

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: P1428134

Luminaire Tested: SQ2W-PP3-K-150U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428134
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-150U-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

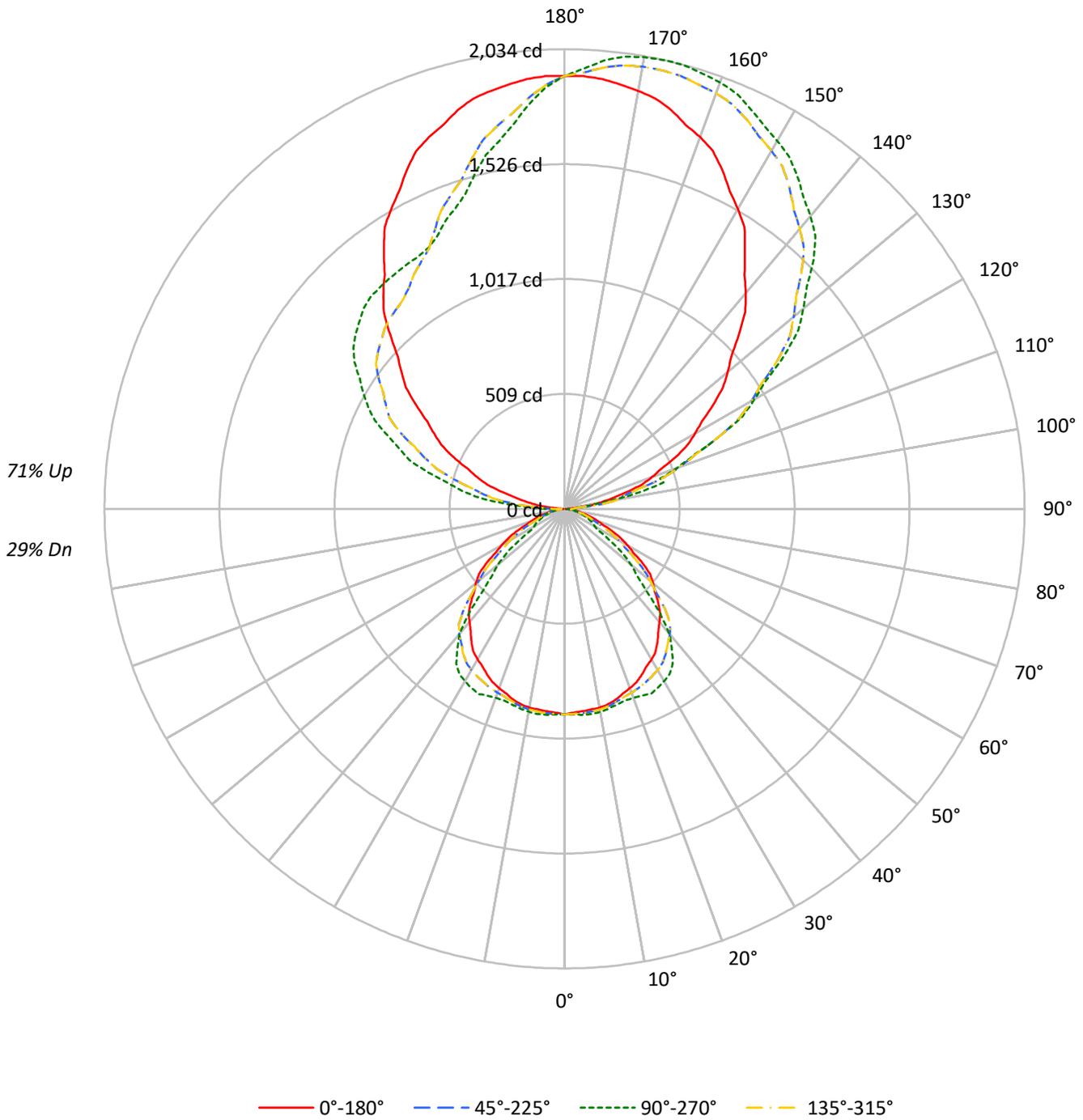
Lumens per Lamp: N/A
Luminaire Lumens: 7891.7 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 72.9
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	102	102	102	102	92	92	92	92	72	72	72	54	54	54	37	37	37	29				
1	93	89	86	82	84	80	77	74	63	61	59	48	46	45	33	32	32	25				
2	85	78	73	68	76	70	66	61	56	52	49	42	40	38	29	28	27	22				
3	78	69	62	57	70	62	56	52	49	45	42	37	35	32	26	25	23	19				
4	71	61	54	48	64	55	49	44	44	39	36	33	30	28	24	22	20	16				
5	65	54	47	41	58	49	42	38	39	34	31	30	27	24	21	19	18	14				
6	60	49	41	35	54	44	37	33	35	30	27	27	24	21	19	17	16	12				
7	56	44	36	31	50	40	33	28	32	27	24	25	21	19	18	16	14	11				
8	51	40	32	27	46	36	30	25	29	24	21	22	19	17	16	14	12	10				
9	48	36	29	24	43	33	27	22	26	22	19	21	17	15	15	13	11	9				
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	8				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14691	14691	14691	14691
5°	14575	14839	14575	14839
10°	14649	14949	14649	14949
15°	14614	14983	14614	14983
20°	14510	15287	14510	15287
25°	14426	16088	14426	16088
30°	14344	16425	14344	16425
35°	14142	16454	14142	16454
40°	13765	15205	13765	15205
45°	13353	11574	13353	11574
50°	12828	9640	12828	9640
55°	11941	6930	11941	6930
60°	10281	4970	10281	4970
65°	8672	4886	8672	4886
70°	7218	4678	7218	4678
75°	6120	4379	6120	4379
80°	5188	3933	5188	3933
85°	4094	2130	4094	2130

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 14606 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	1.1
10°-20°	250.7	3.2
20°-30°	392.8	5.0
30°-40°	484.6	6.1
40°-50°	456.2	5.8
50°-60°	323.0	4.1
60°-70°	184.1	2.3
70°-80°	91.1	1.2
80°-90°	30.2	0.4
90°-100°	152.4	1.9
100°-110°	444.5	5.6
110°-120°	725.4	9.2
120°-130°	920.5	11.7
130°-140°	985.0	12.5
140°-150°	919.8	11.7
150°-160°	756.8	9.6
160°-170°	507.6	6.4
170°-180°	180.2	2.3
0°-30°	730.2	9.3
0°-40°	1214.8	15.4
0°-60°	1994.0	25.3
0°-90°	2299.4	29.1
90°-120°	1322.4	16.8
90°-150°	4147.7	52.6
90°-180°	5592.0	70.9
0°-180°	7891.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	910	910	910	910	910	
5°	899	916	899	916	899	86
15°	874	896	874	896	874	246
25°	810	903	810	903	810	373
35°	718	835	718	835	718	447
45°	585	507	585	507	585	450
55°	424	246	424	246	424	374
65°	227	128	227	128	227	228
75°	98	70	98	70	98	106
85°	22	12	22	12	22	26
90°	6	43	6	83	6	6
95°	60	44	60	261	60	72
105°	282	453	282	623	282	300
115°	542	751	542	925	542	534
125°	801	1190	801	1134	801	717
135°	1089	1557	1089	1256	1089	842
145°	1391	1795	1391	1283	1391	870
155°	1652	1950	1652	1331	1652	759
165°	1826	2033	1826	1532	1826	514
