

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: P1428028

Luminaire Tested: SQ2W-PP3-K-025U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428028  
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-100D-L940-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE PRISM 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**

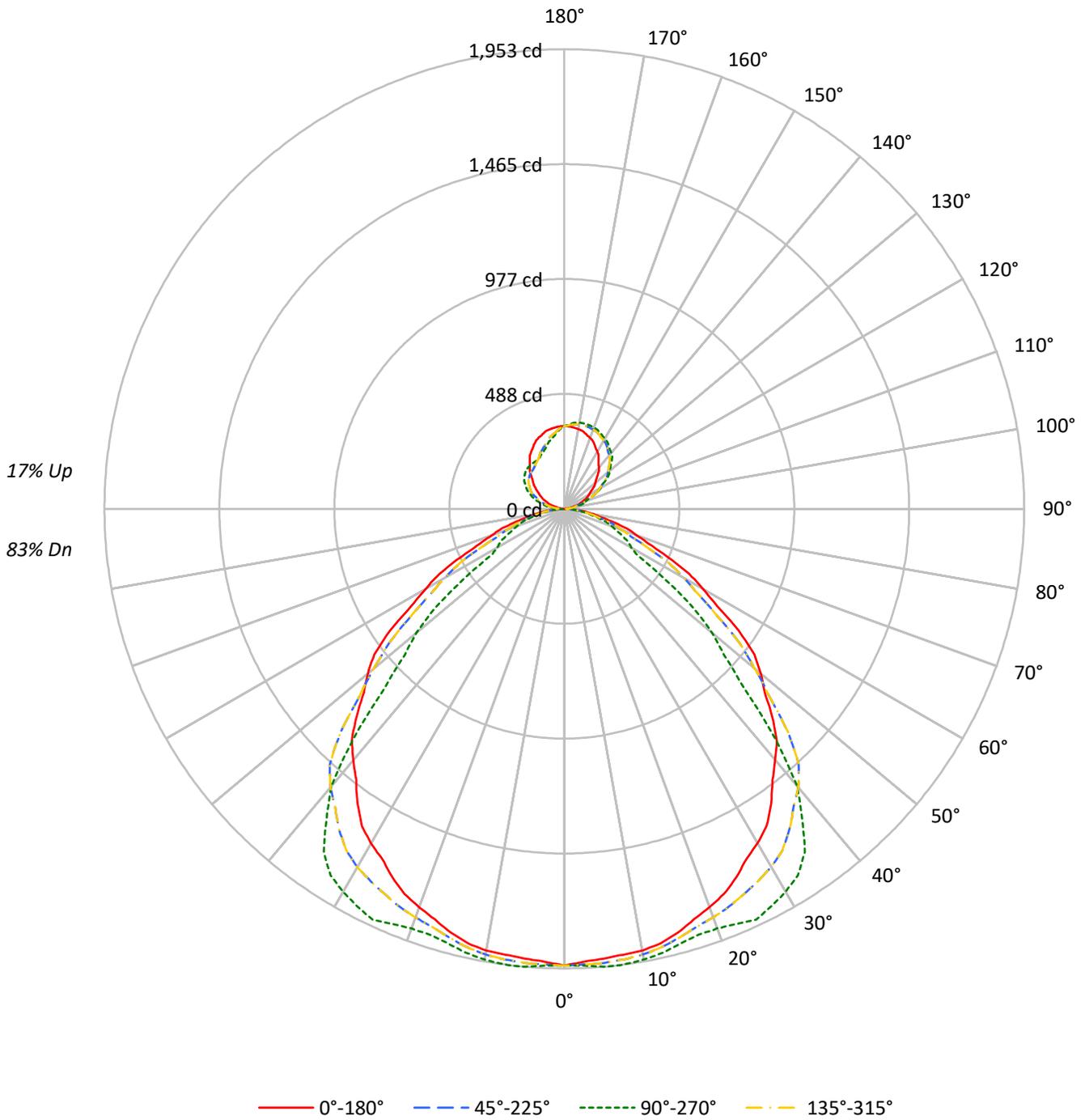
Lumens per Lamp: N/A  
Luminaire Lumens: 5913.3 lumens  
Efficiency: N/A  
Efficacy: 131.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 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	83
1	106	102	98	95	102	98	95	92	91	88	86	84	82	80	78	76	75	72
2	97	90	84	79	93	87	81	77	80	76	72	75	71	68	69	67	64	61
3	89	80	72	67	85	77	70	65	72	66	62	67	62	59	62	59	55	53
4	82	71	63	57	79	69	61	56	64	58	53	60	55	51	56	52	48	46
5	76	64	56	50	72	62	54	49	58	51	46	54	49	44	51	46	42	40
6	70	58	49	44	67	56	48	43	52	46	41	49	44	39	46	41	38	35
7	65	52	44	39	62	51	43	38	48	41	36	45	39	35	42	37	34	31
8	60	48	40	34	58	46	39	34	44	37	33	41	36	31	39	34	30	28
9	56	44	36	31	54	43	35	30	40	34	29	38	32	28	36	31	27	25
10	53	40	33	28	51	39	32	28	37	31	27	35	30	26	33	28	25	23

