

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: P1428364

Luminaire Tested: SQ2W-PW1-K-025U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428364  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PW1-K-025U-100D-L940-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE WAVES LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

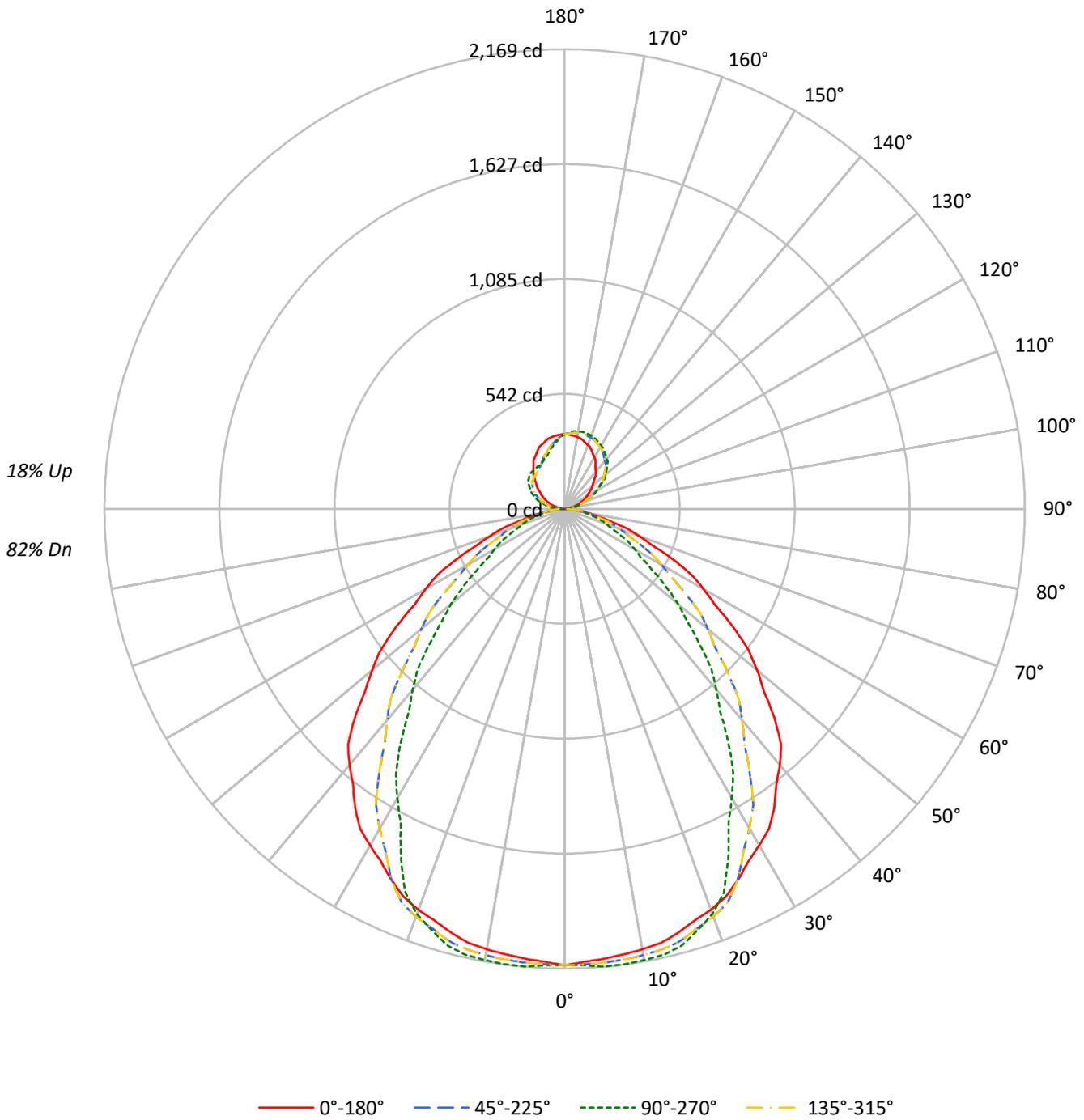
Lumens per Lamp: N/A  
Luminaire Lumens: 5805.4 lumens  
Efficiency: N/A  
Efficacy: 128.7 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 45.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	82
1	106	102	98	95	102	98	95	92	90	88	86	84	82	80	77	76	74	71
2	97	90	84	79	93	87	81	77	80	76	72	75	71	68	69	67	64	61
3	89	80	73	67	86	77	71	65	72	66	62	67	62	59	62	59	56	53
4	82	72	64	58	79	69	62	56	65	59	54	60	55	51	56	52	49	46
5	76	64	56	50	73	62	55	49	58	52	47	55	49	45	51	47	43	41
6	71	58	50	44	68	57	49	43	53	47	42	50	44	40	47	42	38	36
7	66	53	45	39	63	52	44	39	48	42	37	46	40	36	43	38	34	32
8	61	49	41	35	59	47	40	35	45	38	34	42	36	32	40	35	31	29
9	57	45	37	32	55	44	36	31	41	35	30	39	33	29	37	32	28	27
10	54	41	34	29	52	40	33	29	38	32	28	36	31	27	34	29	26	24

