

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: P1428652

Luminaire Tested: SQ2W-WBN-K-150U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428652
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBN-K-150U-075D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

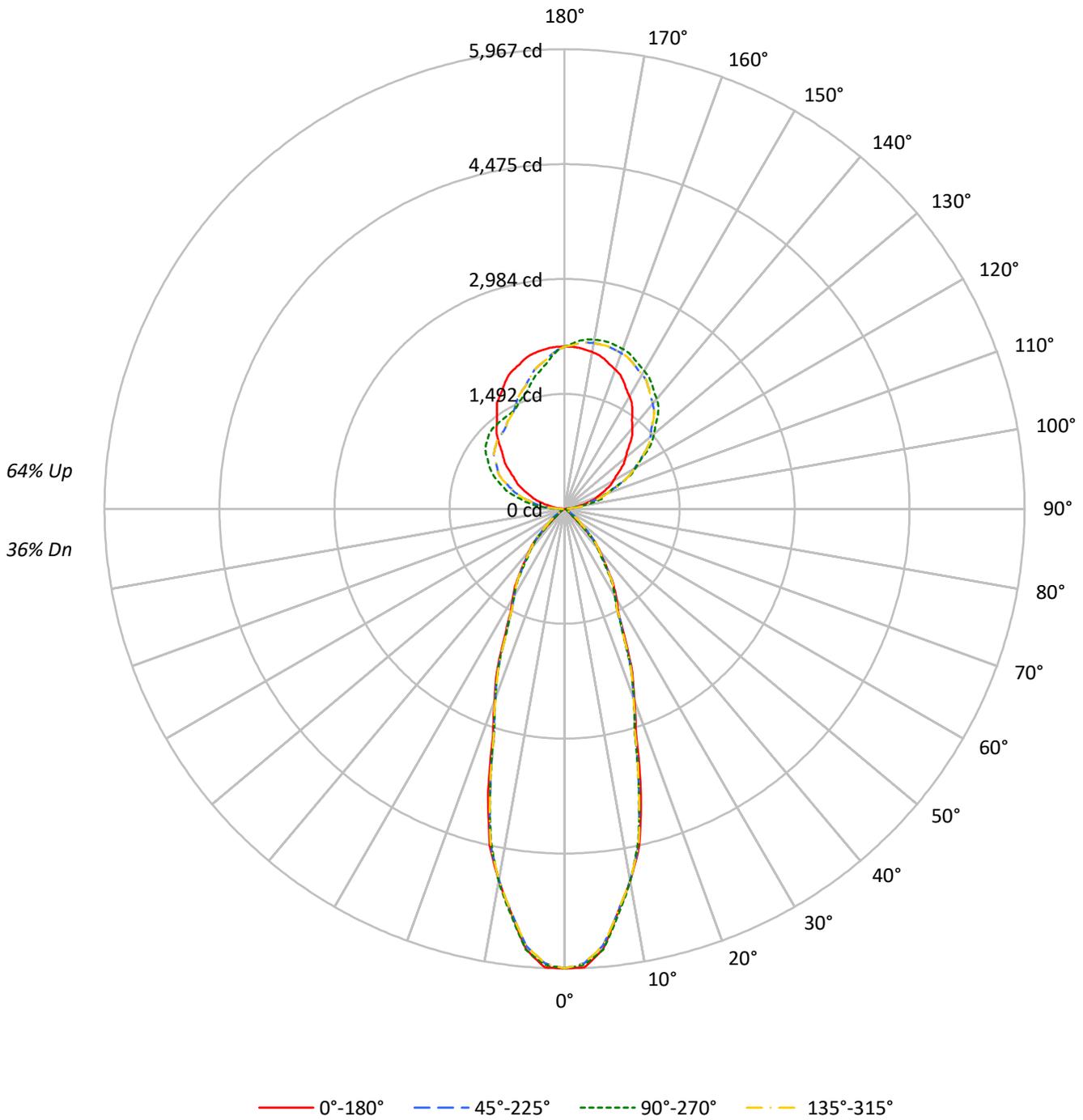
Lumens per Lamp: N/A
Luminaire Lumens: 9623.8 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 82.7
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	50	30	10	0	
RCR																						
0	104	104	104	104	94	94	94	94	76	76	76	59	59	59	43	43	43	36				36
1	96	93	89	87	87	84	82	79	69	67	65	54	53	52	41	40	40	34				34
2	89	83	78	74	81	76	72	68	62	59	57	50	48	46	38	37	36	31				31
3	83	75	69	64	75	69	64	59	57	53	50	46	44	42	36	35	33	29				29
4	77	68	61	56	70	62	57	52	52	48	45	43	40	38	34	32	31	27				27
5	72	62	55	50	65	57	51	47	48	44	41	39	37	35	32	30	29	25				25
6	67	56	50	45	61	52	46	42	44	40	37	37	34	32	30	28	27	24				24
7	62	52	45	40	57	48	42	38	41	37	34	34	31	29	28	26	25	22				22
8	59	48	41	37	54	45	39	35	38	34	31	32	29	27	27	25	23	21				21
9	55	44	38	34	51	41	36	32	36	32	29	30	27	25	25	23	22	20				20
10	52	41	35	31	48	39	33	29	34	29	27	29	26	24	24	22	21	19				19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	96337	96337	96337	96337
5°	93018	93120	93018	93120
10°	80401	80591	80401	80591
15°	63979	62209	63979	62209
20°	45449	45176	45449	45176
25°	32699	31831	32699	31831
30°	24984	24253	24984	24253
35°	19612	18778	19612	18778
40°	14859	13944	14859	13944
45°	8314	7421	8314	7421
50°	2924	2580	2924	2580
55°	1787	1697	1787	1697
60°	1366	1266	1366	1266
65°	1253	1173	1253	1173
70°	1199	1100	1199	1100
75°	1123	1054	1123	1054
80°	986	986	986	986
85°	982	778	982	778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 9859 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	518.0	5.4
10°-20°	1029.4	10.7
20°-30°	852.5	8.9
30°-40°	613.3	6.4
40°-50°	312.4	3.2
50°-60°	81.2	0.8
60°-70°	33.7	0.4
70°-80°	18.7	0.2
80°-90°	14.3	0.1
90°-100°	167.6	1.7
100°-110°	488.9	5.1
110°-120°	797.8	8.3
120°-130°	1012.4	10.5
130°-140°	1083.3	11.3
140°-150°	1011.5	10.5
150°-160°	832.4	8.6
160°-170°	558.2	5.8
170°-180°	198.2	2.1
0°-30°	2399.9	24.9
0°-40°	3013.2	31.3
0°-60°	3406.8	35.4
0°-90°	3473.5	36.1
90°-120°	1454.3	15.1
90°-150°	4561.5	47.4
90°-180°	6150.0	63.9
0°-180°	9623.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5967	5967	5967	5967	5967	
5°	5739	5746	5739	5746	5739	518
15°	3828	3722	3828	3722	3828	1039
25°	1836	1787	1836	1787	1836	863
35°	995	953	995	953	995	624
45°	364	325	364	325	364	291
55°	64	60	64	60	64	62
65°	33	31	33	31	33	33
75°	18	17	18	17	18	19
85°	5	4	5	4	5	6
90°	6	47	6	92	6	5
95°	66	49	66	287	66	80
105°	311	498	311	685	311	330
115°	596	826	596	1017	596	587
125°	881	1308	881	1247	881	788
135°	1198	1713	1198	1381	1198	926
145°	1530	1974	1530	1411	1530	957
155°	1817	2145	1817	1464	1817	835
