

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: P1428302

Luminaire Tested: SQ2W-PR1-K-150U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428302
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-150U-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE 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

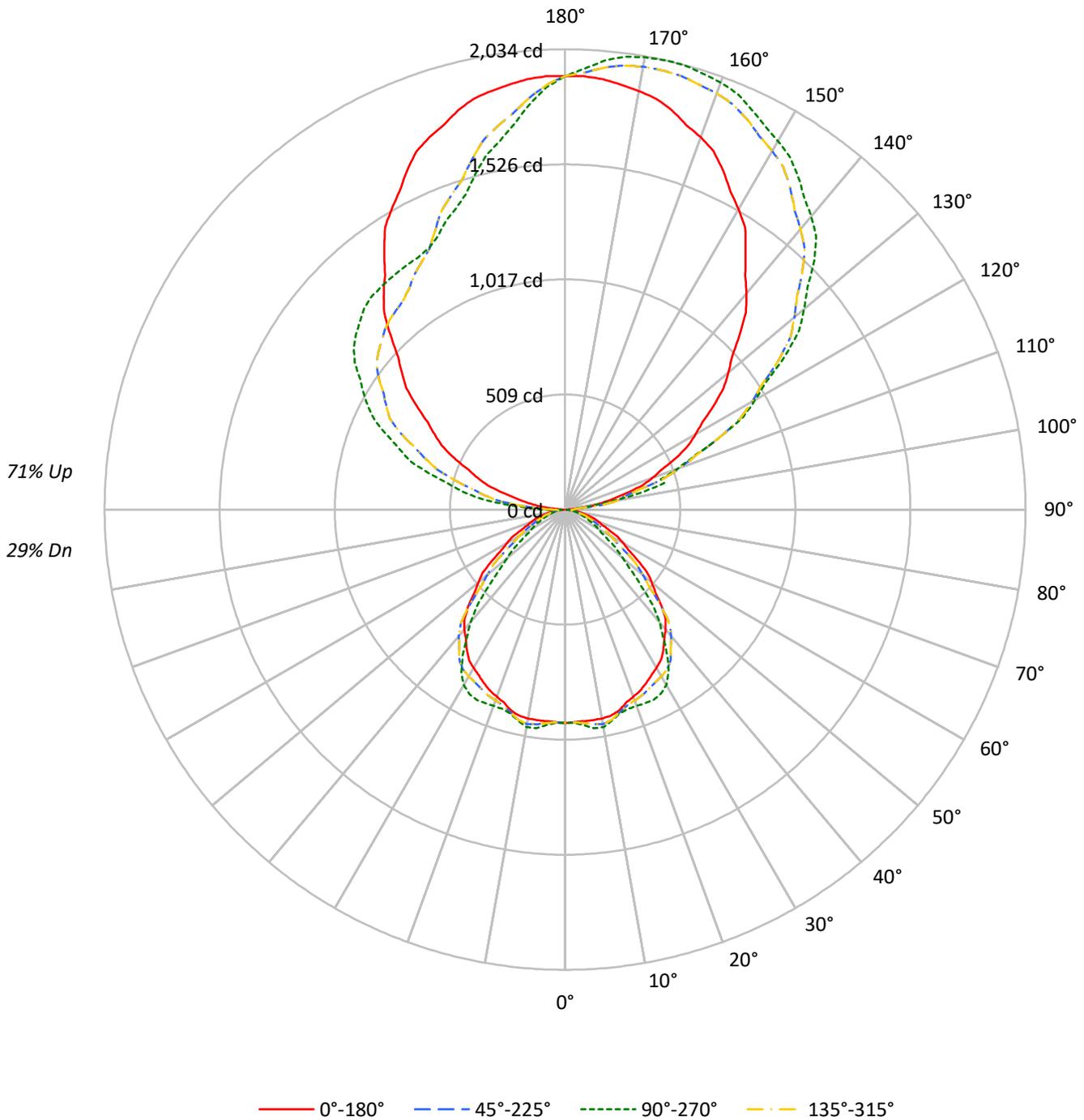
Lumens per Lamp: N/A
Luminaire Lumens: 7870.2 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 72.9
Input Voltage (V): 120
Input Current (A_{in}): 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	102	102	102	102	91	91	91	91	72	72	72	53	53	53	37	37	37	29
1	93	89	86	82	84	80	77	74	63	61	59	47	46	45	33	32	32	25
2	85	78	73	68	76	70	66	62	56	52	50	42	40	38	29	28	27	22
3	78	69	62	57	70	62	56	52	49	45	42	37	35	33	26	25	23	19
4	71	61	54	48	64	55	49	44	44	40	36	33	31	28	24	22	20	16
5	66	55	47	41	59	49	43	38	39	35	31	30	27	24	21	20	18	14
6	60	49	41	36	54	44	38	33	35	31	27	27	24	21	20	17	16	13
7	56	44	37	31	50	40	33	29	32	27	24	25	21	19	18	16	14	11
8	52	40	33	27	46	36	30	25	29	24	21	23	19	17	16	14	13	10
9	48	36	29	24	43	33	27	23	27	22	19	21	17	15	15	13	11	9
10	45	33	26	22	40	30	24	20	25	20	17	19	16	14	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15233	15233	15233	15233
5°	15214	15494	15214	15494
10°	15375	16004	15375	16004
15°	15370	15578	15370	15578
20°	15122	15864	15122	15864
25°	15078	16518	15078	16518
30°	15062	16676	15062	16676
35°	14919	15526	14919	15526
40°	14574	13664	14574	13664
45°	13791	10805	13791	10805
50°	12539	8382	12539	8382
55°	11020	6525	11020	6525
60°	9536	5373	9536	5373
65°	8229	4703	8229	4703
70°	7402	4178	7402	4178
75°	6781	3843	6781	3843
80°	5904	3756	5904	3756
85°	4279	1778	4279	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14807 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	1.2
10°-20°	263.8	3.4
20°-30°	407.8	5.2
30°-40°	490.4	6.2
40°-50°	440.3	5.6
50°-60°	295.1	3.7
60°-70°	171.6	2.2
70°-80°	88.2	1.1
80°-90°	29.7	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°	762.7	9.7