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

	0°	90°	180°	270°
0°	31335	31335	31335	31335
5°	31090	31654	31090	31654
10°	31247	31886	31247	31886
15°	31172	31961	31172	31961
20°	30949	32606	30949	32606
25°	30775	34320	30775	34320
30°	30599	35036	30599	35036
35°	30166	35100	30166	35100
40°	29360	32430	29360	32430
45°	28482	24687	28482	24687
50°	27364	20562	27364	20562
55°	25469	14784	25469	14784
60°	21929	10601	21929	10601
65°	18498	10426	18498	10426
70°	15399	9975	15399	9975
75°	13056	9345	13056	9345
80°	11064	8396	11064	8396
85°	8744	4557	8744	4557

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 31156 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.8	3.1
10°-20°	534.9	9.0
20°-30°	837.9	14.2
30°-40°	1033.6	17.5
40°-50°	973.1	16.5
50°-60°	689.1	11.7
60°-70°	392.6	6.6
70°-80°	194.4	3.3
80°-90°	49.0	0.8
90°-100°	27.9	0.5
100°-110°	81.4	1.4
110°-120°	132.8	2.2
120°-130°	168.5	2.9
130°-140°	180.3	3.0
140°-150°	168.4	2.8
150°-160°	138.6	2.3
160°-170°	92.9	1.6
170°-180°	33.0	0.6
0°-30°	1557.6	26.3
0°-40°	2591.2	43.8
0°-60°	4253.4	71.9
0°-90°	4889.4	82.7
90°-120°	242.1	4.1
90°-150°	759.4	12.8
90°-180°	1024.0	17.3
0°-180°	5913.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1941	1941	1941	1941	1941	
5°	1918	1953	1918	1953	1918	183
15°	1865	1912	1865	1912	1865	526
25°	1728	1926	1728	1926	1728	796
35°	1530	1781	1530	1781	1530	954
45°	1247	1081	1247	1081	1247	960
55°	905	525	905	525	905	798
65°	484	273	484	273	484	486
75°	209	150	209	150	209	227
85°	47	25	47	25	47	55
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°	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8
2.5°	1926.0	1938.4	1950.9	1947.9	1939.9	1936.6	1938.1	1939.5	1941.0	1942.5	1941.0
5°	1918.3	1933.8	1949.3	1947.0	1938.8	1935.6	1937.4	1940.4	1946.7	1953.1	1946.7
7.5°	1910.9	1926.7	1942.6	1940.5	1932.5	1930.1	1933.2	1937.4	1945.3	1953.1	1945.3
10°	1905.9	1919.6	1933.3	1931.2	1924.0	1922.6	1927.1	1932.2	1938.5	1944.9	1938.5
12.5°	1891.2	1904.1	1917.1	1915.4	1908.8	1908.5	1914.6	1920.5	1926.1	1931.8	1926.1
15°	1864.9	1876.8	1888.6	1888.8	1885.2	1887.5	1895.7	1903.0	1907.5	1912.1	1907.5
17.5°	1829.2	1843.6	1858.0	1861.4	1861.0	1866.6	1878.3	1888.3	1893.0	1897.7	1893.0
20°	1801.3	1818.6	1836.0	1841.7	1843.5	1851.7	1866.3	1879.5	1888.6	1897.7	1888.6
22.5°	1771.8	1792.0	1812.3	1819.8	1823.1	1835.6	1857.5	1877.9	1893.5	1909.2	1893.5