165°	2008	2236	2008	1685	2008	565
175°	2100	2189	2100	1977	2100	199
180°	2106	2106	2106	2106	2106	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8
2.5°	5957.5	5953.0	5948.5	5928.4	5903.2	5901.2	5922.2	5936.7	5931.5	5926.2	5931.5
5°	5739.3	5735.5	5731.7	5714.6	5692.9	5700.4	5737.1	5762.5	5754.1	5745.6	5754.1
7.5°	5288.5	5291.7	5294.9	5286.1	5273.3	5283.2	5315.6	5337.7	5328.7	5319.7	5328.7
10°	4904.1	4912.6	4921.0	4909.0	4890.2	4904.6	4952.1	4979.7	4947.7	4915.7	4947.7
12.5°	4479.8	4474.4	4468.9	4458.0	4445.2	4442.6	4450.2	4451.5	4433.8	4416.1	4433.8
15°	3827.6	3807.8	3788.1	3757.7	3723.8	3712.8	3724.6	3732.1	3726.9	3721.7	3726.9
17.5°	3083.0	3090.6	3098.3	3077.7	3047.8	3032.3	3031.2	3028.9	3023.0	3017.2	3023.0
20°	2645.2	2647.6	2649.9	2637.1	2619.2	2615.0	2624.4	2631.2	2630.3	2629.3	2630.3
22.5°	2292.9	2293.4	2293.9	2276.9	2254.2	2249.7	2263.7	2272.0	2263.5	2255.1	2263.5
25°	1835.5	1834.0	1832.6	1821.3	1806.8	1795.9	1788.9	1783.9	1785.4	1786.8	1785.4
27.5°	1505.2	1499.4	1493.5	1483.9	1473.0	1469.9	1474.6	1477.2	1473.8	1470.3	1473.8
30°	1340.1	1335.4	1330.7	1321.0	1309.7	1305.5	1308.3	1309.4	1305.1	1300.9	1305.1
32.5°	1191.9	1192.1	1192.3	1183.6	1171.9	1165.4	1164.1	1162.3	1159.2	1156.1	1159.2
35°	995.0	997.8	1000.6	993.6	983.2	974.5	967.5	961.1	956.9	952.7	956.9
37.5°	819.3	821.9	824.6	818.7	809.9	800.4	790.0	781.3	777.8	774.2	777.8
40°	705.0	706.9	708.7	704.6	698.5	689.3	677.1	667.2	664.4	661.6	664.4
42.5°	580.5	588.4	596.3	593.7	587.6	578.8	567.3	557.1	550.9	544.7	550.9
45°	364.1	389.1	414.0	425.2	431.8	428.7	416.0	397.4	361.2	325.0	361.2
47.5°	184.2	218.7	253.2	278.0	299.6	292.7	257.4	222.1	186.5	150.9	186.5
50°	116.4	140.4	164.4	194.8	227.2	220.2	173.6	134.7	118.7	102.7	118.7
52.5°	89.3	101.7	114.0	142.8	177.2	173.9	132.9	100.0	91.2	82.4	91.2
55°	63.5	68.2	72.9	88.9	108.7	107.5	85.4	67.9	64.1	60.3	64.1
57.5°	49.1	51.7	54.4	60.3	67.4	66.7	58.4	51.5	49.1	46.8	49.1
60°	42.3	44.2	46.1	49.0	52.3	51.9	47.6	43.9	41.5	39.2	41.5
62.5°	38.1	39.2	40.4	41.7	43.1	42.5	39.7	37.5	36.6	35.8	36.6
65°	32.8	33.3	33.8	33.9	33.9	33.4	32.5	31.6	31.2	30.7	31.2
67.5°	27.9	28.4	28.9	28.9	28.8	28.6	28.1	27.6	27.1	26.7	27.1
70°	25.4	25.9	26.3	26.1	25.6	25.2	24.7	24.2	23.8	23.3	23.8
72.5°	22.0	22.5	23.0	22.7	22.3	22.0	21.9	21.7	21.2	20.7	21.2
75°	18.0	18.0	18.0	18.0	18.0	17.8	17.3	16.9	16.9	16.9	16.9
77.5°	14.0	14.1	14.2	13.8	13.4	13.1	13.1	13.0	12.7	12.3	12.7
80°	10.6	11.1	11.5	11.3	10.8	10.6	10.6	10.6	10.6	10.6	10.6
82.5°	8.9	9.0	9.1	8.8	8.3	8.0	8.0	8.0	8.0	8.0	8.0
85°	5.3	5.3	5.3	4.9	4.5	4.5	4.9	5.2	4.7	4.2	4.7
87.5°	3.0	4.7	6.8	8.5	9.8	10.2	10.2	10.6	11.1	11.1	11.1
90°	6.4	14.9	25.5	34.0	40.4	42.6	42.6	44.7	46.8	46.8	46.8
92.5°	23.4	37.0	37.4	37.4	45.5	49.4	52.8	53.2	55.3	55.3	55.3
95°	66.0	72.3	108.5	106.4	72.3	57.4	48.9	48.9	48.9	48.9	48.9
97.5°	126.0	135.3	141.3	189.4	200.0	193.2	157.4	132.3	118.3	111.9	118.3