175°	1910	1991	1910	1797	1910	181
180°	1915	1915	1915	1915	1915	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9
2.5°	902.9	908.8	914.6	913.2	909.4	907.9	908.6	909.3	910.0	910.6	910.0
5°	899.3	906.6	913.8	912.8	908.9	907.4	908.3	909.7	912.6	915.6	912.6
7.5°	895.8	903.3	910.7	909.7	906.0	904.8	906.3	908.3	912.0	915.6	912.0
10°	893.5	899.9	906.3	905.4	902.0	901.3	903.5	905.8	908.8	911.8	908.8
12.5°	886.6	892.7	898.7	897.9	894.9	894.7	897.6	900.3	903.0	905.6	903.0
15°	874.3	879.8	885.4	885.5	883.8	884.9	888.7	892.1	894.3	896.4	894.3
17.5°	857.5	864.3	871.1	872.6	872.4	875.1	880.6	885.2	887.4	889.7	887.4
20°	844.5	852.6	860.7	863.4	864.2	868.1	874.9	881.1	885.4	889.7	885.4
22.5°	830.6	840.1	849.6	853.1	854.7	860.6	870.8	880.4	887.7	895.1	887.7
25°	809.8	819.2	828.6	835.5	841.5	851.9	866.9	880.9	892.0	903.1	892.0
27.5°	785.6	794.9	804.2	816.0	828.6	843.3	860.1	874.9	883.7	892.6	883.7
30°	769.4	778.4	787.4	800.9	815.8	832.1	849.6	864.8	872.9	881.0	872.9
32.5°	749.4	758.8	768.1	782.4	798.4	815.8	834.7	850.7	858.2	865.6	858.2
35°	717.5	726.5	735.5	752.1	771.4	790.8	810.5	826.3	830.6	834.8	830.6
37.5°	680.8	690.9	701.1	719.8	741.4	757.6	768.7	777.0	777.3	777.5	777.3
40°	653.1	666.3	679.6	698.3	718.8	730.1	732.3	732.5	726.9	721.4	726.9
42.5°	626.1	643.1	660.2	675.2	689.6	692.5	684.0	671.5	646.8	622.1	646.8
45°	584.8	604.9	625.0	634.2	639.7	620.9	577.7	541.1	524.0	506.9	524.0
47.5°	540.7	560.6	580.4	577.9	567.8	539.4	492.4	454.3	442.5	430.7	442.5
50°	510.7	529.5	548.3	534.8	510.4	478.3	438.6	406.0	394.9	383.8	394.9
52.5°	476.9	493.6	510.4	489.9	457.0	423.2	388.6	358.4	341.4	324.5	341.4
55°	424.2	435.7	447.2	424.8	391.0	353.8	313.2	278.7	262.5	246.2	262.5
57.5°	360.7	368.8	376.9	359.3	333.0	296.0	248.3	208.0	189.8	171.6	189.8
60°	318.4	324.8	331.2	315.2	291.6	256.4	209.4	171.8	162.9	153.9	162.9
62.5°	279.9	285.6	291.3	274.6	250.4	218.9	180.1	150.2	147.0	143.9	147.0
65°	227.0	232.5	238.1	220.6	195.4	170.8	146.8	128.8	128.3	127.9	128.3
67.5°	180.6	186.7	192.8	176.3	152.2	134.1	121.8	112.4	111.9	111.4	111.9
70°	152.9	159.3	165.8	150.4	127.7	113.0	106.1	100.8	99.9	99.1	99.9
72.5°	129.8	135.9	142.0	128.6	108.6	96.5	92.0	88.6	88.0	87.5	88.0
75°	98.1	102.8	107.5	97.8	83.2	74.9	72.8	71.1	70.6	70.2	70.6
77.5°	71.2	74.2	77.2	70.8	61.3	56.0	54.9	53.9	53.5	53.1	53.5
80°	55.8	57.1	58.3	53.9	47.4	44.0	43.6	43.2	42.7	42.3	42.7
82.5°	41.9	41.5	41.1	38.5	35.1	33.3	32.8	32.3	31.5	30.8	31.5
85°	22.1	21.3	20.4	19.6	18.7	17.4	15.7	14.1	12.8	11.5	12.8
87.5°	8.1	9.6	11.6	11.8	11.3	10.6	10.3	10.4	10.8	10.8	10.8
90°	5.8	13.5	23.2	31.0	36.8	38.7	38.7	40.6	42.6	42.6	42.6
92.5°	21.3	33.7	34.0	34.0	41.4	44.9	48.0	48.4	50.3	50.3	50.3
95°	60.0	65.8	98.7	96.7	65.8	52.2	44.5	44.5	44.5	44.5	44.5
97.5°	114.5	123.0	128.5	172.2	181.9	175.7	143.2	120.3	107.6	101.8	107.6
100°	162.5	166.4	178.0	179.9	228.3	274.7	251.5	222.5	212.8	207.0	212.8