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

	0°	90°	180°	270°
0°	34781	34781	34781	34781
5°	34547	35147	34547	35147
10°	34611	35452	34611	35452
15°	34602	35665	34602	35665
20°	34616	34968	34616	34968
25°	34429	32492	34429	32492
30°	34194	29374	34194	29374
35°	33927	26528	33927	26528
40°	33252	23437	33252	23437
45°	31948	20472	31948	20472
50°	29735	17520	29735	17520
55°	27200	14207	27200	14207
60°	24380	12254	24380	12254
65°	21318	10896	21318	10896
70°	17433	9880	17433	9880
75°	13568	9089	13568	9089
80°	10107	8015	10107	8015
85°	6836	4557	6836	4557

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 31948 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.1	3.5
10°-20°	594.4	10.2
20°-30°	874.7	15.1
30°-40°	956.3	16.5
40°-50°	857.9	14.8
50°-60°	639.9	11.0
60°-70°	404.5	7.0
70°-80°	200.4	3.5
80°-90°	48.4	0.8
90°-100°	27.9	0.5
100°-110°	81.4	1.4
110°-120°	132.8	2.3
120°-130°	168.5	2.9
130°-140°	180.3	3.1
140°-150°	168.4	2.9
150°-160°	138.6	2.4
160°-170°	92.9	1.6
170°-180°	33.0	0.6
0°-30°	1674.1	28.8
0°-40°	2630.5	45.3
0°-60°	4128.3	71.1
0°-90°	4781.5	82.4
90°-120°	242.1	4.2
90°-150°	759.4	13.1
90°-180°	1024.0	17.6
0°-180°	5805.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2154	2154	2154	2154	2154	
5°	2132	2169	2132	2169	2132	203
15°	2070	2134	2070	2134	2070	584
25°	1933	1824	1933	1824	1933	890
35°	1721	1346	1721	1346	1721	1074
45°	1399	897	1399	897	1399	1073
55°	966	505	966	505	966	863
65°	558	285	558	285	558	553
75°	218	146	218	146	218	240
85°	37	25	37	25	37	47
90°	1	8	1	15	1	2
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°	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2
2.5°	2139.4	2151.8	2164.2	2161.3	2153.3	2149.6	2150.4	2151.5	2153.6	2155.8	2153.6
5°	2131.6	2147.1	2162.6	2160.3	2152.1	2148.5	2149.4	2152.1	2160.3	2168.6	2160.3
7.5°	2121.0	2136.6	2152.3	2151.6	2145.4	2143.8	2146.9	2151.3	2159.3	2167.3	2159.3
10°	2111.1	2127.5	2143.9	2143.9	2138.5	2138.0	2142.6	2147.8	2155.1	2162.4	2155.1
12.5°	2098.0	2115.1	2132.3	2133.5	2129.5	2130.2	2135.5	2141.2	2148.5	2155.8	2148.5
15°	2070.1	2088.3	2106.6	2110.4	2109.5	2112.3	2118.6	2124.6	2129.1	2133.7	2129.1
17.5°	2037.7	2055.9	2074.1	2077.7	2076.5	2076.6	2078.3	2080.1	2082.3	2084.4	2082.3
20°	2014.7	2032.9	2051.2	2053.7	2050.9	2046.4	2040.0	2035.2	2035.2	2035.2	2035.2
22.5°	1981.9	2001.6	2021.3	2021.4	2015.0	2003.2	1985.8	1971.4	1965.5	1959.7	1965.5
