	155.3	173.3	181.7	186.0	186.0	184.9	206.1	239.9	247.3	239.9
107.5°	196.3	201.2	222.3	244.9	249.8	251.1	245.6	242.4	241.1	242.0	241.1
110°	225.1	232.5	257.8	286.4	293.8	295.9	293.8	290.6	288.5	288.5	288.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	253.0	263.7	292.5	325.2	337.7	344.1	339.4	337.1	335.0	336.7	335.0
115°	295.9	311.7	349.8	383.6	408.9	412.1	411.0	411.0	410.0	410.0	410.0
117.5°	335.6	361.0	403.7	443.0	472.3	480.8	485.0	483.7	482.5	484.6	482.5
120°	363.5	393.1	441.7	486.1	514.6	527.3	531.5	529.4	531.5	529.4	531.5
122.5°	393.1	429.4	477.2	523.3	556.9	571.2	576.3	576.7	577.2	575.9	577.2
125°	437.5	481.8	537.8	585.4	620.3	637.2	641.4	642.5	644.6	649.9	644.6
127.5°	482.3	532.6	594.1	639.9	675.6	696.1	702.7	705.0	709.5	711.8	709.5
130°	513.5	570.6	632.9	676.3	711.1	733.3	745.0	748.1	753.4	752.4	753.4
132.5°	546.5	606.1	669.3	714.3	746.6	770.5	780.5	789.5	791.5	792.9	791.5
135°	594.9	659.4	722.8	767.1	797.8	821.0	833.7	842.2	847.5	850.6	847.5
137.5°	645.8	713.9	774.8	814.3	845.1	865.2	879.6	888.5	893.9	896.5	893.9
140°	680.5	746.0	805.2	846.4	873.9	893.9	906.6	917.2	923.5	923.5	923.5
142.5°	713.5	778.1	835.6	876.8	900.9	919.3	932.8	940.9	948.0	948.0	948.0
145°	759.7	824.2	877.0	918.3	938.3	955.2	970.0	976.4	980.6	980.6	980.6
147.5°	808.1	865.2	913.4	952.9	969.8	989.7	1001.3	1006.4	1011.7	1009.3	1011.7
150°	836.9	889.7	936.2	973.2	990.1	1009.1	1020.7	1025.0	1030.3	1027.1	1030.3
152.5°	864.8	915.1	957.3	991.8	1006.2	1025.2	1038.5	1042.7	1046.3	1044.0	1046.3
155°	902.4	946.8	985.9	1017.6	1030.3	1048.2	1060.9	1066.2	1070.4	1065.1	1070.4
157.5°	936.0	974.3	1008.3	1037.4	1051.0	1066.4	1078.2	1084.8	1089.0	1086.7	1089.0
160°	956.3	991.2	1021.8	1049.3	1062.0	1075.7	1088.4	1095.8	1100.0	1096.8	1100.0
162.5°	973.2	1004.7	1033.6	1058.6	1069.6	1081.6	1096.8	1103.4	1107.6	1103.6	1107.6
165°	997.5	1022.9	1048.2	1069.4	1078.9	1088.4	1104.2	1111.6	1114.8	1110.6	1114.8
167.5°	1015.9	1035.3	1055.8	1074.0	1081.0	1090.3	1106.1	1112.3	1116.3	1111.0	1116.3
170°	1026.0	1042.9	1060.9	1075.7	1081.0	1089.4	1105.3	1110.6	1113.7	1108.5	1113.7
172.5°	1034.5	1047.2	1061.7	1074.9	1077.6	1084.4	1099.4	1104.6	1107.0	1102.5	1107.0
175°	1042.9	1050.3	1060.9	1069.4	1068.3	1072.5	1085.2	1089.4	1093.7	1087.3	1093.7
177.5°	1047.0	1050.3	1053.7	1058.8	1055.4	1055.4	1064.7	1067.2	1068.1	1064.7	1068.1
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0
2.5°	2500.6	2499.2	2498.3	2504.2	2516.9	2523.1	2509.4	2495.8	2509.4	2523.1	2516.9