100°	178.7	183.0	195.7	197.9	251.1	302.1	276.6	244.7	234.0	227.7	234.0
102.5°	231.5	234.0	253.6	262.6	274.9	303.8	392.3	382.6	375.3	374.0	375.3
105°	310.6	312.8	348.9	366.0	374.5	374.5	372.3	414.9	483.0	497.9	483.0
107.5°	395.3	405.1	447.7	493.2	503.0	505.5	494.5	488.1	485.5	487.2	485.5
110°	453.2	468.1	519.2	576.6	591.5	595.8	591.5	585.1	580.9	580.9	580.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	509.4	531.1	588.9	654.9	680.0	692.8	683.4	678.7	674.5	677.9	674.5
115°	595.8	627.7	704.3	772.3	823.4	829.8	827.7	827.7	825.5	825.5	825.5
117.5°	675.8	726.8	812.8	891.9	951.1	968.1	976.6	974.1	971.5	975.8	971.5
120°	731.9	791.5	889.4	978.7	1036.2	1061.7	1070.2	1066.0	1070.2	1066.0	1070.2
122.5°	791.5	864.7	960.9	1053.6	1121.3	1150.2	1160.4	1161.3	1162.1	1159.6	1162.1
125°	880.9	970.2	1083.0	1178.7	1248.9	1283.0	1291.5	1293.6	1297.9	1308.5	1297.9
127.5°	971.1	1072.4	1196.2	1288.5	1360.4	1401.7	1414.9	1419.6	1428.5	1433.2	1428.5
130°	1034.1	1148.9	1274.5	1361.7	1431.9	1476.6	1500.0	1506.4	1517.0	1514.9	1517.0
132.5°	1100.4	1220.4	1347.7	1438.3	1503.4	1551.5	1571.5	1589.8	1593.6	1596.6	1593.6
135°	1197.9	1327.7	1455.3	1544.7	1606.4	1653.2	1678.7	1695.8	1706.4	1712.8	1706.4
137.5°	1300.4	1437.5	1560.0	1639.6	1701.7	1742.1	1771.1	1789.0	1800.0	1805.1	1800.0
140°	1370.2	1502.1	1621.3	1704.3	1759.6	1800.0	1825.5	1846.8	1859.6	1859.6	1859.6
142.5°	1436.6	1566.8	1682.6	1765.5	1814.1	1851.1	1878.3	1894.5	1909.0	1909.0	1909.0
145°	1529.8	1659.6	1766.0	1849.0	1889.4	1923.4	1953.2	1966.0	1974.5	1974.5	1974.5
147.5°	1627.2	1742.1	1839.2	1918.7	1952.8	1992.8	2016.2	2026.4	2037.0	2032.4	2037.0
150°	1685.1	1791.5	1885.1	1959.6	1993.6	2031.9	2055.3	2063.8	2074.5	2068.1	2074.5
152.5°	1741.3	1842.6	1927.7	1997.0	2026.0	2064.3	2091.1	2099.6	2106.8	2102.1	2106.8
155°	1817.0	1906.4	1985.1	2049.0	2074.5	2110.7	2136.2	2146.8	2155.3	2144.7	2155.3
157.5°	1884.7	1961.7	2030.2	2089.0	2116.2	2147.3	2171.1	2184.3	2192.8	2188.1	2192.8
160°	1925.6	1995.8	2057.5	2112.8	2138.3	2166.0	2191.5	2206.4	2214.9	2208.5	2214.9
162.5°	1959.6	2023.0	2081.3	2131.5	2153.6	2177.9	2208.5	2221.7	2230.2	2222.1	2230.2
165°	2008.5	2059.6	2110.7	2153.2	2172.4	2191.5	2223.4	2238.3	2244.7	2236.2	2244.7
167.5°	2045.6	2084.7	2126.0	2162.6	2176.6	2195.3	2227.3	2239.6	2247.7	2237.0	2247.7
170°	2066.0	2100.0	2136.2	2166.0	2176.6	2193.6	2225.6	2236.2	2242.6	2231.9	2242.6
172.5°	2083.0	2108.5	2137.9	2164.3	2169.8	2183.4	2213.6	2224.3	2229.0	2220.0	2229.0
175°	2100.0	2114.9	2136.2	2153.2	2151.1	2159.6	2185.1	2193.6	2202.1	2189.4	2202.1
177.5°	2108.1	2114.9	2121.7	2131.9	2125.1	2125.1	2143.9	2149.0	2150.7	2143.9	2150.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8
2.5°	5936.7	5922.2	5901.2	5903.2	5928.4	5948.5	5953.0	5957.5	5953.0	5948.5	5928.4
5°	5762.5	5737.1	5700.4	5692.9	5714.6	5731.7	5735.5	5739.3	5735.5	5731.7	5714.6