25°	1932.6	1951.8	1970.9	1962.0	1943.8	1916.9	1881.3	1851.2	1837.6	1823.9	1837.6
27.5°	1875.2	1890.7	1906.2	1883.0	1846.9	1803.6	1753.0	1710.4	1691.4	1672.5	1691.4
30°	1834.1	1846.0	1857.9	1821.1	1768.3	1714.0	1658.4	1612.1	1593.9	1575.6	1593.9
32.5°	1791.5	1796.0	1800.6	1752.2	1686.2	1624.3	1566.5	1518.2	1498.5	1478.8	1498.5
35°	1721.3	1713.1	1704.9	1640.6	1557.6	1487.0	1428.6	1380.5	1363.2	1345.9	1363.2
37.5°	1638.4	1614.0	1589.5	1517.1	1428.7	1353.9	1292.8	1242.2	1223.0	1203.9	1223.0
40°	1577.7	1543.0	1508.4	1430.7	1338.6	1262.0	1200.9	1150.3	1131.1	1112.0	1131.1
42.5°	1510.4	1467.0	1423.6	1343.7	1251.6	1175.0	1113.9	1063.1	1043.2	1023.3	1043.2
45°	1399.2	1348.1	1297.1	1213.9	1120.0	1043.4	984.1	934.9	915.7	896.6	915.7
47.5°	1274.1	1223.4	1172.7	1089.7	995.9	920.4	862.9	815.7	799.3	782.9	799.3
50°	1183.8	1134.5	1085.3	1006.0	916.6	843.2	785.8	737.7	717.6	697.5	717.6
52.5°	1091.9	1047.7	1003.6	927.2	840.0	767.0	708.1	657.1	629.7	602.4	629.7
55°	966.3	924.4	882.4	810.4	728.3	654.5	588.8	535.7	520.2	504.7	520.2
57.5°	837.1	800.8	764.5	699.7	625.5	558.6	499.0	451.0	438.3	425.5	438.3
60°	755.0	723.1	691.2	629.2	557.1	496.0	445.9	405.1	392.3	379.5	392.3
62.5°	676.2	647.9	619.7	560.2	490.4	435.5	395.6	363.0	352.4	341.8	352.4
65°	558.0	537.1	516.1	467.1	408.7	363.1	330.3	303.4	294.3	285.2	294.3
67.5°	443.1	431.5	419.8	383.1	338.1	301.1	272.3	249.2	243.2	237.2	243.2
70°	369.3	365.6	362.0	331.7	292.5	261.0	237.3	218.4	213.8	209.3	213.8
72.5°	305.3	306.7	308.2	283.0	248.9	222.5	203.9	189.2	186.1	183.0	186.1
75°	217.5	224.8	232.1	215.4	190.8	172.1	159.3	149.3	147.5	145.7	147.5
77.5°	148.1	159.1	170.0	159.2	141.2	127.4	117.9	110.4	109.0	107.5	109.0
80°	108.7	119.7	130.6	123.1	109.4	98.9	91.6	86.2	86.2	86.2	86.2
82.5°	75.9	84.7	93.4	88.1	78.1	71.2	67.6	64.8	64.8	64.8	64.8
85°	36.9	41.5	46.0	44.5	40.8	36.2	30.8	26.4	25.5	24.6	25.5
87.5°	10.1	12.5	15.1	13.2	9.7	7.6	6.9	6.4	6.5	6.5	6.5
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°	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2
2.5°	2151.5	2150.4	2149.6	2153.3	2161.3	2164.2	2151.8	2139.4	2151.8	2164.2	2161.3
5°	2152.1	2149.4	2148.5	2152.1	2160.3	2162.6	2147.1	2131.6	2147.1	2162.6	2160.3
7.5°	2151.3	2146.9	2143.8	2145.4	2151.6	2152.3	2136.6	2121.0	2136.6	2152.3	2151.6
10°	2147.8	2142.6	2138.0	2138.5	2143.9	2143.9	2127.5	2111.1	2127.5	2143.9	2143.9