25°	1727.5	1747.5	1767.6	1782.2	1794.9	1817.3	1849.2	1879.0	1902.8	1926.5	1902.8
27.5°	1675.8	1695.6	1715.5	1740.6	1767.4	1798.8	1834.7	1866.3	1885.1	1903.9	1885.1
30°	1641.3	1660.4	1679.6	1708.3	1740.2	1774.9	1812.3	1844.6	1861.9	1879.3	1861.9
32.5°	1598.6	1618.5	1638.4	1668.9	1703.0	1740.2	1780.5	1814.7	1830.6	1846.6	1830.6
35°	1530.5	1549.6	1568.8	1604.4	1645.4	1686.9	1728.8	1762.6	1771.7	1780.8	1771.7
37.5°	1452.1	1473.8	1495.5	1535.4	1581.4	1616.1	1639.6	1657.4	1658.0	1658.5	1658.0
40°	1393.0	1421.3	1449.6	1489.5	1533.2	1557.4	1562.0	1562.4	1550.6	1538.7	1550.6
42.5°	1335.6	1371.9	1408.2	1440.2	1470.9	1477.2	1459.1	1432.4	1379.7	1327.0	1379.7
45°	1247.4	1290.2	1333.1	1352.7	1364.5	1324.4	1232.3	1154.1	1117.7	1081.2	1117.7
47.5°	1153.4	1195.7	1238.0	1232.6	1211.3	1150.5	1050.4	969.0	943.9	918.7	943.9
50°	1089.4	1129.5	1169.6	1140.7	1088.7	1020.3	935.5	866.0	842.3	818.6	842.3
52.5°	1017.2	1052.9	1088.7	1045.0	974.7	902.7	828.8	764.4	728.3	692.2	728.3
55°	904.8	929.4	954.0	906.1	834.1	754.8	668.1	594.5	559.9	525.2	559.9
57.5°	769.4	786.7	804.0	766.3	710.4	631.5	529.7	443.7	404.9	366.0	404.9
60°	679.1	692.8	706.4	672.2	622.1	546.9	446.6	366.6	347.4	328.3	347.4
62.5°	597.0	609.2	621.5	585.8	534.2	467.0	384.2	320.4	313.7	306.9	313.7
65°	484.2	496.0	507.9	470.5	416.7	364.3	313.2	274.7	273.8	272.9	273.8
67.5°	385.3	398.2	411.2	376.0	324.7	286.0	259.7	239.8	238.7	237.6	238.7
70°	326.2	339.9	353.6	320.7	272.4	240.9	226.4	215.0	213.1	211.3	213.1
72.5°	277.0	289.9	302.9	274.2	231.7	205.8	196.3	188.9	187.8	186.7	187.8
75°	209.3	219.3	229.3	208.6	177.6	159.8	155.2	151.6	150.7	149.8	150.7
77.5°	151.8	158.2	164.6	151.0	130.8	119.4	117.1	115.1	114.2	113.2	114.2
80°	119.0	121.7	124.5	114.9	101.2	93.9	93.0	92.1	91.2	90.3	91.2
82.5°	89.5	88.5	87.6	82.1	75.0	70.9	70.0	68.9	67.3	65.7	67.3
85°	47.2	45.4	43.5	41.7	39.9	37.2	33.5	30.1	27.4	24.6	27.4
87.5°	15.0	15.3	15.6	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°	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8
2.5°	1939.5	1938.1	1936.6	1939.9	1947.9	1950.9	1938.4	1926.0	1938.4	1950.9	1947.9
5°	1940.4	1937.4	1935.6	1938.8	1947.0	1949.3	1933.8	1918.3	1933.8	1949.3	1947.0
7.5°	1937.4	1933.2	1930.1	1932.5	1940.5	1942.6	1926.7	1910.9	1926.7	1942.6	1940.5
10°	1932.2	1927.1	1922.6	1924.0	1931.2	1933.3	1919.6	1905.9	1919.6	1933.3	1931.2
12.5°	1920.5	1914.6	1908.5	1908.8	1915.4	1917.1	1904.1	1891.2	1904.1	1917.1	1915.4