5°	2516.5	2512.0	2509.7	2514.8	2527.3	2531.9	2512.6	2493.3	2512.6	2531.9	2527.3
7.5°	2558.8	2550.1	2543.6	2543.4	2549.8	2547.7	2520.2	2492.7	2520.2	2547.7	2549.8
10°	2561.1	2556.3	2555.1	2556.8	2561.4	2556.6	2523.6	2490.7	2523.6	2556.6	2561.4
12.5°	2522.5	2521.5	2523.1	2533.0	2551.2	2555.2	2516.8	2478.4	2516.8	2555.2	2551.2
15°	2464.0	2460.0	2456.6	2474.8	2514.5	2533.0	2487.6	2442.2	2487.6	2533.0	2514.5
17.5°	2430.1	2418.2	2405.9	2418.7	2456.6	2473.2	2425.8	2378.3	2425.8	2473.2	2456.6
20°	2413.8	2397.0	2381.1	2388.5	2419.2	2430.5	2384.0	2337.4	2384.0	2430.5	2419.2
22.5°	2405.4	2382.0	2359.8	2361.3	2386.5	2393.7	2347.2	2300.6	2347.2	2393.7	2386.5
25°	2403.6	2368.1	2330.6	2318.1	2330.6	2329.8	2288.9	2248.0	2288.9	2329.8	2330.6
27.5°	2395.7	2352.6	2301.9	2270.0	2256.9	2241.0	2216.9	2192.8	2216.9	2241.0	2256.9
30°	2359.9	2324.7	2280.4	2241.2	2207.1	2177.6	2161.7	2145.8	2161.7	2177.6	2207.1
32.5°	2283.8	2268.8	2245.4	2207.6	2155.4	2113.8	2104.3	2094.7	2104.3	2113.8	2155.4
35°	2135.3	2154.4	2172.5	2147.5	2079.4	2026.3	2018.4	2010.4	2018.4	2026.3	2079.4
37.5°	1938.9	1984.9	2038.0	2038.5	1986.3	1943.0	1926.7	1910.3	1926.7	1943.0	1986.3
40°	1778.5	1845.2	1924.7	1949.7	1920.2	1891.2	1864.0	1836.7	1864.0	1891.2	1920.2
42.5°	1595.1	1679.7	1781.0	1834.6	1840.5	1834.0	1790.4	1746.8	1790.4	1834.0	1840.5
45°	1334.1	1426.3	1536.4	1623.9	1688.6	1722.3	1663.3	1604.3	1663.3	1722.3	1688.6
47.5°	1105.8	1188.6	1286.9	1388.6	1493.7	1557.4	1496.8	1436.2	1496.8	1557.4	1493.7
50°	965.9	1044.8	1136.8	1239.0	1351.4	1423.5	1374.6	1325.8	1374.6	1423.5	1351.4
52.5°	836.0	914.0	1006.0	1105.4	1212.4	1283.8	1248.6	1213.4	1248.6	1283.8	1212.4
55°	665.6	737.4	824.8	915.7	1009.9	1076.0	1057.9	1039.7	1057.9	1076.0	1009.9
57.5°	538.0	598.3	672.5	753.4	840.8	903.5	891.9	880.3	891.9	903.5	840.8
60°	471.5	518.6	576.5	649.1	736.6	800.1	792.2	784.3	792.2	800.1	736.6
62.5°	415.1	452.5	498.6	563.5	647.3	708.6	702.5	696.4	702.5	708.6	647.3
65°	342.9	371.3	406.5	459.8	531.3	583.6	577.9	572.2	577.9	583.6	531.3
67.5°	284.7	307.4	335.1	378.1	436.5	479.5	476.6	473.6	476.6	479.5	436.5
70°	246.4	266.5	291.5	329.5	380.6	418.7	417.5	416.4	417.5	418.7	380.6
72.5°	214.1	230.4	250.9	283.4	328.2	362.1	363.7	365.3	363.7	362.1	328.2
75°	168.0	178.8	192.4	217.4	253.8	281.9	285.3	288.7	285.3	281.9	253.8
77.5°	129.8	133.2	137.7	155.0	185.0	208.3	212.0	215.6	212.0	208.3	185.0
80°	107.3	107.3	107.3	118.6	141.4	159.5	164.1	168.6	164.1	159.5	141.4