12.5°	2141.2	2135.5	2130.2	2129.5	2133.5	2132.3	2115.1	2098.0	2115.1	2132.3	2133.5
15°	2124.6	2118.6	2112.3	2109.5	2110.4	2106.6	2088.3	2070.1	2088.3	2106.6	2110.4
17.5°	2080.1	2078.3	2076.6	2076.5	2077.7	2074.1	2055.9	2037.7	2055.9	2074.1	2077.7
20°	2035.2	2040.0	2046.4	2050.9	2053.7	2051.2	2032.9	2014.7	2032.9	2051.2	2053.7
22.5°	1971.4	1985.8	2003.2	2015.0	2021.4	2021.3	2001.6	1981.9	2001.6	2021.3	2021.4
25°	1851.2	1881.3	1916.9	1943.8	1962.0	1970.9	1951.8	1932.6	1951.8	1970.9	1962.0
27.5°	1710.4	1753.0	1803.6	1846.9	1883.0	1906.2	1890.7	1875.2	1890.7	1906.2	1883.0
30°	1612.1	1658.4	1714.0	1768.3	1821.1	1857.9	1846.0	1834.1	1846.0	1857.9	1821.1
32.5°	1518.2	1566.5	1624.3	1686.2	1752.2	1800.6	1796.0	1791.5	1796.0	1800.6	1752.2
35°	1380.5	1428.6	1487.0	1557.6	1640.6	1704.9	1713.1	1721.3	1713.1	1704.9	1640.6
37.5°	1242.2	1292.8	1353.9	1428.7	1517.1	1589.5	1614.0	1638.4	1614.0	1589.5	1517.1
40°	1150.3	1200.9	1262.0	1338.6	1430.7	1508.4	1543.0	1577.7	1543.0	1508.4	1430.7
42.5°	1063.1	1113.9	1175.0	1251.6	1343.7	1423.6	1467.0	1510.4	1467.0	1423.6	1343.7
45°	934.9	984.1	1043.4	1120.0	1213.9	1297.1	1348.1	1399.2	1348.1	1297.1	1213.9
47.5°	815.7	862.9	920.4	995.9	1089.7	1172.7	1223.4	1274.1	1223.4	1172.7	1089.7
50°	737.7	785.8	843.2	916.6	1006.0	1085.3	1134.5	1183.8	1134.5	1085.3	1006.0
52.5°	657.1	708.1	767.0	840.0	927.2	1003.6	1047.7	1091.9	1047.7	1003.6	927.2
55°	535.7	588.8	654.5	728.3	810.4	882.4	924.4	966.3	924.4	882.4	810.4
57.5°	451.0	499.0	558.6	625.5	699.7	764.5	800.8	837.1	800.8	764.5	699.7
60°	405.1	445.9	496.0	557.1	629.2	691.2	723.1	755.0	723.1	691.2	629.2
62.5°	363.0	395.6	435.5	490.4	560.2	619.7	647.9	676.2	647.9	619.7	560.2
65°	303.4	330.3	363.1	408.7	467.1	516.1	537.1	558.0	537.1	516.1	467.1
67.5°	249.2	272.3	301.1	338.1	383.1	419.8	431.5	443.1	431.5	419.8	383.1
70°	218.4	237.3	261.0	292.5	331.7	362.0	365.6	369.3	365.6	362.0	331.7
72.5°	189.2	203.9	222.5	248.9	283.0	308.2	306.7	305.3	306.7	308.2	283.0
75°	149.3	159.3	172.1	190.8	215.4	232.1	224.8	217.5	224.8	232.1	215.4
77.5°	110.4	117.9	127.4	141.2	159.2	170.0	159.1	148.1	159.1	170.0	159.2
80°	86.2	91.6	98.9	109.4	123.1	130.6	119.7	108.7	119.7	130.6	123.1
82.5°	64.8	67.6	71.2	78.1	88.1	93.4	84.7	75.9	84.7	93.4	88.1
85°	26.4	30.8	36.2	40.8	44.5	46.0	41.5	36.9	41.5	46.0	44.5
87.5°	6.4	6.9	7.6	9.7	13.2	15.1	12.5	10.1	12.5	15.0	13.3
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: P1428364