102.5°	210.5	212.8	230.6	238.7	250.0	276.3	356.7	347.8	341.3	340.1	341.3
105°	282.5	284.4	317.3	332.8	340.5	340.5	338.6	377.3	439.2	452.7	439.2
107.5°	359.5	368.4	407.0	448.4	457.3	459.7	449.6	443.8	441.5	443.0	441.5
110°	412.1	425.6	472.1	524.3	537.8	541.7	537.8	532.0	528.2	528.2	528.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	463.2	482.9	535.5	595.5	618.3	629.9	621.4	617.2	613.3	616.4	613.3
115°	541.7	570.7	640.4	702.3	748.7	754.5	752.6	752.6	750.6	750.6	750.6
117.5°	614.4	660.9	739.0	811.0	864.8	880.3	888.0	885.7	883.4	887.2	883.4
120°	665.5	719.7	808.7	889.9	942.2	965.4	973.1	969.3	973.1	969.3	973.1
122.5°	719.7	786.2	873.7	958.0	1019.6	1045.9	1055.2	1055.9	1056.7	1054.4	1056.7
125°	800.9	882.2	984.7	1071.8	1135.6	1166.6	1174.3	1176.3	1180.1	1189.8	1180.1
127.5°	883.0	975.1	1087.7	1171.6	1237.0	1274.5	1286.5	1290.8	1298.9	1303.2	1298.9
130°	940.2	1044.7	1158.8	1238.2	1302.0	1342.6	1363.9	1369.7	1379.4	1377.5	1379.4
132.5°	1000.6	1109.7	1225.4	1307.8	1367.0	1410.7	1428.9	1445.6	1449.0	1451.8	1449.0
135°	1089.2	1207.2	1323.3	1404.5	1460.7	1503.2	1526.4	1541.9	1551.6	1557.4	1551.6
137.5°	1182.5	1307.0	1418.5	1490.8	1547.3	1584.1	1610.4	1626.6	1636.7	1641.3	1636.7
140°	1245.9	1365.9	1474.2	1549.6	1599.9	1636.7	1659.9	1679.3	1690.9	1690.9	1690.9
142.5°	1306.3	1424.7	1529.9	1605.4	1649.5	1683.1	1707.9	1722.6	1735.8	1735.8	1735.8
145°	1391.0	1509.0	1605.8	1681.2	1718.0	1748.9	1776.0	1787.6	1795.3	1795.3	1795.3
147.5°	1479.6	1584.1	1672.3	1744.7	1775.6	1812.0	1833.3	1842.6	1852.2	1848.0	1852.2
150°	1532.2	1629.0	1714.1	1781.8	1812.8	1847.6	1868.9	1876.6	1886.3	1880.5	1886.3
152.5°	1583.3	1675.4	1752.8	1815.9	1842.2	1877.0	1901.4	1909.1	1915.7	1911.4	1915.7
155°	1652.2	1733.4	1805.0	1863.1	1886.3	1919.2	1942.4	1952.1	1959.8	1950.1	1959.8
157.5°	1713.7	1783.7	1846.0	1899.4	1924.2	1952.4	1974.1	1986.1	1993.8	1989.6	1993.8
160°	1750.8	1814.7	1870.8	1921.1	1944.3	1969.5	1992.7	2006.2	2014.0	2008.2	2014.0
162.5°	1781.8	1839.5	1892.5	1938.1	1958.2	1980.3	2008.2	2020.2	2027.9	2020.5	2027.9
165°	1826.3	1872.7	1919.2	1957.9	1975.3	1992.7	2021.7	2035.2	2041.0	2033.3	2041.0
167.5°	1860.0	1895.6	1933.1	1966.4	1979.1	1996.2	2025.2	2036.4	2043.8	2034.1	2043.8
170°	1878.5	1909.5	1942.4	1969.5	1979.1	1994.6	2023.6	2033.3	2039.1	2029.4	2039.1
172.5°	1894.0	1917.2	1943.9	1967.9	1972.9	1985.3	2012.8	2022.5	2026.7	2018.6	2026.7
175°	1909.5	1923.0	1942.4	1957.9	1955.9	1963.7	1986.9	1994.6	2002.4	1990.7	2002.4
177.5°	1916.8	1923.0	1929.2	1938.5	1932.3	1932.3	1949.3	1954.0	1955.5	1949.3	1955.5
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9
2.5°	909.3	908.6	907.9	909.4	913.2	914.6	908.8	902.9	908.8	914.6	913.2
5°	909.7	908.3	907.4	908.9	912.8	913.8	906.6	899.3	906.6	913.8	912.8
7.5°	908.3	906.3	904.8	906.0	909.7	910.7	903.3	895.8	903.3	910.7	909.7
10°	905.8	903.5	901.3	902.0	905.4	906.3	899.9	893.5	899.9	906.3	905.4