82.5°	82.5	82.8	82.8	89.1	101.8	113.0	119.3	125.7	119.3	113.0	101.8
85°	32.4	38.3	45.1	48.5	48.5	50.0	55.6	61.3	55.6	50.0	48.5
87.5°	10.6	10.4	10.4	12.4	16.3	18.9	17.8	17.0	17.8	18.7	16.7
90°	22.2	21.1	21.1	20.1	16.9	12.7	7.4	3.2	7.4	11.6	19.0
92.5°	26.4	26.2	24.5	22.6	18.6	18.6	18.4	11.6	20.1	28.5	41.0
95°	24.3	24.3	28.5	35.9	52.8	53.9	35.9	32.8	46.5	65.5	82.4
97.5°	65.7	78.2	95.9	99.3	94.0	70.2	67.2	62.6	85.2	104.0	131.2
100°	121.5	137.4	150.0	124.7	98.3	97.2	90.9	88.8	113.1	131.0	157.4
102.5°	190.0	194.9	150.9	136.5	130.4	126.0	116.2	115.0	139.3	164.0	186.2
105°	206.1	184.9	186.0	186.0	181.7	173.3	155.3	154.3	181.7	210.3	237.8
107.5°	242.4	245.6	251.1	249.8	244.9	222.3	201.2	196.3	221.1	255.3	285.5
110°	290.6	293.8	295.9	293.8	286.4	257.8	232.5	225.1	247.3	283.2	315.9



TEST NUMBER: P1428250

CATALOG NUMBER: SQ2W-PR1-K-075U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	337.1	339.4	344.1	337.7	325.2	292.5	263.7	253.0	275.2	311.9	345.5
115°	411.0	411.0	412.1	408.9	383.6	349.8	311.7	295.9	314.9	348.7	385.7
117.5°	483.7	485.0	480.8	472.3	443.0	403.7	361.0	335.6	350.6	386.3	424.4
120°	529.4	531.5	527.3	514.6	486.1	441.7	393.1	363.5	375.1	410.0	448.0
122.5°	576.7	576.3	571.2	556.9	523.3	477.2	429.4	393.1	397.9	430.3	467.5
125°	642.5	641.4	637.2	620.3	585.4	537.8	481.8	437.5	431.1	458.6	496.6
127.5°	705.0	702.7	696.1	675.6	639.9	594.1	532.6	482.3	468.1	485.4	520.3
130°	748.1	745.0	733.3	711.1	676.3	632.9	570.6	513.5	493.5	504.0	534.7
132.5°	789.5	780.5	770.5	746.6	714.3	669.3	606.1	546.5	518.8	523.5	547.4
135°	842.2	833.7	821.0	797.8	767.1	722.8	659.4	594.9	556.9	552.6	566.4
137.5°	888.5	879.6	865.2	845.1	814.3	774.8	713.9	645.8	597.9	583.7	589.0
140°	917.2	906.6	893.9	873.9	846.4	805.2	746.0	680.5	626.6	606.5	603.4
142.5°	940.9	932.8	919.3	900.9	876.8	835.6	778.1	713.5	656.2	630.2	622.8
145°	976.4	970.0	955.2	938.3	918.3	877.0	824.2	759.7	702.7	668.9	653.0
147.5°	1006.4	1001.3	989.7	969.8	952.9	913.4	865.2	808.1	749.6	707.8	687.3
150°	1025.0	1020.7	1009.1	990.1	973.2	936.2	889.7	836.9	780.9	736.5	710.1
152.5°	1042.7	1038.5	1025.2	1006.2	991.8	957.3	915.1	864.8	807.9	763.6	736.3
155°	1066.2	1060.9	1048.2	1030.3	1017.6	985.9	946.8	902.4	853.8	807.3	776.7
157.5°	1084.8	1078.2	1066.4	1051.0	1037.4	1008.3	974.3	936.0	893.5	849.1	817.9
160°	1095.8	1088.4	1075.7	1062.0	1049.3	1021.8	991.2	956.3	917.2	877.0	843.2
162.5°	1103.4	1096.8	1081.6	1069.6	1058.6	1033.6	1004.7	973.2	938.3	903.2	872.0