CATALOG NUMBER: SQ2W-PW1-K-025U-100D-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: P1428364

CATALOG NUMBER: SQ2W-PW1-K-025U-100D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2
2.5°	2153.3	2149.6	2150.4	2151.5	2153.6	2155.8	2153.6	2151.5	2150.4	2149.6	2153.3
5°	2152.1	2148.5	2149.4	2152.1	2160.3	2168.6	2160.3	2152.1	2149.4	2148.5	2152.1
7.5°	2145.4	2143.8	2146.9	2151.3	2159.3	2167.3	2159.3	2151.3	2146.9	2143.8	2145.4
10°	2138.5	2138.0	2142.6	2147.8	2155.1	2162.4	2155.1	2147.8	2142.6	2138.0	2138.5
12.5°	2129.5	2130.2	2135.5	2141.2	2148.5	2155.8	2148.5	2141.2	2135.5	2130.2	2129.5
15°	2109.5	2112.3	2118.6	2124.6	2129.1	2133.7	2129.1	2124.6	2118.6	2112.3	2109.5
17.5°	2076.5	2076.6	2078.3	2080.1	2082.3	2084.4	2082.3	2080.1	2078.3	2076.6	2076.5
20°	2050.9	2046.4	2040.0	2035.2	2035.2	2035.2	2035.2	2035.2	2040.0	2046.4	2050.9
22.5°	2015.0	2003.2	1985.8	1971.4	1965.5	1959.7	1965.5	1971.4	1985.8	2003.2	2015.0
25°	1943.8	1916.9	1881.3	1851.2	1837.6	1823.9	1837.6	1851.2	1881.3	1916.9	1943.8
27.5°	1846.9	1803.6	1753.0	1710.4	1691.4	1672.5	1691.4	1710.4	1753.0	1803.6	1846.9
30°	1768.3	1714.0	1658.4	1612.1	1593.9	1575.6	1593.9	1612.1	1658.4	1714.0	1768.3
32.5°	1686.2	1624.3	1566.5	1518.2	1498.5	1478.8	1498.5	1518.2	1566.5	1624.3	1686.2
35°	1557.6	1487.0	1428.6	1380.5	1363.2	1345.9	1363.2	1380.5	1428.6	1487.0	1557.6
37.5°	1428.7	1353.9	1292.8	1242.2	1223.0	1203.9	1223.0	1242.2	1292.8	1353.9	1428.7
40°	1338.6	1262.0	1200.9	1150.3	1131.1	1112.0	1131.1	1150.3	1200.9	1262.0	1338.6
42.5°	1251.6	1175.0	1113.9	1063.1	1043.2	1023.3	1043.2	1063.1	1113.9	1175.0	1251.6
45°	1120.0	1043.4	984.1	934.9	915.7	896.6	915.7	934.9	984.1	1043.4	1120.0
47.5°	995.9	920.4	862.9	815.7	799.3	782.9	799.3	815.7	862.9	920.4	995.9
50°	916.6	843.2	785.8	737.7	717.6	697.5	717.6	737.7	785.8	843.2	916.6
52.5°	840.0	767.0	708.1	657.1	629.7	602.4	629.7	657.1	708.1	767.0	840.0
55°	728.3	654.5	588.8	535.7	520.2	504.7	520.2	535.7	588.8	654.5	728.3
57.5°	625.5	558.6	499.0	451.0	438.3	425.5	438.3	451.0	499.0	558.6	625.5
60°	557.1	496.0	445.9	405.1	392.3	379.5	392.3	405.1	445.9	496.0	557.1
62.5°	490.4	435.5	395.6	363.0	352.4	341.8	352.4	363.0	395.6	435.5	490.4
65°	408.7	363.1	330.3	303.4	294.3	285.2	294.3	303.4	330.3	363.1	408.7
67.5°	338.1	301.1	272.3	249.2	243.2	237.2	243.2	249.2	272.3	301.1	338.1
70°	292.5	261.0	237.3	218.4	213.8	209.3	213.8	218.4	237.3	261.0	292.5
72.5°	248.9	222.5	203.9	189.2	186.1	183.0	186.1	189.2	203.9	222.5	248.9
75°	190.8	172.1	159.3	149.3	147.5	145.7	147.5	149.3	159.3	172.1	190.8
77.5°	141.2	127.4	117.9	110.4	109.0	107.5	109.0	110.4	117.9	127.4	141.2
80°	109.4	98.9	91.6	86.2	86.2	86.2	86.2	86.2	91.6	98.9	109.4
82.5°	78.1	71.2	67.6	64.8	64.8	64.8	64.8	64.8	67.6	71.2	78.1
85°	40.8	36.2	30.8	26.4	25.5	24.6	25.5	26.4	30.8	36.2	40.8
87.5°	10.0	8.3	8.1	7.8	8.1	8.0	8.1	7.8	8.1	8.3	10.0
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: P1428364

CATALOG NUMBER: SQ2W-PW1-K-025U-100D-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: P1428364