12.5°	900.3	897.6	894.7	894.9	897.9	898.7	892.7	886.6	892.7	898.7	897.9
15°	892.1	888.7	884.9	883.8	885.5	885.4	879.8	874.3	879.8	885.4	885.5
17.5°	885.2	880.6	875.1	872.4	872.6	871.1	864.3	857.5	864.3	871.1	872.6
20°	881.1	874.9	868.1	864.2	863.4	860.7	852.6	844.5	852.6	860.7	863.4
22.5°	880.4	870.8	860.6	854.7	853.1	849.6	840.1	830.6	840.1	849.6	853.1
25°	880.9	866.9	851.9	841.5	835.5	828.6	819.2	809.8	819.2	828.6	835.5
27.5°	874.9	860.1	843.3	828.6	816.0	804.2	794.9	785.6	794.9	804.2	816.0
30°	864.8	849.6	832.1	815.8	800.9	787.4	778.4	769.4	778.4	787.4	800.9
32.5°	850.7	834.7	815.8	798.4	782.4	768.1	758.8	749.4	758.8	768.1	782.4
35°	826.3	810.5	790.8	771.4	752.1	735.5	726.5	717.5	726.5	735.5	752.1
37.5°	777.0	768.7	757.6	741.4	719.8	701.1	690.9	680.8	690.9	701.1	719.8
40°	732.5	732.3	730.1	718.8	698.3	679.6	666.3	653.1	666.3	679.6	698.3
42.5°	671.5	684.0	692.5	689.6	675.2	660.2	643.1	626.1	643.1	660.2	675.2
45°	541.1	577.7	620.9	639.7	634.2	625.0	604.9	584.8	604.9	625.0	634.2
47.5°	454.3	492.4	539.4	567.8	577.9	580.4	560.6	540.7	560.6	580.4	577.9
50°	406.0	438.6	478.3	510.4	534.8	548.3	529.5	510.7	529.5	548.3	534.8
52.5°	358.4	388.6	423.2	457.0	489.9	510.4	493.6	476.9	493.6	510.4	489.9
55°	278.7	313.2	353.8	391.0	424.8	447.2	435.7	424.2	435.7	447.2	424.8
57.5°	208.0	248.3	296.0	333.0	359.3	376.9	368.8	360.7	368.8	376.9	359.3
60°	171.8	209.4	256.4	291.6	315.2	331.2	324.8	318.4	324.8	331.2	315.2
62.5°	150.2	180.1	218.9	250.4	274.6	291.3	285.6	279.9	285.6	291.3	274.6
65°	128.8	146.8	170.8	195.4	220.6	238.1	232.5	227.0	232.5	238.1	220.6
67.5°	112.4	121.8	134.1	152.2	176.3	192.8	186.7	180.6	186.7	192.8	176.3
70°	100.8	106.1	113.0	127.7	150.4	165.8	159.3	152.9	159.3	165.8	150.4
72.5°	88.6	92.0	96.5	108.6	128.6	142.0	135.9	129.8	135.9	142.0	128.6
75°	71.1	72.8	74.9	83.2	97.8	107.5	102.8	98.1	102.8	107.5	97.8
77.5°	53.9	54.9	56.0	61.3	70.8	77.2	74.2	71.2	74.2	77.2	70.8
80°	43.2	43.6	44.0	47.4	53.9	58.3	57.1	55.8	57.1	58.3	53.9
82.5°	32.3	32.8	33.3	35.1	38.5	41.1	41.5	41.9	41.5	41.1	38.5
85°	14.1	15.7	17.4	18.7	19.6	20.4	21.3	22.1	21.3	20.4	19.6
87.5°	10.4	10.3	10.6	11.3	11.8	11.6	9.6	8.1	9.6	11.2	12.6
90°	40.6	38.7	38.7	36.8	31.0	23.2	13.5	5.8	13.5	21.3	34.8
92.5°	48.4	48.0	44.9	41.4	34.0	34.0	33.7	21.3	36.8	52.2	75.1
95°	44.5	44.5	52.2	65.8	96.7	98.7	65.8	60.0	85.1	119.9	150.9
97.5°	120.3	143.2	175.7	181.9	172.2	128.5	123.0	114.5	155.9	190.4	240.3
100°	222.5	251.5	274.7	228.3	179.9	178.0	166.4	162.5	207.0	239.9	288.3
102.5°	347.8	356.7	276.3	250.0	238.7	230.6	212.8	210.5	255.0	300.3	340.9
105°	377.3	338.6	340.5	340.5	332.8	317.3	284.4	282.5	332.8	385.0	435.3
107.5°	443.8	449.6	459.7	457.3	448.4	407.0	368.4	359.5	404.7	467.4	522.7
110°	532.0	537.8	541.7	537.8	524.3	472.1	425.6	412.1	452.7	518.5	578.5



TEST NUMBER: P1428134

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	617.2	621.4	629.9	618.3	595.5	535.5	482.9	463.2	503.8	571.1	632.6