7.5°	5337.7	5315.6	5283.2	5273.3	5286.1	5294.9	5291.7	5288.5	5291.7	5294.9	5286.1
10°	4979.7	4952.1	4904.6	4890.2	4909.0	4921.0	4912.6	4904.1	4912.6	4921.0	4909.0
12.5°	4451.5	4450.2	4442.6	4445.2	4458.0	4468.9	4474.4	4479.8	4474.4	4468.9	4458.0
15°	3732.1	3724.6	3712.8	3723.8	3757.7	3788.1	3807.8	3827.6	3807.8	3788.1	3757.7
17.5°	3028.9	3031.2	3032.3	3047.8	3077.7	3098.3	3090.6	3083.0	3090.6	3098.3	3077.7
20°	2631.2	2624.4	2615.0	2619.2	2637.1	2649.9	2647.6	2645.2	2647.6	2649.9	2637.1
22.5°	2272.0	2263.7	2249.7	2254.2	2276.9	2293.9	2293.4	2292.9	2293.4	2293.9	2276.9
25°	1783.9	1788.9	1795.9	1806.8	1821.3	1832.6	1834.0	1835.5	1834.0	1832.6	1821.3
27.5°	1477.2	1474.6	1469.9	1473.0	1483.9	1493.5	1499.4	1505.2	1499.4	1493.5	1483.9
30°	1309.4	1308.3	1305.5	1309.7	1321.0	1330.7	1335.4	1340.1	1335.4	1330.7	1321.0
32.5°	1162.3	1164.1	1165.4	1171.9	1183.6	1192.3	1192.1	1191.9	1192.1	1192.3	1183.6
35°	961.1	967.5	974.5	983.2	993.6	1000.6	997.8	995.0	997.8	1000.6	993.6
37.5°	781.3	790.0	800.4	809.9	818.7	824.6	821.9	819.3	821.9	824.6	818.7
40°	667.2	677.1	689.3	698.5	704.6	708.7	706.9	705.0	706.9	708.7	704.6
42.5°	557.1	567.3	578.8	587.6	593.7	596.3	588.4	580.5	588.4	596.3	593.7
45°	397.4	416.0	428.7	431.8	425.2	414.0	389.1	364.1	389.1	414.0	425.2
47.5°	222.1	257.4	292.7	299.6	278.0	253.2	218.7	184.2	218.7	253.2	278.0
50°	134.7	173.6	220.2	227.2	194.8	164.4	140.4	116.4	140.4	164.4	194.8
52.5°	100.0	132.9	173.9	177.2	142.8	114.0	101.7	89.3	101.7	114.0	142.8
55°	67.9	85.4	107.5	108.7	88.9	72.9	68.2	63.5	68.2	72.9	88.9
57.5°	51.5	58.4	66.7	67.4	60.3	54.4	51.7	49.1	51.7	54.4	60.3
60°	43.9	47.6	51.9	52.3	49.0	46.1	44.2	42.3	44.2	46.1	49.0
62.5°	37.5	39.7	42.5	43.1	41.7	40.4	39.2	38.1	39.2	40.4	41.7
65°	31.6	32.5	33.4	33.9	33.9	33.8	33.3	32.8	33.3	33.8	33.9
67.5°	27.6	28.1	28.6	28.8	28.9	28.9	28.4	27.9	28.4	28.9	28.9
70°	24.2	24.7	25.2	25.6	26.1	26.3	25.9	25.4	25.9	26.3	26.1
72.5°	21.7	21.9	22.0	22.3	22.7	23.0	22.5	22.0	22.5	23.0	22.7
75°	16.9	17.3	17.8	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
77.5°	13.0	13.1	13.1	13.4	13.8	14.2	14.1	14.0	14.1	14.2	13.8
80°	10.6	10.6	10.6	10.8	11.3	11.5	11.1	10.6	11.1	11.5	11.3
82.5°	8.0	8.0	8.0	8.3	8.8	9.1	9.0	8.9	9.0	9.1	8.8
85°	5.2	4.9	4.5	4.5	4.9	5.3	5.3	5.3	5.3	5.3	4.9
87.5°	10.6	10.2	10.2	9.8	8.5	6.8	4.7	3.0	4.7	6.4	9.4
90°	44.7	42.6	42.6	40.4	34.0	25.5	14.9	6.4	14.9	23.4	38.3
92.5°	53.2	52.8	49.4	45.5	37.4	37.4	37.0	23.4	40.4	57.4	82.6
95°	48.9	48.9	57.4	72.3	106.4	108.5	72.3	66.0	93.6	131.9	166.0
97.5°	132.3	157.4	193.2	200.0	189.4	141.3	135.3	126.0	171.5	209.4	264.3
100°	244.7	276.6	302.1	251.1	197.9	195.7	183.0	178.7	227.7	263.8	317.0
102.5°	382.6	392.3	303.8	274.9	262.6	253.6	234.0	231.5	280.4	330.2	374.9
105°	414.9	372.3	374.5	374.5	366.0	348.9	312.8	310.6	366.0	423.4	478.7
107.5°	488.1	494.5	505.5	503.0	493.2	447.7	405.1	395.3	445.1	514.0	574.9
110°	585.1	591.5	595.8	591.5	576.6	519.2	468.1	453.2	497.9	570.2	636.2