0°-40°	1253.0	15.9
0°-60°	1988.4	25.3
0°-90°	2277.9	28.9
90°-120°	1322.4	16.8
90°-150°	4147.7	52.7
90°-180°	5592.0	71.1
0°-180°	7870.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	944	944	944	944	944	
5°	939	956	939	956	939	90
15°	920	932	920	932	920	258
25°	846	927	846	927	846	390
35°	757	788	757	788	757	472
45°	604	473	604	473	604	462
55°	392	232	392	232	392	352
65°	215	123	215	123	215	218
75°	109	62	109	62	109	115
85°	23	10	23	10	23	29
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°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5
2.5°	939.7	944.8	949.9	947.6	942.8	940.6	941.0	941.5	942.5	943.5	942.5
5°	938.7	946.0	953.3	951.5	946.8	944.9	945.8	947.5	951.8	956.0	951.8
7.5°	938.5	948.9	959.2	960.0	957.6	957.7	960.1	963.4	969.1	974.7	969.1
10°	937.8	950.2	962.6	964.4	962.7	962.0	962.4	964.3	970.2	976.2	970.2
12.5°	933.1	947.6	962.0	960.5	953.7	950.0	949.4	949.7	953.0	956.2	953.0
15°	919.5	936.6	953.7	946.7	931.8	924.9	926.2	927.7	929.9	932.0	929.9
17.5°	895.4	913.3	931.2	924.9	910.7	905.8	910.4	915.0	919.1	923.3	919.1
20°	880.1	897.6	915.1	910.8	899.3	896.5	902.5	908.8	916.1	923.3	916.1
22.5°	866.2	883.7	901.3	898.5	889.0	888.5	896.9	905.6	915.6	925.6	915.6
25°	846.4	861.8	877.2	877.5	872.8	877.5	891.6	905.0	916.1	927.2	916.1
27.5°	825.6	834.7	843.7	849.7	854.7	866.7	885.8	902.0	909.8	917.6	909.8
30°	807.9	813.9	819.9	831.0	843.8	858.6	875.2	888.5	891.5	894.5	891.5
32.5°	788.7	792.3	795.9	811.5	831.2	845.4	854.2	859.9	856.0	852.2	856.0
35°	756.9	759.9	762.9	782.9	808.6	818.0	811.1	804.0	795.8	787.7	795.8
37.5°	719.2	725.4	731.5	747.8	767.5	767.3	747.3	730.0	720.7	711.4	720.7
40°	691.5	701.8	712.1	723.0	734.1	724.7	694.7	669.6	658.9	648.3	658.9
42.5°	657.7	674.1	690.5	692.9	690.7	670.5	632.4	600.6	587.5	574.4	587.5
45°	604.0	626.2	648.5	635.8	611.4	578.5	537.0	502.3	487.7	473.2	487.7
47.5°	540.7	563.6	586.4	562.4	522.8	484.5	447.5	416.3	402.7	389.1	402.7
50°	499.2	517.6	535.9	508.8	466.5	428.0	393.4	363.7	348.7	333.7	348.7