115°	752.6	752.6	754.5	748.7	702.3	640.4	570.7	541.7	576.5	638.4	706.1
117.5°	885.7	888.0	880.3	864.8	811.0	739.0	660.9	614.4	641.9	707.3	777.0
120°	969.3	973.1	965.4	942.2	889.9	808.7	719.7	665.5	686.8	750.6	820.3
122.5°	1055.9	1055.2	1045.9	1019.6	958.0	873.7	786.2	719.7	728.6	787.8	855.9
125°	1176.3	1174.3	1166.6	1135.6	1071.8	984.7	882.2	800.9	789.3	839.6	909.3
127.5°	1290.8	1286.5	1274.5	1237.0	1171.6	1087.7	975.1	883.0	857.0	888.8	952.6
130°	1369.7	1363.9	1342.6	1302.0	1238.2	1158.8	1044.7	940.2	903.5	922.8	978.9
132.5°	1445.6	1428.9	1410.7	1367.0	1307.8	1225.4	1109.7	1000.6	949.9	958.4	1002.1
135°	1541.9	1526.4	1503.2	1460.7	1404.5	1323.3	1207.2	1089.2	1019.6	1011.8	1037.0
137.5°	1626.6	1610.4	1584.1	1547.3	1490.8	1418.5	1307.0	1182.5	1094.6	1068.7	1078.4
140°	1679.3	1659.9	1636.7	1599.9	1549.6	1474.2	1365.9	1245.9	1147.2	1110.5	1104.7
142.5°	1722.6	1707.9	1683.1	1649.5	1605.4	1529.9	1424.7	1306.3	1201.4	1153.8	1140.3
145°	1787.6	1776.0	1748.9	1718.0	1681.2	1605.8	1509.0	1391.0	1286.5	1224.6	1195.6
147.5°	1842.6	1833.3	1812.0	1775.6	1744.7	1672.3	1584.1	1479.6	1372.4	1295.8	1258.3
150°	1876.6	1868.9	1847.6	1812.8	1781.8	1714.1	1629.0	1532.2	1429.7	1348.4	1300.1
152.5°	1909.1	1901.4	1877.0	1842.2	1815.9	1752.8	1675.4	1583.3	1479.2	1398.0	1348.1
155°	1952.1	1942.4	1919.2	1886.3	1863.1	1805.0	1733.4	1652.2	1563.2	1478.1	1422.0
157.5°	1986.1	1974.1	1952.4	1924.2	1899.4	1846.0	1783.7	1713.7	1635.9	1554.7	1497.4
160°	2006.2	1992.7	1969.5	1944.3	1921.1	1870.8	1814.7	1750.8	1679.3	1605.8	1543.8
162.5°	2020.2	2008.2	1980.3	1958.2	1938.1	1892.5	1839.5	1781.8	1718.0	1653.7	1596.5
165°	2035.2	2021.7	1992.7	1975.3	1957.9	1919.2	1872.7	1826.3	1772.1	1719.9	1673.5
167.5°	2036.4	2025.2	1996.2	1979.1	1966.4	1933.1	1895.6	1860.0	1817.8	1776.8	1738.1
170°	2033.3	2023.6	1994.6	1979.1	1969.5	1942.4	1909.5	1878.5	1845.6	1810.8	1779.9
172.5°	2022.5	2012.8	1985.3	1972.9	1967.9	1943.9	1917.2	1894.0	1865.8	1840.2	1815.5
175°	1994.6	1986.9	1963.7	1955.9	1957.9	1942.4	1923.0	1909.5	1892.1	1876.6	1863.1
177.5°	1954.0	1949.3	1932.3	1932.3	1938.5	1929.2	1923.0	1916.8	1909.1	1904.5	1899.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428134

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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9
2.5°	909.4	907.9	908.6	909.3	910.0	910.6	910.0	909.3	908.6	907.9	909.4
5°	908.9	907.4	908.3	909.7	912.6	915.6	912.6	909.7	908.3	907.4	908.9
7.5°	906.0	904.8	906.3	908.3	912.0	915.6	912.0	908.3	906.3	904.8	906.0
10°	902.0	901.3	903.5	905.8	908.8	911.8	908.8	905.8	903.5	901.3	902.0
12.5°	894.9	894.7	897.6	900.3	903.0	905.6	903.0	900.3	897.6	894.7	894.9
15°	883.8	884.9	888.7	892.1	894.3	896.4	894.3	892.1	888.7	884.9	883.8
17.5°	872.4	875.1	880.6	885.2	887.4	889.7	887.4	885.2	880.6	875.1	872.4