15°	1903.0	1895.7	1887.5	1885.2	1888.8	1888.6	1876.8	1864.9	1876.8	1888.6	1888.8
17.5°	1888.3	1878.3	1866.6	1861.0	1861.4	1858.0	1843.6	1829.2	1843.6	1858.0	1861.4
20°	1879.5	1866.3	1851.7	1843.5	1841.7	1836.0	1818.6	1801.3	1818.6	1836.0	1841.7
22.5°	1877.9	1857.5	1835.6	1823.1	1819.8	1812.3	1792.0	1771.8	1792.0	1812.3	1819.8
25°	1879.0	1849.2	1817.3	1794.9	1782.2	1767.6	1747.5	1727.5	1747.5	1767.6	1782.2
27.5°	1866.3	1834.7	1798.8	1767.4	1740.6	1715.5	1695.6	1675.8	1695.6	1715.5	1740.6
30°	1844.6	1812.3	1774.9	1740.2	1708.3	1679.6	1660.4	1641.3	1660.4	1679.6	1708.3
32.5°	1814.7	1780.5	1740.2	1703.0	1668.9	1638.4	1618.5	1598.6	1618.5	1638.4	1668.9
35°	1762.6	1728.8	1686.9	1645.4	1604.4	1568.8	1549.6	1530.5	1549.6	1568.8	1604.4
37.5°	1657.4	1639.6	1616.1	1581.4	1535.4	1495.5	1473.8	1452.1	1473.8	1495.5	1535.4
40°	1562.4	1562.0	1557.4	1533.2	1489.5	1449.6	1421.3	1393.0	1421.3	1449.6	1489.5
42.5°	1432.4	1459.1	1477.2	1470.9	1440.2	1408.2	1371.9	1335.6	1371.9	1408.2	1440.2
45°	1154.1	1232.3	1324.4	1364.5	1352.7	1333.1	1290.2	1247.4	1290.2	1333.1	1352.7
47.5°	969.0	1050.4	1150.5	1211.3	1232.6	1238.0	1195.7	1153.4	1195.7	1238.0	1232.6
50°	866.0	935.5	1020.3	1088.7	1140.7	1169.6	1129.5	1089.4	1129.5	1169.6	1140.7
52.5°	764.4	828.8	902.7	974.7	1045.0	1088.7	1052.9	1017.2	1052.9	1088.7	1045.0
55°	594.5	668.1	754.8	834.1	906.1	954.0	929.4	904.8	929.4	954.0	906.1
57.5°	443.7	529.7	631.5	710.4	766.3	804.0	786.7	769.4	786.7	804.0	766.3
60°	366.6	446.6	546.9	622.1	672.2	706.4	692.8	679.1	692.8	706.4	672.2
62.5°	320.4	384.2	467.0	534.2	585.8	621.5	609.2	597.0	609.2	621.5	585.8
65°	274.7	313.2	364.3	416.7	470.5	507.9	496.0	484.2	496.0	507.9	470.5
67.5°	239.8	259.7	286.0	324.7	376.0	411.2	398.2	385.3	398.2	411.2	376.0
70°	215.0	226.4	240.9	272.4	320.7	353.6	339.9	326.2	339.9	353.6	320.7
72.5°	188.9	196.3	205.8	231.7	274.2	302.9	289.9	277.0	289.9	302.9	274.2
75°	151.6	155.2	159.8	177.6	208.6	229.3	219.3	209.3	219.3	229.3	208.6
77.5°	115.1	117.1	119.4	130.8	151.0	164.6	158.2	151.8	158.2	164.6	151.0
80°	92.1	93.0	93.9	101.2	114.9	124.5	121.7	119.0	121.7	124.5	114.9
82.5°	68.9	70.0	70.9	75.0	82.1	87.6	88.5	89.5	88.5	87.6	82.1
85°	30.1	33.5	37.2	39.9	41.7	43.5	45.4	47.2	45.4	43.5	41.7
87.5°	6.4	6.9	7.6	9.7	13.2	15.6	15.3	15.0	15.3	15.6	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: P1428028