165°	1111.6	1104.2	1088.4	1078.9	1069.4	1048.2	1022.9	997.5	967.9	939.4	914.0
167.5°	1112.3	1106.1	1090.3	1081.0	1074.0	1055.8	1035.3	1015.9	992.9	970.5	949.3
170°	1110.6	1105.3	1089.4	1081.0	1075.7	1060.9	1042.9	1026.0	1008.1	989.0	972.1
172.5°	1104.6	1099.4	1084.4	1077.6	1074.9	1061.7	1047.2	1034.5	1019.1	1005.1	991.6
175°	1089.4	1085.2	1072.5	1068.3	1069.4	1060.9	1050.3	1042.9	1033.4	1025.0	1017.6
177.5°	1067.2	1064.7	1055.4	1055.4	1058.8	1053.7	1050.3	1047.0	1042.7	1040.2	1037.7
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1428250

CATALOG NUMBER: SQ2W-PR1-K-075U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0
2.5°	2504.2	2498.3	2499.2	2500.6	2503.3	2506.0	2503.3	2500.6	2499.2	2498.3	2504.2
5°	2514.8	2509.7	2512.0	2516.5	2527.9	2539.2	2527.9	2516.5	2512.0	2509.7	2514.8
7.5°	2543.4	2543.6	2550.1	2558.8	2573.8	2588.8	2573.8	2558.8	2550.1	2543.6	2543.4
10°	2556.8	2555.1	2556.3	2561.1	2577.0	2592.9	2577.0	2561.1	2556.3	2555.1	2556.8
12.5°	2533.0	2523.1	2521.5	2522.5	2531.1	2539.8	2531.1	2522.5	2521.5	2523.1	2533.0
15°	2474.8	2456.6	2460.0	2464.0	2469.7	2475.4	2469.7	2464.0	2460.0	2456.6	2474.8
17.5°	2418.7	2405.9	2418.2	2430.1	2441.3	2452.4	2441.3	2430.1	2418.2	2405.9	2418.7
20°	2388.5	2381.1	2397.0	2413.8	2433.1	2452.4	2433.1	2413.8	2397.0	2381.1	2388.5
22.5°	2361.3	2359.8	2382.0	2405.4	2431.9	2458.5	2431.9	2405.4	2382.0	2359.8	2361.3
25°	2318.1	2330.6	2368.1	2403.6	2433.1	2462.6	2433.1	2403.6	2368.1	2330.6	2318.1
27.5°	2270.0	2301.9	2352.6	2395.7	2416.4	2437.1	2416.4	2395.7	2352.6	2301.9	2270.0
30°	2241.2	2280.4	2324.7	2359.9	2367.8	2375.7	2367.8	2359.9	2324.7	2280.4	2241.2
32.5°	2207.6	2245.4	2268.8	2283.8	2273.6	2263.3	2273.6	2283.8	2268.8	2245.4	2207.6
35°	2147.5	2172.5	2154.4	2135.3	2113.8	2092.2	2113.8	2135.3	2154.4	2172.5	2147.5
37.5°	2038.5	2038.0	1984.9	1938.9	1914.1	1889.4	1914.1	1938.9	1984.9	2038.0	2038.5
40°	1949.7	1924.7	1845.2	1778.5	1750.2	1721.8	1750.2	1778.5	1845.2	1924.7	1949.7
42.5°	1834.6	1781.0	1679.7	1595.1	1560.3	1525.6	1560.3	1595.1	1679.7	1781.0	1834.6
45°	1623.9	1536.4	1426.3	1334.1	1295.4	1256.8	1295.4	1334.1	1426.3	1536.4	1623.9
47.5°	1388.6	1286.9	1188.6	1105.8	1069.7	1033.6	1069.7	1105.8	1188.6	1286.9	1388.6
50°	1239.0	1136.8	1044.8	965.9	926.2	886.4	926.2	965.9	1044.8	1136.8	1239.0
52.5°	1105.4	1006.0	914.0	836.0	799.9	763.8	799.9	836.0	914.0	1006.0	1105.4
55°	915.7	824.8	737.4	665.6	640.6	615.7	640.6	665.6	737.4	824.8	915.7
57.5°	753.4	672.5	598.3	538.0	519.6	501.2	519.6	538.0	598.3	672.5	753.4