TEST NUMBER: P1428652

CATALOG NUMBER: SQ2W-WBN-K-150U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	678.7	683.4	692.8	680.0	654.9	588.9	531.1	509.4	554.0	628.1	695.8
115°	827.7	827.7	829.8	823.4	772.3	704.3	627.7	595.8	634.0	702.1	776.6
117.5°	974.1	976.6	968.1	951.1	891.9	812.8	726.8	675.8	706.0	777.9	854.5
120°	1066.0	1070.2	1061.7	1036.2	978.7	889.4	791.5	731.9	755.3	825.5	902.1
122.5°	1161.3	1160.4	1150.2	1121.3	1053.6	960.9	864.7	791.5	801.3	866.4	941.3
125°	1293.6	1291.5	1283.0	1248.9	1178.7	1083.0	970.2	880.9	868.1	923.4	1000.0
127.5°	1419.6	1414.9	1401.7	1360.4	1288.5	1196.2	1072.4	971.1	942.6	977.5	1047.7
130°	1506.4	1500.0	1476.6	1431.9	1361.7	1274.5	1148.9	1034.1	993.6	1014.9	1076.6
132.5°	1589.8	1571.5	1551.5	1503.4	1438.3	1347.7	1220.4	1100.4	1044.7	1054.1	1102.1
135°	1695.8	1678.7	1653.2	1606.4	1544.7	1455.3	1327.7	1197.9	1121.3	1112.8	1140.4
137.5°	1789.0	1771.1	1742.1	1701.7	1639.6	1560.0	1437.5	1300.4	1203.8	1175.3	1186.0
140°	1846.8	1825.5	1800.0	1759.6	1704.3	1621.3	1502.1	1370.2	1261.7	1221.3	1214.9
142.5°	1894.5	1878.3	1851.1	1814.1	1765.5	1682.6	1566.8	1436.6	1321.3	1268.9	1254.1
145°	1966.0	1953.2	1923.4	1889.4	1849.0	1766.0	1659.6	1529.8	1414.9	1346.8	1314.9
147.5°	2026.4	2016.2	1992.8	1952.8	1918.7	1839.2	1742.1	1627.2	1509.4	1425.1	1383.8
150°	2063.8	2055.3	2031.9	1993.6	1959.6	1885.1	1791.5	1685.1	1572.4	1483.0	1429.8
152.5°	2099.6	2091.1	2064.3	2026.0	1997.0	1927.7	1842.6	1741.3	1626.8	1537.5	1482.6
155°	2146.8	2136.2	2110.7	2074.5	2049.0	1985.1	1906.4	1817.0	1719.2	1625.5	1563.8
157.5°	2184.3	2171.1	2147.3	2116.2	2089.0	2030.2	1961.7	1884.7	1799.2	1709.8	1646.8
160°	2206.4	2191.5	2166.0	2138.3	2112.8	2057.5	1995.8	1925.6	1846.8	1766.0	1697.9
162.5°	2221.7	2208.5	2177.9	2153.6	2131.5	2081.3	2023.0	1959.6	1889.4	1818.7	1755.8
165°	2238.3	2223.4	2191.5	2172.4	2153.2	2110.7	2059.6	2008.5	1949.0	1891.5	1840.4
167.5°	2239.6	2227.3	2195.3	2176.6	2162.6	2126.0	2084.7	2045.6	1999.2	1954.1	1911.5
170°	2236.2	2225.6	2193.6	2176.6	2166.0	2136.2	2100.0	2066.0	2029.8	1991.5	1957.5
172.5°	2224.3	2213.6	2183.4	2169.8	2164.3	2137.9	2108.5	2083.0	2051.9	2023.8	1996.6
175°	2193.6	2185.1	2159.6	2151.1	2153.2	2136.2	2114.9	2100.0	2080.9	2063.8	2049.0
177.5°	2149.0	2143.9	2125.1	2125.1	2131.9	2121.7	2114.9	2108.1	2099.6	2094.5	2089.4
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8	5966.8
2.5°	5903.2	5901.2	5922.2	5936.7	5931.5	5926.2	5931.5	5936.7	5922.2	5901.2	5903.2
5°	5692.9	5700.4	5737.1	5762.5	5754.1	5745.6	5754.1	5762.5	5737.1	5700.4	5692.9
7.5°	5273.3	5283.2	5315.6	5337.7	5328.7	5319.7	5328.7	5337.7	5315.6	5283.2	5273.3
10°	4890.2	4904.6	4952.1	4979.7	4947.7	4915.7	4947.7	4979.7	4952.1	4904.6	4890.2
12.5°	4445.2	4442.6	4450.2	4451.5	4433.8	4416.1	4433.8	4451.5	4450.2	4442.6	4445.2
15°	3723.8	3712.8	3724.6	3732.1	3726.9	3721.7	3726.9	3732.1	3724.6	3712.8	3723.8