CATALOG NUMBER: SQ2W-PP3-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: P1428028

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8
2.5°	1939.9	1936.6	1938.1	1939.5	1941.0	1942.5	1941.0	1939.5	1938.1	1936.6	1939.9
5°	1938.8	1935.6	1937.4	1940.4	1946.7	1953.1	1946.7	1940.4	1937.4	1935.6	1938.8
7.5°	1932.5	1930.1	1933.2	1937.4	1945.3	1953.1	1945.3	1937.4	1933.2	1930.1	1932.5
10°	1924.0	1922.6	1927.1	1932.2	1938.5	1944.9	1938.5	1932.2	1927.1	1922.6	1924.0
12.5°	1908.8	1908.5	1914.6	1920.5	1926.1	1931.8	1926.1	1920.5	1914.6	1908.5	1908.8
15°	1885.2	1887.5	1895.7	1903.0	1907.5	1912.1	1907.5	1903.0	1895.7	1887.5	1885.2
17.5°	1861.0	1866.6	1878.3	1888.3	1893.0	1897.7	1893.0	1888.3	1878.3	1866.6	1861.0
20°	1843.5	1851.7	1866.3	1879.5	1888.6	1897.7	1888.6	1879.5	1866.3	1851.7	1843.5
22.5°	1823.1	1835.6	1857.5	1877.9	1893.5	1909.2	1893.5	1877.9	1857.5	1835.6	1823.1
25°	1794.9	1817.3	1849.2	1879.0	1902.8	1926.5	1902.8	1879.0	1849.2	1817.3	1794.9
27.5°	1767.4	1798.8	1834.7	1866.3	1885.1	1903.9	1885.1	1866.3	1834.7	1798.8	1767.4
30°	1740.2	1774.9	1812.3	1844.6	1861.9	1879.3	1861.9	1844.6	1812.3	1774.9	1740.2
32.5°	1703.0	1740.2	1780.5	1814.7	1830.6	1846.4	1830.6	1814.7	1780.5	1740.2	1703.0
35°	1645.4	1686.9	1728.8	1762.6	1771.7	1780.8	1771.7	1762.6	1728.8	1686.9	1645.4
37.5°	1581.4	1616.1	1639.6	1657.4	1658.0	1658.5	1658.0	1657.4	1639.6	1616.1	1581.4
40°	1533.2	1557.4	1562.0	1562.4	1550.6	1538.7	1550.6	1562.4	1562.0	1557.4	1533.2
42.5°	1470.9	1477.2	1459.1	1432.4	1379.7	1327.0	1379.7	1432.4	1459.1	1477.2	1470.9
45°	1364.5	1324.4	1232.3	1154.1	1117.7	1081.2	1117.7	1154.1	1232.3	1324.4	1364.5
47.5°	1211.3	1150.5	1050.4	969.0	943.9	918.7	943.9	969.0	1050.4	1150.5	1211.3
50°	1088.7	1020.3	935.5	866.0	842.3	818.6	842.3	866.0	935.5	1020.3	1088.7
52.5°	974.7	902.7	828.8	764.4	728.3	692.2	728.3	764.4	828.8	902.7	974.7
55°	834.1	754.8	668.1	594.5	559.9	525.2	559.9	594.5	668.1	754.8	834.1
57.5°	710.4	631.5	529.7	443.7	404.9	366.0	404.9	443.7	529.7	631.5	710.4
60°	622.1	546.9	446.6	366.6	347.4	328.3	347.4	366.6	446.6	546.9	622.1
62.5°	534.2	467.0	384.2	320.4	313.7	306.9	313.7	320.4	384.2	467.0	534.2
65°	416.7	364.3	313.2	274.7	273.8	272.9	273.8	274.7	313.2	364.3	416.7
67.5°	324.7	286.0	259.7	239.8	238.7	237.6	238.7	239.8	259.7	286.0	324.7
70°	272.4	240.9	226.4	215.0	213.1	211.3	213.1	215.0	226.4	240.9	272.4
72.5°	231.7	205.8	196.3	188.9	187.8	186.7	187.8	188.9	196.3	205.8	231.7
75°	177.6	159.8	155.2	151.6	150.7	149.8	150.7	151.6	155.2	159.8	177.6
77.5°	130.8	119.4	117.1	115.1	114.2	113.2	114.2	115.1	117.1	119.4	130.8
80°	101.2	93.9	93.0	92.1	91.2	90.3	91.2	92.1	93.0	93.9	101.2
82.5°	75.0	70.9	70.0	68.9	67.3	65.7	67.3	68.9	70.0	70.9	75.0
85°	39.9	37.2	33.5	30.1	27.4	24.6	27.4	30.1	33.5	37.2	39.9
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: P1428028

CATALOG NUMBER: SQ2W-PP3-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: P1428028