60°	649.1	576.5	518.6	471.5	456.7	441.9	456.7	471.5	518.6	576.5	649.1
62.5°	563.5	498.6	452.5	415.1	404.0	392.9	404.0	415.1	452.5	498.6	563.5
65°	459.8	406.5	371.3	342.9	334.9	327.0	334.9	342.9	371.3	406.5	459.8
67.5°	378.1	335.1	307.4	284.7	277.3	269.8	277.3	284.7	307.4	335.1	378.1
70°	329.5	291.5	266.5	246.4	240.7	235.0	240.7	246.4	266.5	291.5	329.5
72.5°	283.4	250.9	230.4	214.1	210.3	206.4	210.3	214.1	230.4	250.9	283.4
75°	217.4	192.4	178.8	168.0	165.8	163.5	165.8	168.0	178.8	192.4	217.4
77.5°	155.0	137.7	133.2	129.8	129.8	129.8	129.8	129.8	133.2	137.7	155.0
80°	118.6	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	118.6
82.5°	89.1	82.8	82.8	82.5	81.6	80.7	81.6	82.5	82.8	82.8	89.1
85°	48.5	45.1	38.3	32.4	29.0	25.5	29.0	32.4	38.3	45.1	48.5
87.5°	13.3	12.5	14.0	14.8	15.6	15.2	15.6	14.8	14.0	12.5	13.3
90°	24.3	31.7	39.1	43.3	47.6	45.4	47.6	43.3	39.1	31.7	24.3
92.5°	48.8	61.3	70.4	78.0	81.4	80.9	81.4	78.0	70.4	61.3	48.8
95°	98.3	113.1	127.9	138.4	144.8	142.7	144.8	138.4	127.9	113.1	98.3
97.5°	151.5	171.4	187.9	197.8	204.1	208.4	204.1	197.8	187.9	171.4	151.5
100°	187.0	206.1	225.1	236.7	247.3	251.5	247.3	236.7	225.1	206.1	187.0
102.5°	215.8	240.7	261.4	273.9	282.8	287.0	282.8	273.9	261.4	240.7	215.8
105°	263.1	289.5	311.7	327.6	337.1	340.2	337.1	327.6	311.7	289.5	263.1
107.5°	310.5	337.7	358.2	375.8	387.4	394.1	387.4	375.8	358.2	337.7	310.5
110°	347.6	369.8	392.0	407.9	419.5	423.7	419.5	407.9	392.0	369.8	347.6



TEST NUMBER: P1428250

CATALOG NUMBER: SQ2W-PR1-K-075U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	378.9	403.7	425.8	441.7	455.0	460.9	455.0	441.7	425.8	403.7	378.9
115°	422.7	455.4	475.5	490.3	499.8	505.1	499.8	490.3	475.5	455.4	422.7
117.5°	459.0	493.3	515.2	526.6	531.1	534.9	531.1	526.6	515.2	493.3	459.0
120°	481.8	513.5	538.9	553.7	559.0	561.1	559.0	553.7	538.9	513.5	481.8
122.5°	503.0	533.0	557.5	575.7	584.3	586.5	584.3	575.7	557.5	533.0	503.0
125°	532.6	561.1	586.5	604.4	613.9	619.2	613.9	604.4	586.5	561.1	532.6
127.5°	558.3	589.2	612.4	628.7	638.0	642.2	638.0	628.7	612.4	589.2	558.3
130°	572.7	604.4	627.7	645.6	654.1	658.3	654.1	645.6	627.7	604.4	572.7
132.5°	583.7	617.1	641.2	657.5	666.8	671.0	666.8	657.5	641.2	617.1	583.7
135°	597.0	631.9	657.3	673.1	681.6	685.8	681.6	673.1	657.3	631.9	597.0
137.5°	608.6	640.3	666.8	683.5	691.1	693.8	691.1	683.5	666.8	640.3	608.6
140°	617.1	644.6	671.0	686.8	695.3	696.3	695.3	686.8	671.0	644.6	617.1