20°	864.2	868.1	874.9	881.1	885.4	889.7	885.4	881.1	874.9	868.1	864.2
22.5°	854.7	860.6	870.8	880.4	887.7	895.1	887.7	880.4	870.8	860.6	854.7
25°	841.5	851.9	866.9	880.9	892.0	903.1	892.0	880.9	866.9	851.9	841.5
27.5°	828.6	843.3	860.1	874.9	883.7	892.6	883.7	874.9	860.1	843.3	828.6
30°	815.8	832.1	849.6	864.8	872.9	881.0	872.9	864.8	849.6	832.1	815.8
32.5°	798.4	815.8	834.7	850.7	858.2	865.6	858.2	850.7	834.7	815.8	798.4
35°	771.4	790.8	810.5	826.3	830.6	834.8	830.6	826.3	810.5	790.8	771.4
37.5°	741.4	757.6	768.7	777.0	777.3	777.5	777.3	777.0	768.7	757.6	741.4
40°	718.8	730.1	732.3	732.5	726.9	721.4	726.9	732.5	732.3	730.1	718.8
42.5°	689.6	692.5	684.0	671.5	646.8	622.1	646.8	671.5	684.0	692.5	689.6
45°	639.7	620.9	577.7	541.1	524.0	506.9	524.0	541.1	577.7	620.9	639.7
47.5°	567.8	539.4	492.4	454.3	442.5	430.7	442.5	454.3	492.4	539.4	567.8
50°	510.4	478.3	438.6	406.0	394.9	383.8	394.9	406.0	438.6	478.3	510.4
52.5°	457.0	423.2	388.6	358.4	341.4	324.5	341.4	358.4	388.6	423.2	457.0
55°	391.0	353.8	313.2	278.7	262.5	246.2	262.5	278.7	313.2	353.8	391.0
57.5°	333.0	296.0	248.3	208.0	189.8	171.6	189.8	208.0	248.3	296.0	333.0
60°	291.6	256.4	209.4	171.8	162.9	153.9	162.9	171.8	209.4	256.4	291.6
62.5°	250.4	218.9	180.1	150.2	147.0	143.9	147.0	150.2	180.1	218.9	250.4
65°	195.4	170.8	146.8	128.8	128.3	127.9	128.3	128.8	146.8	170.8	195.4
67.5°	152.2	134.1	121.8	112.4	111.9	111.4	111.9	112.4	121.8	134.1	152.2
70°	127.7	113.0	106.1	100.8	99.9	99.1	99.9	100.8	106.1	113.0	127.7
72.5°	108.6	96.5	92.0	88.6	88.0	87.5	88.0	88.6	92.0	96.5	108.6
75°	83.2	74.9	72.8	71.1	70.6	70.2	70.6	71.1	72.8	74.9	83.2
77.5°	61.3	56.0	54.9	53.9	53.5	53.1	53.5	53.9	54.9	56.0	61.3
80°	47.4	44.0	43.6	43.2	42.7	42.3	42.7	43.2	43.6	44.0	47.4
82.5°	35.1	33.3	32.8	32.3	31.5	30.8	31.5	32.3	32.8	33.3	35.1
85°	18.7	17.4	15.7	14.1	12.8	11.5	12.8	14.1	15.7	17.4	18.7
87.5°	12.8	14.5	16.9	18.2	19.7	18.9	19.7	18.2	16.9	14.5	12.8
90°	44.5	58.0	71.6	79.3	87.1	83.2	87.1	79.3	71.6	58.0	44.5
92.5°	89.4	112.2	128.8	142.8	149.0	148.2	149.0	142.8	128.8	112.2	89.4
95°	179.9	207.0	234.1	253.4	265.0	261.2	265.0	253.4	234.1	207.0	179.9
97.5°	277.4	313.8	344.0	362.2	373.8	381.5	373.8	362.2	344.0	313.8	277.4
100°	342.4	377.3	412.1	433.4	452.7	460.4	452.7	433.4	412.1	377.3	342.4
102.5°	395.1	440.7	478.6	501.5	517.7	525.4	517.7	501.5	478.6	440.7	395.1
105°	481.7	530.1	570.7	599.7	617.2	623.0	617.2	599.7	570.7	530.1	481.7
107.5°	568.4	618.3	655.8	688.0	709.2	721.6	709.2	688.0	655.8	618.3	568.4
110°	636.5	677.1	717.8	746.8	768.1	775.8	768.1	746.8	717.8	677.1	636.5



TEST NUMBER: P1428134

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	693.8	739.0	779.7	808.7	833.1	843.9	833.1	808.7	779.7	739.0	693.8
115°	773.9	833.8	870.6	897.7	915.1	924.8	915.1	897.7	870.6	833.8	773.9
117.5°	840.4	903.1	943.3	964.2	972.4	979.3	972.4	964.2	943.3	903.1	840.4