17.5°	3047.8	3032.3	3031.2	3028.9	3023.0	3017.2	3023.0	3028.9	3031.2	3032.3	3047.8
20°	2619.2	2615.0	2624.4	2631.2	2630.3	2629.3	2630.3	2631.2	2624.4	2615.0	2619.2
22.5°	2254.2	2249.7	2263.7	2272.0	2263.5	2255.1	2263.5	2272.0	2263.7	2249.7	2254.2
25°	1806.8	1795.9	1788.9	1783.9	1785.4	1786.8	1785.4	1783.9	1788.9	1795.9	1806.8
27.5°	1473.0	1469.9	1474.6	1477.2	1473.8	1470.3	1473.8	1477.2	1474.6	1469.9	1473.0
30°	1309.7	1305.5	1308.3	1309.4	1305.1	1300.9	1305.1	1309.4	1308.3	1305.5	1309.7
32.5°	1171.9	1165.4	1164.1	1162.3	1159.2	1156.1	1159.2	1162.3	1164.1	1165.4	1171.9
35°	983.2	974.5	967.5	961.1	956.9	952.7	956.9	961.1	967.5	974.5	983.2
37.5°	809.9	800.4	790.0	781.3	777.8	774.2	777.8	781.3	790.0	800.4	809.9
40°	698.5	689.3	677.1	667.2	664.4	661.6	664.4	667.2	677.1	689.3	698.5
42.5°	587.6	578.8	567.3	557.1	550.9	544.7	550.9	557.1	567.3	578.8	587.6
45°	431.8	428.7	416.0	397.4	361.2	325.0	361.2	397.4	416.0	428.7	431.8
47.5°	299.6	292.7	257.4	222.1	186.5	150.9	186.5	222.1	257.4	292.7	299.6
50°	227.2	220.2	173.6	134.7	118.7	102.7	118.7	134.7	173.6	220.2	227.2
52.5°	177.2	173.9	132.9	100.0	91.2	82.4	91.2	100.0	132.9	173.9	177.2
55°	108.7	107.5	85.4	67.9	64.1	60.3	64.1	67.9	85.4	107.5	108.7
57.5°	67.4	66.7	58.4	51.5	49.1	46.8	49.1	51.5	58.4	66.7	67.4
60°	52.3	51.9	47.6	43.9	41.5	39.2	41.5	43.9	47.6	51.9	52.3
62.5°	43.1	42.5	39.7	37.5	36.6	35.8	36.6	37.5	39.7	42.5	43.1
65°	33.9	33.4	32.5	31.6	31.2	30.7	31.2	31.6	32.5	33.4	33.9
67.5°	28.8	28.6	28.1	27.6	27.1	26.7	27.1	27.6	28.1	28.6	28.8
70°	25.6	25.2	24.7	24.2	23.8	23.3	23.8	24.2	24.7	25.2	25.6
72.5°	22.3	22.0	21.9	21.7	21.2	20.7	21.2	21.7	21.9	22.0	22.3
75°	18.0	17.8	17.3	16.9	16.9	16.9	16.9	16.9	17.3	17.8	18.0
77.5°	13.4	13.1	13.1	13.0	12.7	12.3	12.7	13.0	13.1	13.1	13.4
80°	10.8	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.8
82.5°	8.3	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.3
85°	4.5	4.5	4.9	5.2	4.7	4.2	4.7	5.2	4.9	4.5	4.5
87.5°	11.5	14.5	17.4	19.1	20.8	20.0	20.8	19.1	17.4	14.5	11.5
90°	48.9	63.8	78.7	87.2	95.7	91.5	95.7	87.2	78.7	63.8	48.9
92.5°	98.3	123.4	141.7	157.0	163.8	163.0	163.8	157.0	141.7	123.4	98.3
95°	197.9	227.7	257.4	278.7	291.5	287.2	291.5	278.7	257.4	227.7	197.9
97.5°	305.1	345.1	378.3	398.3	411.1	419.6	411.1	398.3	378.3	345.1	305.1
100°	376.6	414.9	453.2	476.6	497.9	506.4	497.9	476.6	453.2	414.9	376.6
102.5°	434.5	484.7	526.4	551.5	569.4	577.9	569.4	551.5	526.4	484.7	434.5
105°	529.8	583.0	627.7	659.6	678.7	685.1	678.7	659.6	627.7	583.0	529.8
107.5°	625.1	680.0	721.3	756.6	780.0	793.6	780.0	756.6	721.3	680.0	625.1
110°	700.0	744.7	789.4	821.3	844.7	853.2	844.7	821.3	789.4	744.7	700.0



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CATALOG NUMBER: SQ2W-WBN-K-150U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	763.0	812.8	857.5	889.4	916.2	928.1	916.2	889.4	857.5	812.8	763.0