142.5°	628.1	649.6	672.7	688.5	697.0	698.9	697.0	688.5	672.7	649.6	628.1
145°	647.7	660.4	676.3	691.1	698.5	700.6	698.5	691.1	676.3	660.4	647.7
147.5°	672.5	676.5	684.7	694.4	701.6	703.1	701.6	694.4	684.7	676.5	672.5
150°	691.1	690.0	693.2	699.5	705.9	704.8	705.9	699.5	693.2	690.0	691.1
152.5°	712.2	706.1	705.9	708.8	711.8	711.6	711.8	708.8	705.9	706.1	712.2
155°	748.1	736.5	730.2	728.0	728.0	727.0	728.0	728.0	730.2	736.5	748.1
157.5°	787.6	771.4	761.9	756.8	755.3	753.0	755.3	756.8	761.9	771.4	787.6
160°	814.7	796.7	787.2	778.8	775.6	772.4	775.6	778.8	787.2	796.7	814.7
162.5°	840.1	822.9	812.6	805.0	801.8	796.9	801.8	805.0	812.6	822.9	840.1
165°	881.3	863.3	851.7	845.3	841.1	836.9	841.1	845.3	851.7	863.3	881.3
167.5°	922.5	902.8	895.2	888.0	884.0	876.4	884.0	888.0	895.2	902.8	922.5
170°	947.8	929.9	925.6	919.3	911.9	903.5	911.9	919.3	925.6	929.9	947.8
172.5°	969.8	957.8	953.5	947.2	944.9	938.1	944.9	947.2	953.5	957.8	969.8
175°	1001.7	992.2	992.2	991.2	988.0	981.7	988.0	991.2	992.2	992.2	1001.7
177.5°	1028.4	1023.3	1026.7	1026.7	1025.8	1019.9	1025.8	1026.7	1026.7	1023.3	1028.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1428250

CATALOG NUMBER: SQ2W-PR1-K-075U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2506.0	2506.0	2506.0	2506.0
2.5°	2516.9	2523.1	2509.4	2495.8
5°	2527.3	2531.9	2512.6	2493.3
7.5°	2549.8	2547.7	2520.2	2492.7
10°	2561.4	2556.6	2523.6	2490.7
12.5°	2551.2	2555.2	2516.8	2478.4
15°	2514.5	2533.0	2487.6	2442.2
17.5°	2456.6	2473.2	2425.8	2378.3
20°	2419.2	2430.5	2384.0	2337.4
22.5°	2386.5	2393.7	2347.2	2300.6
25°	2330.6	2329.8	2288.9	2248.0
27.5°	2256.9	2241.0	2216.9	2192.8
30°	2207.1	2177.6	2161.7	2145.8
32.5°	2155.4	2113.8	2104.3	2094.7
35°	2079.4	2026.3	2018.4	2010.4
37.5°	1986.3	1943.0	1926.7	1910.3
40°	1920.2	1891.2	1864.0	1836.7
42.5°	1840.5	1834.0	1790.4	1746.8
45°	1688.6	1722.3	1663.3	1604.3
47.5°	1493.7	1557.4	1496.8	1436.2
50°	1351.4	1423.5	1374.6	1325.8
52.5°	1212.4	1283.8	1248.6	1213.4
55°	1009.9	1076.0	1057.9	1039.7
57.5°	840.8	903.5	891.9	880.3
60°	736.6	800.1	792.2	784.3
62.5°	647.3	708.6	702.5	696.4
65°	531.3	583.6	577.9	572.2
67.5°	436.5	479.5	476.6	473.6
70°	380.6	418.7	417.5	416.4
72.5°	328.2	362.1	363.7	365.3
75°	253.8	281.9	285.3	288.7
77.5°	185.0	208.3	212.0	215.6
80°	141.4	159.5	164.1	168.6
82.5°	101.8	113.0	119.3	125.7
85°	48.5	50.0	55.6	61.3
87.5°	16.7	18.7	17.8	17.0
90°	19.0	11.6	7.4	3.2
92.5°	41.0	28.5	20.1	11.6
95°	82.4	65.5	46.5	32.8
97.5°	131.2	104.0	85.2	62.6