52.5°	456.9	470.1	483.4	456.5	416.2	378.8	344.1	314.8	301.2	287.6	301.2
55°	391.5	398.3	405.1	380.2	344.8	310.6	277.6	250.6	241.2	231.8	241.2
57.5°	331.4	335.8	340.2	316.6	283.6	253.2	225.3	202.6	195.6	188.7	195.6
60°	295.3	298.3	301.3	277.3	244.4	217.0	195.2	177.5	171.9	166.4	171.9
62.5°	262.2	264.5	266.8	243.7	212.2	187.7	170.4	156.3	152.1	147.9	152.1
65°	215.4	217.6	219.7	200.1	173.1	153.0	139.8	129.1	126.1	123.1	126.1
67.5°	178.3	179.4	180.5	164.3	142.4	126.2	115.7	107.2	104.4	101.6	104.4
70°	156.8	157.2	157.6	143.3	124.1	109.8	100.3	92.8	90.6	88.5	90.6
72.5°	137.5	136.9	136.3	123.6	106.7	94.4	86.8	80.6	79.2	77.7	79.2
75°	108.7	107.4	106.1	95.5	81.9	72.5	67.3	63.3	62.4	61.6	62.4
77.5°	81.2	79.8	78.4	69.6	58.3	51.9	50.1	48.9	48.9	48.9	48.9
80°	63.5	61.8	60.1	53.2	44.7	40.4	40.4	40.4	40.4	40.4	40.4
82.5°	47.3	44.9	42.5	38.3	33.6	31.2	31.2	31.1	30.7	30.4	30.7
85°	23.1	20.9	18.8	18.3	18.3	17.0	14.4	12.2	10.9	9.6	10.9
87.5°	7.3	8.9	10.8	11.1	10.5	10.0	10.0	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°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5
2.5°	941.5	941.0	940.6	942.8	947.6	949.9	944.8	939.7	944.8	949.9	947.6
5°	947.5	945.8	944.9	946.8	951.5	953.3	946.0	938.7	946.0	953.3	951.5
7.5°	963.4	960.1	957.7	957.6	960.0	959.2	948.9	938.5	948.9	959.2	960.0
10°	964.3	962.4	962.0	962.7	964.4	962.6	950.2	937.8	950.2	962.6	964.4
12.5°	949.7	949.4	950.0	953.7	960.5	962.0	947.6	933.1	947.6	962.0	960.5
15°	927.7	926.2	924.9	931.8	946.7	953.7	936.6	919.5	936.6	953.7	946.7
17.5°	915.0	910.4	905.8	910.7	924.9	931.2	913.3	895.4	913.3	931.2	924.9
20°	908.8	902.5	896.5	899.3	910.8	915.1	897.6	880.1	897.6	915.1	910.8
22.5°	905.6	896.9	888.5	889.0	898.5	901.3	883.7	866.2	883.7	901.3	898.5
25°	905.0	891.6	877.5	872.8	877.5	877.2	861.8	846.4	861.8	877.2	877.5
27.5°	902.0	885.8	866.7	854.7	849.7	843.7	834.7	825.6	834.7	843.7	849.7
30°	888.5	875.2	858.6	843.8	831.0	819.9	813.9	807.9	813.9	819.9	831.0
32.5°	859.9	854.2	845.4	831.2	811.5	795.9	792.3	788.7	792.3	795.9	811.5
35°	804.0	811.1	818.0	808.6	782.9	762.9	759.9	756.9	759.9	762.9	782.9