115°	851.1	917.0	957.5	987.2	1006.4	1017.0	1006.4	987.2	957.5	917.0	851.1
117.5°	924.3	993.2	1037.5	1060.4	1069.4	1077.0	1069.4	1060.4	1037.5	993.2	924.3
120°	970.2	1034.1	1085.1	1114.9	1125.5	1129.8	1125.5	1114.9	1085.1	1034.1	970.2
122.5°	1012.8	1073.2	1122.6	1159.2	1176.6	1180.9	1176.6	1159.2	1122.6	1073.2	1012.8
125°	1072.4	1129.8	1180.9	1217.0	1236.2	1246.8	1236.2	1217.0	1180.9	1129.8	1072.4
127.5°	1124.3	1186.4	1233.2	1266.0	1284.7	1293.2	1284.7	1266.0	1233.2	1186.4	1124.3
130°	1153.2	1217.0	1263.8	1300.0	1317.0	1325.5	1317.0	1300.0	1263.8	1217.0	1153.2
132.5°	1175.3	1242.6	1291.1	1323.8	1342.6	1351.1	1342.6	1323.8	1291.1	1242.6	1175.3
135°	1202.1	1272.4	1323.4	1355.3	1372.4	1380.9	1372.4	1355.3	1323.4	1272.4	1202.1
137.5°	1225.5	1289.4	1342.6	1376.2	1391.5	1397.0	1391.5	1376.2	1342.6	1289.4	1225.5
140°	1242.6	1297.9	1351.1	1383.0	1400.0	1402.1	1400.0	1383.0	1351.1	1297.9	1242.6
142.5°	1264.7	1308.1	1354.5	1386.4	1403.4	1407.2	1403.4	1386.4	1354.5	1308.1	1264.7
145°	1304.3	1329.8	1361.7	1391.5	1406.4	1410.7	1406.4	1391.5	1361.7	1329.8	1304.3
147.5°	1354.1	1362.1	1378.7	1398.3	1412.8	1415.8	1412.8	1398.3	1378.7	1362.1	1354.1
150°	1391.5	1389.4	1395.8	1408.5	1421.3	1419.2	1421.3	1408.5	1395.8	1389.4	1391.5
152.5°	1434.1	1421.7	1421.3	1427.2	1433.2	1432.8	1433.2	1427.2	1421.3	1421.7	1434.1
155°	1506.4	1483.0	1470.2	1466.0	1466.0	1463.8	1466.0	1466.0	1470.2	1483.0	1506.4
157.5°	1586.0	1553.2	1534.1	1523.8	1520.9	1516.2	1520.9	1523.8	1534.1	1553.2	1586.0
160°	1640.4	1604.3	1585.1	1568.1	1561.7	1555.3	1561.7	1568.1	1585.1	1604.3	1640.4
162.5°	1691.5	1657.0	1636.2	1620.9	1614.5	1604.7	1614.5	1620.9	1636.2	1657.0	1691.5
165°	1774.5	1738.3	1714.9	1702.1	1693.6	1685.1	1693.6	1702.1	1714.9	1738.3	1774.5
167.5°	1857.5	1817.9	1802.6	1788.1	1780.0	1764.7	1780.0	1788.1	1802.6	1817.9	1857.5
170°	1908.5	1872.4	1863.8	1851.1	1836.2	1819.2	1836.2	1851.1	1863.8	1872.4	1908.5
172.5°	1952.8	1928.5	1920.0	1907.3	1902.6	1889.0	1902.6	1907.3	1920.0	1928.5	1952.8
175°	2017.0	1997.9	1997.9	1995.8	1989.4	1976.6	1989.4	1995.8	1997.9	1997.9	2017.0
177.5°	2070.7	2060.4	2067.3	2067.3	2065.6	2053.6	2065.6	2067.3	2067.3	2060.4	2070.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CATALOG NUMBER: SQ2W-WBN-K-150U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	5966.8	5966.8	5966.8	5966.8
2.5°	5928.4	5948.5	5953.0	5957.5
5°	5714.6	5731.7	5735.5	5739.3
7.5°	5286.1	5294.9	5291.7	5288.5
10°	4909.0	4921.0	4912.6	4904.1
12.5°	4458.0	4468.9	4474.4	4479.8
15°	3757.7	3788.1	3807.8	3827.6
17.5°	3077.7	3098.3	3090.6	3083.0
20°	2637.1	2649.9	2647.6	2645.2
22.5°	2276.9	2293.9	2293.4	2292.9
25°	1821.3	1832.6	1834.0	1835.5
27.5°	1483.9	1493.5	1499.4	1505.2
30°	1321.0	1330.7	1335.4	1340.1
32.5°	1183.6	1192.3	1192.1	1191.9
35°	993.6	1000.6	997.8	995.0
37.5°	818.7	824.6	821.9	819.3
40°	704.6	708.7	706.9	705.0
42.5°	593.7	596.3	588.4	580.5
45°	425.2	414.0	389.1	364.1