100°	157.4	131.0	113.1	88.8
102.5°	186.2	164.0	139.3	115.0
105°	237.8	210.3	181.7	154.3
107.5°	285.5	255.3	221.1	196.3
110°	315.9	283.2	247.3	225.1



TEST NUMBER: P1428250

CATALOG NUMBER: SQ2W-PR1-K-075U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	345.5	311.9	275.2	253.0
115°	385.7	348.7	314.9	295.9
117.5°	424.4	386.3	350.6	335.6
120°	448.0	410.0	375.1	363.5
122.5°	467.5	430.3	397.9	393.1
125°	496.6	458.6	431.1	437.5
127.5°	520.3	485.4	468.1	482.3
130°	534.7	504.0	493.5	513.5
132.5°	547.4	523.5	518.8	546.5
135°	566.4	552.6	556.9	594.9
137.5°	589.0	583.7	597.9	645.8
140°	603.4	606.5	626.6	680.5
142.5°	622.8	630.2	656.2	713.5
145°	653.0	668.9	702.7	759.7
147.5°	687.3	707.8	749.6	808.1
150°	710.1	736.5	780.9	836.9
152.5°	736.3	763.6	807.9	864.8
155°	776.7	807.3	853.8	902.4
157.5°	817.9	849.1	893.5	936.0
160°	843.2	877.0	917.2	956.3
162.5°	872.0	903.2	938.3	973.2
165°	914.0	939.4	967.9	997.5
167.5°	949.3	970.5	992.9	1015.9
170°	972.1	989.0	1008.1	1026.0
172.5°	991.6	1005.1	1019.1	1034.5
175°	1017.6	1025.0	1033.4	1042.9
177.5°	1037.7	1040.2	1042.7	1047.0
180°	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1428250
 CATALOG NUMBER: SQ2W-PR1-K-075U-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	20.94	21.91	21.75	22.74	23.76	17.31	18.28	18.12	19.11	20.13
	3H	22.16	23.03	22.98	23.86	24.91	18.48	19.35	19.31	20.19	21.24
	4H	22.65	23.47	23.49	24.31	25.37	18.95	19.77	19.79	20.61	21.67
	6H	22.95	23.70	23.81	24.56	25.63	19.30	20.05	20.15	20.90	21.98
	8H	23.06	23.77	23.92	24.64	25.72	19.44	20.15	20.30	21.02	22.10
	12H	23.10	23.78	23.97	24.64	25.74	19.47	20.15	20.34	21.02	22.12
4H	2H	21.06	21.88	21.91	22.72	23.78	18.04	18.85	18.88	19.70	20.76
	3H	22.53	23.21	23.39	24.08	25.16	19.40	20.08	20.26	20.96	22.03
	4H	23.16	23.78	24.03	24.65	25.76	19.95	20.57	20.82	21.44	22.54
	6H	23.60	24.13	24.49	25.03	26.13	20.39	20.92	21.28	21.82	22.93
	8H	23.76	24.25	24.65	25.15	26.27	20.58	21.07	21.46	21.96	23.08
	12H	23.83	24.28	24.74	25.19	26.31	20.63	21.07	21.54	21.99	23.11
8H	4H	23.20	23.69	24.09	24.58	25.70	20.29	20.78	21.18	21.67	22.79
	6H	23.73	24.14	24.65	25.08	26.19	20.83	21.24	21.75	22.17	23.29
	8H	23.97	24.33	24.89	25.26	26.39	21.09	21.45	22.02	22.38	23.52
	12H	24.09	24.41	25.02	25.33	26.52	21.19	21.51	22.12	22.43	23.62
12H	4H	23.16	23.60	24.07	24.52	25.64	20.31	20.75	21.22	21.67	22.79
	6H	23.72	24.08	24.65	25.01	26.15	20.90	21.26	21.83	22.19	23.33
	8H	23.98	24.30	24.90	25.22	26.40	21.20	21.52	22.12	22.44	23.62