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1940.8	1940.8	1940.8	1940.8
2.5°	1947.9	1950.9	1938.4	1926.0
5°	1947.0	1949.3	1933.8	1918.3
7.5°	1940.5	1942.6	1926.7	1910.9
10°	1931.2	1933.3	1919.6	1905.9
12.5°	1915.4	1917.1	1904.1	1891.2
15°	1888.8	1888.6	1876.8	1864.9
17.5°	1861.4	1858.0	1843.6	1829.2
20°	1841.7	1836.0	1818.6	1801.3
22.5°	1819.8	1812.3	1792.0	1771.8
25°	1782.2	1767.6	1747.5	1727.5
27.5°	1740.6	1715.5	1695.6	1675.8
30°	1708.3	1679.6	1660.4	1641.3
32.5°	1668.9	1638.4	1618.5	1598.6
35°	1604.4	1568.8	1549.6	1530.5
37.5°	1535.4	1495.5	1473.8	1452.1
40°	1489.5	1449.6	1421.3	1393.0
42.5°	1440.2	1408.2	1371.9	1335.6
45°	1352.7	1333.1	1290.2	1247.4
47.5°	1232.6	1238.0	1195.7	1153.4
50°	1140.7	1169.6	1129.5	1089.4
52.5°	1045.0	1088.7	1052.9	1017.2
55°	906.1	954.0	929.4	904.8
57.5°	766.3	804.0	786.7	769.4
60°	672.2	706.4	692.8	679.1
62.5°	585.8	621.5	609.2	597.0
65°	470.5	507.9	496.0	484.2
67.5°	376.0	411.2	398.2	385.3
70°	320.7	353.6	339.9	326.2
72.5°	274.2	302.9	289.9	277.0
75°	208.6	229.3	219.3	209.3
77.5°	151.0	164.6	158.2	151.8
80°	114.9	124.5	121.7	119.0
82.5°	82.1	87.6	88.5	89.5
85°	41.7	43.5	45.4	47.2
87.5°	13.3	15.6	15.3	15.0
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: P1428028

CATALOG NUMBER: SQ2W-PP3-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: P1428028  
 CATALOG NUMBER: SQ2W-PP3-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	22.07	23.27	22.69	23.89	24.61	17.84	19.04	18.46	19.66	20.38
	3H	23.16	24.23	23.79	24.86	25.62	19.18	20.25	19.81	20.89	21.64
	4H	23.54	24.55	24.20	25.20	25.96	19.75	20.75	20.41	21.41	22.17
	6H	23.75	24.68	24.42	25.34	26.12	20.13	21.06	20.80	21.72	22.50
	8H	23.83	24.70	24.51	25.39	26.17	20.27	21.15	20.95	21.83	22.61
	12H	23.86	24.70	24.54	25.37	26.18	20.32	21.16	21.00	21.83	22.64
4H	2H	22.23	23.24	22.89	23.89	24.65	18.79	19.80	19.45	20.45	21.21
	3H	23.56	24.39	24.23	25.08	25.86	20.25	21.08	20.92	21.77	22.55
	4H	24.08	24.83	24.77	25.52	26.34	20.88	21.63	21.57	22.33	23.14
	6H	24.41	25.06	25.12	25.78	26.60	21.35	21.99	22.06	22.71	23.54
	8H	24.53	25.13	25.24	25.85	26.68	21.52	22.13	22.24	22.84	23.68
	12H	24.59	25.13	25.32	25.87	26.71	21.59	22.13	22.32	22.87	23.71
8H	4H	24.12	24.73	24.83	25.44	26.28	21.22	21.82	21.93	22.54	23.37
	6H	24.55	25.05	25.29	25.81	26.65	21.79	22.29	22.53	23.05	23.89
	8H	24.73	25.17	25.48	25.94	26.79	22.03	22.48	22.79	23.24	24.10
	12H	24.84	25.23	25.59	25.98	26.90	22.15	22.54	22.90	23.29	24.21
12H	4H	24.10	24.64	24.83	25.38	26.22	21.24	21.78	21.97	22.53	23.37
	6H	24.54	24.99	25.29	25.75	26.60	21.85	22.30	22.61	23.06	23.92
	8H	24.75	25.14	25.50	25.89	26.81	22.14	22.54	22.90	23.29	24.20