120°	882.2	940.2	986.7	1013.8	1023.4	1027.3	1023.4	1013.8	986.7	940.2	882.2
122.5°	920.9	975.8	1020.7	1054.0	1069.9	1073.7	1069.9	1054.0	1020.7	975.8	920.9
125°	975.1	1027.3	1073.7	1106.6	1124.0	1133.7	1124.0	1106.6	1073.7	1027.3	975.1
127.5°	1022.3	1078.8	1121.3	1151.1	1168.1	1175.9	1168.1	1151.1	1121.3	1078.8	1022.3
130°	1048.6	1106.6	1149.2	1182.1	1197.5	1205.3	1197.5	1182.1	1149.2	1106.6	1048.6
132.5°	1068.7	1129.8	1173.9	1203.7	1220.8	1228.5	1220.8	1203.7	1173.9	1129.8	1068.7
135°	1093.1	1156.9	1203.3	1232.4	1247.8	1255.6	1247.8	1232.4	1203.3	1156.9	1093.1
137.5°	1114.4	1172.4	1220.8	1251.3	1265.3	1270.3	1265.3	1251.3	1220.8	1172.4	1114.4
140°	1129.8	1180.1	1228.5	1257.5	1273.0	1274.9	1273.0	1257.5	1228.5	1180.1	1129.8
142.5°	1150.0	1189.4	1231.6	1260.6	1276.1	1279.6	1276.1	1260.6	1231.6	1189.4	1150.0
145°	1185.9	1209.2	1238.2	1265.3	1278.8	1282.7	1278.8	1265.3	1238.2	1209.2	1185.9
147.5°	1231.2	1238.6	1253.6	1271.4	1284.6	1287.3	1284.6	1271.4	1253.6	1238.6	1231.2
150°	1265.3	1263.3	1269.1	1280.7	1292.3	1290.4	1292.3	1280.7	1269.1	1263.3	1265.3
152.5°	1303.9	1292.7	1292.3	1297.8	1303.2	1302.8	1303.2	1297.8	1292.3	1292.7	1303.9
155°	1369.7	1348.4	1336.8	1333.0	1333.0	1331.0	1333.0	1333.0	1336.8	1348.4	1369.7
157.5°	1442.1	1412.3	1394.9	1385.6	1382.9	1378.6	1382.9	1385.6	1394.9	1412.3	1442.1
160°	1491.6	1458.7	1441.3	1425.8	1420.0	1414.2	1420.0	1425.8	1441.3	1458.7	1491.6
162.5°	1538.0	1506.7	1487.7	1473.8	1468.0	1459.1	1468.0	1473.8	1487.7	1506.7	1538.0
165°	1613.5	1580.6	1559.3	1547.7	1540.0	1532.2	1540.0	1547.7	1559.3	1580.6	1613.5
167.5°	1688.9	1653.0	1639.0	1625.9	1618.5	1604.6	1618.5	1625.9	1639.0	1653.0	1688.9
170°	1735.4	1702.5	1694.7	1683.1	1669.6	1654.1	1669.6	1683.1	1694.7	1702.5	1735.4
172.5°	1775.6	1753.6	1745.8	1734.2	1730.0	1717.6	1730.0	1734.2	1745.8	1753.6	1775.6
175°	1834.0	1816.6	1816.6	1814.7	1808.9	1797.3	1808.9	1814.7	1816.6	1816.6	1834.0
177.5°	1882.8	1873.5	1879.7	1879.7	1878.1	1867.3	1878.1	1879.7	1879.7	1873.5	1882.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428134

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	909.9	909.9	909.9	909.9
2.5°	913.2	914.6	908.8	902.9
5°	912.8	913.8	906.6	899.3
7.5°	909.7	910.7	903.3	895.8
10°	905.4	906.3	899.9	893.5
12.5°	897.9	898.7	892.7	886.6
15°	885.5	885.4	879.8	874.3
17.5°	872.6	871.1	864.3	857.5
20°	863.4	860.7	852.6	844.5
22.5°	853.1	849.6	840.1	830.6
25°	835.5	828.6	819.2	809.8
27.5°	816.0	804.2	794.9	785.6
30°	800.9	787.4	778.4	769.4
32.5°	782.4	768.1	758.8	749.4
35°	752.1	735.5	726.5	717.5
37.5°	719.8	701.1	690.9	680.8
40°	698.3	679.6	666.3	653.1
42.5°	675.2	660.2	643.1	626.1
45°	634.2	625.0	604.9	584.8
47.5°	577.9	580.4	560.6	540.7
50°	534.8	548.3	529.5	510.7
52.5°	489.9	510.4	493.6	476.9
55°	424.8	447.2	435.7	424.2
57.5°	359.3	376.9	368.8	360.7
60°	315.2	331.2	324.8	318.4
62.5°	274.6	291.3	285.6	279.9
65°	220.6	238.1	232.5	227.0