47.5°	278.0	253.2	218.7	184.2
50°	194.8	164.4	140.4	116.4
52.5°	142.8	114.0	101.7	89.3
55°	88.9	72.9	68.2	63.5
57.5°	60.3	54.4	51.7	49.1
60°	49.0	46.1	44.2	42.3
62.5°	41.7	40.4	39.2	38.1
65°	33.9	33.8	33.3	32.8
67.5°	28.9	28.9	28.4	27.9
70°	26.1	26.3	25.9	25.4
72.5°	22.7	23.0	22.5	22.0
75°	18.0	18.0	18.0	18.0
77.5°	13.8	14.2	14.1	14.0
80°	11.3	11.5	11.1	10.6
82.5°	8.8	9.1	9.0	8.9
85°	4.9	5.3	5.3	5.3
87.5°	9.4	6.4	4.7	3.0
90°	38.3	23.4	14.9	6.4
92.5°	82.6	57.4	40.4	23.4
95°	166.0	131.9	93.6	66.0
97.5°	264.3	209.4	171.5	126.0
100°	317.0	263.8	227.7	178.7
102.5°	374.9	330.2	280.4	231.5
105°	478.7	423.4	366.0	310.6
107.5°	574.9	514.0	445.1	395.3
110°	636.2	570.2	497.9	453.2



TEST NUMBER: P1428652

CATALOG NUMBER: SQ2W-WBN-K-150U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	695.8	628.1	554.0	509.4
115°	776.6	702.1	634.0	595.8
117.5°	854.5	777.9	706.0	675.8
120°	902.1	825.5	755.3	731.9
122.5°	941.3	866.4	801.3	791.5
125°	1000.0	923.4	868.1	880.9
127.5°	1047.7	977.5	942.6	971.1
130°	1076.6	1014.9	993.6	1034.1
132.5°	1102.1	1054.1	1044.7	1100.4
135°	1140.4	1112.8	1121.3	1197.9
137.5°	1186.0	1175.3	1203.8	1300.4
140°	1214.9	1221.3	1261.7	1370.2
142.5°	1254.1	1268.9	1321.3	1436.6
145°	1314.9	1346.8	1414.9	1529.8
147.5°	1383.8	1425.1	1509.4	1627.2
150°	1429.8	1483.0	1572.4	1685.1
152.5°	1482.6	1537.5	1626.8	1741.3
155°	1563.8	1625.5	1719.2	1817.0
157.5°	1646.8	1709.8	1799.2	1884.7
160°	1697.9	1766.0	1846.8	1925.6
162.5°	1755.8	1818.7	1889.4	1959.6
165°	1840.4	1891.5	1949.0	2008.5
167.5°	1911.5	1954.1	1999.2	2045.6
170°	1957.5	1991.5	2029.8	2066.0
172.5°	1996.6	2023.8	2051.9	2083.0
175°	2049.0	2063.8	2080.9	2100.0
177.5°	2089.4	2094.5	2099.6	2108.1
180°	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1428652
 CATALOG NUMBER: SQ2W-WBN-K-150U-075D-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	0.51	1.15	1.61	2.22	3.69	0.14	0.77	1.24	1.85	3.31
	3H	1.73	2.30	2.84	3.38	4.87	1.34	1.90	2.45	2.99	4.48
	4H	2.25	2.78	3.37	3.87	5.36	1.85	2.38	2.97	3.47	4.96
	6H	2.60	3.09	3.73	4.18	5.68	2.18	2.67	3.31	3.76	5.26
	8H	2.75	3.21	3.87	4.31	5.81	2.32	2.78	3.45	3.89	5.38
	12H	2.84	3.28	3.97	4.38	5.89	2.39	2.83	3.52	3.92	5.44
4H	2H	0.83	1.36	1.95	2.45	3.94	0.52	1.05	1.64	2.13	3.63
	3H	2.32	2.76	3.45	3.87	5.38	1.98	2.42	3.10	3.53	5.04
	4H	2.97	3.37	4.09	4.47	6.00	2.61	3.02	3.74	4.12	5.64
	6H	3.45	3.80	4.59	4.92	6.44	3.07	3.41	4.20	4.54	6.06
	8H	3.67	3.99	4.80	5.10	6.64	3.26	3.58	4.39	4.70	6.23
	12H	3.80	4.09	4.95	5.22	6.75	3.37	3.66	4.51	4.79	6.32
8H	4H	3.13	3.45	4.26	4.56	6.10	2.81	3.13	3.94	4.25	5.78
	6H	3.76	4.03	4.92	5.18	6.71	3.40	3.67	4.56	4.83	6.36
	8H	4.08	4.31	5.24	5.45	7.00	3.69	3.92	4.85	5.06	6.61
	12H	4.31	4.51	5.47	5.65	7.23	3.89	4.10	5.05	5.23	6.82
12H	4H	3.10	3.39	4.25	4.52	6.06	2.79	3.08	3.94	4.21	5.75
	6H	3.80	4.03	4.96	5.17	6.72	3.46	3.69	4.62	4.82	6.37
	8H	4.15	4.35	5.31	5.48	7.07	3.77	3.97	4.93	5.11	6.69