CATALOG NUMBER: SQ2W-PW1-K-025U-100D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2154.2	2154.2	2154.2	2154.2
2.5°	2161.3	2164.2	2151.8	2139.4
5°	2160.3	2162.6	2147.1	2131.6
7.5°	2151.6	2152.3	2136.6	2121.0
10°	2143.9	2143.9	2127.5	2111.1
12.5°	2133.5	2132.3	2115.1	2098.0
15°	2110.4	2106.6	2088.3	2070.1
17.5°	2077.7	2074.1	2055.9	2037.7
20°	2053.7	2051.2	2032.9	2014.7
22.5°	2021.4	2021.3	2001.6	1981.9
25°	1962.0	1970.9	1951.8	1932.6
27.5°	1883.0	1906.2	1890.7	1875.2
30°	1821.1	1857.9	1846.0	1834.1
32.5°	1752.2	1800.6	1796.0	1791.5
35°	1640.6	1704.9	1713.1	1721.3
37.5°	1517.1	1589.5	1614.0	1638.4
40°	1430.7	1508.4	1543.0	1577.7
42.5°	1343.7	1423.6	1467.0	1510.4
45°	1213.9	1297.1	1348.1	1399.2
47.5°	1089.7	1172.7	1223.4	1274.1
50°	1006.0	1085.3	1134.5	1183.8
52.5°	927.2	1003.6	1047.7	1091.9
55°	810.4	882.4	924.4	966.3
57.5°	699.7	764.5	800.8	837.1
60°	629.2	691.2	723.1	755.0
62.5°	560.2	619.7	647.9	676.2
65°	467.1	516.1	537.1	558.0
67.5°	383.1	419.8	431.5	443.1
70°	331.7	362.0	365.6	369.3
72.5°	283.0	308.2	306.7	305.3
75°	215.4	232.1	224.8	217.5
77.5°	159.2	170.0	159.1	148.1
80°	123.1	130.6	119.7	108.7
82.5°	88.1	93.4	84.7	75.9
85°	44.5	46.0	41.5	36.9
87.5°	13.3	15.0	12.5	10.1
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: P1428364

CATALOG NUMBER: SQ2W-PW1-K-025U-100D-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: P1428364  
 CATALOG NUMBER: SQ2W-PW1-K-025U-100D-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	21.88	23.06	22.51	23.69	24.41	18.13	19.30	18.75	19.94	20.66
	3H	23.21	24.26	23.85	24.90	25.66	19.42	20.47	20.06	21.12	21.88
	4H	23.63	24.62	24.29	25.27	26.05	19.94	20.93	20.60	21.59	22.36
	6H	23.82	24.74	24.50	25.40	26.19	20.27	21.18	20.94	21.84	22.63
	8H	23.88	24.74	24.56	25.43	26.22	20.39	21.26	21.07	21.94	22.73
	12H	23.89	24.71	24.58	25.39	26.21	20.43	21.26	21.12	21.94	22.75
4H	2H	22.05	23.04	22.71	23.69	24.47	18.98	19.97	19.64	20.62	21.39
	3H	23.62	24.44	24.29	25.13	25.92	20.45	21.27	21.13	21.96	22.75
	4H	24.18	24.92	24.87	25.61	26.44	21.04	21.78	21.73	22.48	23.30
	6H	24.50	25.14	25.22	25.87	26.70	21.44	22.08	22.16	22.81	23.64
	8H	24.60	25.20	25.32	25.92	26.76	21.60	22.20	22.32	22.92	23.76
	12H	24.64	25.17	25.37	25.92	26.76	21.65	22.19	22.39	22.94	23.78
8H	4H	24.24	24.83	24.95	25.55	26.40	21.41	22.00	22.12	22.72	23.57
	6H	24.67	25.16	25.42	25.93	26.77	21.91	22.40	22.66	23.17	24.01
	8H	24.84	25.28	25.60	26.05	26.91	22.13	22.57	22.89	23.34	24.20
	12H	24.93	25.32	25.69	26.07	27.00	22.23	22.61	22.99	23.37	24.29
12H	4H	24.21	24.74	24.95	25.49	26.34	21.44	21.97	22.18	22.72	23.57
	6H	24.66	25.10	25.42	25.87	26.73	21.99	22.43	22.75	23.19	24.05
	8H	24.87	25.26	25.63	26.01	26.93	22.24	22.63	23.00	23.39	24.31