67.5°	176.3	192.8	186.7	180.6
70°	150.4	165.8	159.3	152.9
72.5°	128.6	142.0	135.9	129.8
75°	97.8	107.5	102.8	98.1
77.5°	70.8	77.2	74.2	71.2
80°	53.9	58.3	57.1	55.8
82.5°	38.5	41.1	41.5	41.9
85°	19.6	20.4	21.3	22.1
87.5°	12.6	11.2	9.6	8.1
90°	34.8	21.3	13.5	5.8
92.5°	75.1	52.2	36.8	21.3
95°	150.9	119.9	85.1	60.0
97.5°	240.3	190.4	155.9	114.5
100°	288.3	239.9	207.0	162.5
102.5°	340.9	300.3	255.0	210.5
105°	435.3	385.0	332.8	282.5
107.5°	522.7	467.4	404.7	359.5
110°	578.5	518.5	452.7	412.1



TEST NUMBER: P1428134

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	632.6	571.1	503.8	463.2
115°	706.1	638.4	576.5	541.7
117.5°	777.0	707.3	641.9	614.4
120°	820.3	750.6	686.8	665.5
122.5°	855.9	787.8	728.6	719.7
125°	909.3	839.6	789.3	800.9
127.5°	952.6	888.8	857.0	883.0
130°	978.9	922.8	903.5	940.2
132.5°	1002.1	958.4	949.9	1000.6
135°	1037.0	1011.8	1019.6	1089.2
137.5°	1078.4	1068.7	1094.6	1182.5
140°	1104.7	1110.5	1147.2	1245.9
142.5°	1140.3	1153.8	1201.4	1306.3
145°	1195.6	1224.6	1286.5	1391.0
147.5°	1258.3	1295.8	1372.4	1479.6
150°	1300.1	1348.4	1429.7	1532.2
152.5°	1348.1	1398.0	1479.2	1583.3
155°	1422.0	1478.1	1563.2	1652.2
157.5°	1497.4	1554.7	1635.9	1713.7
160°	1543.8	1605.8	1679.3	1750.8
162.5°	1596.5	1653.7	1718.0	1781.8
165°	1673.5	1719.9	1772.1	1826.3
167.5°	1738.1	1776.8	1817.8	1860.0
170°	1779.9	1810.8	1845.6	1878.5
172.5°	1815.5	1840.2	1865.8	1894.0
175°	1863.1	1876.6	1892.1	1909.5
177.5°	1899.8	1904.5	1909.1	1916.8
180°	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428134
 CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L930-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	14.43	15.12	15.56	16.23	17.77	10.20	10.89	11.33	12.00	13.54
	3H	15.48	16.09	16.61	17.21	18.77	11.50	12.11	12.63	13.23	14.79
	4H	15.84	16.42	16.98	17.54	19.11	12.05	12.63	13.19	13.75	15.31
	6H	16.02	16.56	17.17	17.68	19.26	12.40	12.94	13.55	14.06	15.64
	8H	16.08	16.59	17.23	17.73	19.30	12.53	13.03	13.68	14.17	15.74
	12H	16.10	16.58	17.25	17.71	19.30	12.55	13.04	13.71	14.17	15.76
4H	2H	14.53	15.11	15.68	16.23	17.80	11.09	11.67	12.24	12.79	14.36
	3H	15.81	16.29	16.96	17.44	19.01	12.50	12.98	13.65	14.13	15.70
	4H	16.31	16.75	17.46	17.89	19.48	13.11	13.55	14.27	14.69	16.29
	6H	16.61	16.99	17.77	18.15	19.74	13.55	13.93	14.71	15.09	16.67
	8H	16.72	17.07	17.88	18.22	19.83	13.71	14.07	14.87	15.22	16.82
	12H	16.76	17.08	17.93	18.24	19.85	13.75	14.08	14.93	15.24	16.85
8H	4H	16.31	16.67	17.47	17.82	19.42	13.41	13.76	14.57	14.91	16.51
	6H	16.72	17.01	17.90	18.21	19.80	13.96	14.25	15.14	15.44	17.04
	8H	16.90	17.15	18.09	18.33	19.95	14.21	14.46	15.39	15.63	17.25
	12H	16.99	17.21	18.18	18.38	20.04	14.30	14.52	15.49	15.69	17.35
12H	4H	16.26	16.59	17.44	17.75	19.36	13.41	13.73	14.59	14.89	16.50
	6H	16.71	16.97	17.90	18.14	19.76	14.03	14.28	15.21	15.45	17.07
	8H	16.90	17.13	18.09	18.29	19.95	14.29	14.52	15.48	15.69	17.34