37.5°	730.0	747.3	767.3	767.5	747.8	731.5	725.4	719.2	725.4	731.5	747.8
40°	669.6	694.7	724.7	734.1	723.0	712.1	701.8	691.5	701.8	712.1	723.0
42.5°	600.6	632.4	670.5	690.7	692.9	690.5	674.1	657.7	674.1	690.5	692.9
45°	502.3	537.0	578.5	611.4	635.8	648.5	626.2	604.0	626.2	648.5	635.8
47.5°	416.3	447.5	484.5	522.8	562.4	586.4	563.6	540.7	563.6	586.4	562.4
50°	363.7	393.4	428.0	466.5	508.8	535.9	517.6	499.2	517.6	535.9	508.8
52.5°	314.8	344.1	378.8	416.2	456.5	483.4	470.1	456.9	470.1	483.4	456.5
55°	250.6	277.6	310.6	344.8	380.2	405.1	398.3	391.5	398.3	405.1	380.2
57.5°	202.6	225.3	253.2	283.6	316.6	340.2	335.8	331.4	335.8	340.2	316.6
60°	177.5	195.2	217.0	244.4	277.3	301.3	298.3	295.3	298.3	301.3	277.3
62.5°	156.3	170.4	187.7	212.2	243.7	266.8	264.5	262.2	264.5	266.8	243.7
65°	129.1	139.8	153.0	173.1	200.1	219.7	217.6	215.4	217.6	219.7	200.1
67.5°	107.2	115.7	126.2	142.4	164.3	180.5	179.4	178.3	179.4	180.5	164.3
70°	92.8	100.3	109.8	124.1	143.3	157.6	157.2	156.8	157.2	157.6	143.3
72.5°	80.6	86.8	94.4	106.7	123.6	136.3	136.9	137.5	136.9	136.3	123.6
75°	63.3	67.3	72.5	81.9	95.5	106.1	107.4	108.7	107.4	106.1	95.5
77.5°	48.9	50.1	51.9	58.3	69.6	78.4	79.8	81.2	79.8	78.4	69.6
80°	40.4	40.4	40.4	44.7	53.2	60.1	61.8	63.5	61.8	60.1	53.2
82.5°	31.1	31.2	31.2	33.6	38.3	42.5	44.9	47.3	44.9	42.5	38.3
85°	12.2	14.4	17.0	18.3	18.3	18.8	20.9	23.1	20.9	18.8	18.3
87.5°	10.4	10.0	10.0	10.5	11.1	10.8	8.9	7.3	8.9	10.4	11.8
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: P1428302

CATALOG NUMBER: SQ2W-PR1-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: P1428302

CATALOG NUMBER: SQ2W-PR1-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5
2.5°	942.8	940.6	941.0	941.5	942.5	943.5	942.5	941.5	941.0	940.6	942.8
5°	946.8	944.9	945.8	947.5	951.8	956.0	951.8	947.5	945.8	944.9	946.8
7.5°	957.6	957.7	960.1	963.4	969.1	974.7	969.1	963.4	960.1	957.7	957.6
10°	962.7	962.0	962.4	964.3	970.2	976.2	970.2	964.3	962.4	962.0	962.7
12.5°	953.7	950.0	949.4	949.7	953.0	956.2	953.0	949.7	949.4	950.0	953.7
15°	931.8	924.9	926.2	927.7	929.9	932.0	929.9	927.7	926.2	924.9	931.8
17.5°	910.7	905.8	910.4	915.0	919.1	923.3	919.1	915.0	910.4	905.8	910.7
20°	899.3	896.5	902.5	908.8	916.1	923.3	916.1	908.8	902.5	896.5	899.3
22.5°	889.0	888.5	896.9	905.6	915.6	925.6	915.6	905.6	896.9	888.5	889.0
25°	872.8	877.5	891.6	905.0	916.1	927.2	916.1	905.0	891.6	877.5	872.8
27.5°	854.7	866.7	885.8	902.0	909.8	917.6	909.8	902.0	885.8	866.7	854.7
30°	843.8	858.6	875.2	888.5	891.5	894.5	891.5	888.5	875.2	858.6	843.8
32.5°	831.2	845.4	854.2	859.9	856.0	852.2	856.0	859.9	854.2	845.4	831.2
35°	808.6	818.0	811.1	804.0	795.8	787.7	795.8	804.0	811.1	818.0	808.6
37.5°	767.5	767.3	747.3	730.0	720.7	711.4	720.7	730.0	747.3	767.3	767.5
40°	734.1	724.7	694.7	669.6	658.9	648.3	658.9	669.6	694.7	724.7	734.1
42.5°	690.7	670.5	632.4	600.6	587.5	574.4	587.5	600.6	632.4	670.5	690.7
45°	611.4	578.5	537.0	502.3	487.7	473.2	487.7	502.3	537.0	578.5	611.4
47.5°	522.8	484.5	447.5	416.3	402.7	389.1	402.7	416.3	447.5	484.5	522.8
50°	466.5	428.0	393.4	363.7	348.7	333.7	348.7	363.7	393.4	428.0	466.5
52.5°	416.2	378.8	344.1	314.8	301.2	287.6	301.2	314.8	344.1	378.8	416.2
55°	344.8	310.6	277.6	250.6	241.2	231.8	241.2	250.6	277.6	310.6	344.8
57.5°	283.6	253.2	225.3	202.6	195.6	188.7	195.6	202.6	225.3	253.2	283.6
60°	244.4	217.0	195.2	177.5	171.9	166.4	171.9	177.5	195.2	217.0	244.4
62.5°	212.2	187.7	170.4	156.3	152.1	147.9	152.1	156.3	170.4	187.7	212.2
65°	173.1	153.0	139.8	129.1	126.1	123.1	126.1	129.1	139.8	153.0	173.1
67.5°	142.4	126.2	115.7	107.2	104.4	101.6	104.4	107.2	115.7	126.2	142.4
70°	124.1	109.8	100.3	92.8	90.6	88.5	90.6	92.8	100.3	109.8	124.1
72.5°	106.7	94.4	86.8	80.6	79.2	77.7	79.2	80.6	86.8	94.4	106.7
75°	81.9	72.5	67.3	63.3	62.4	61.6	62.4	63.3	67.3	72.5	81.9
77.5°	58.3	51.9	50.1	48.9	48.9	48.9	48.9	48.9	50.1	51.9	58.3
80°	44.7	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	44.7
82.5°	33.6	31.2	31.2	31.1	30.7	30.4	30.7	31.1	31.2	31.2	33.6
85°	18.3	17.0	14.4	12.2	10.9	9.6	10.9	12.2	14.4	17.0	18.3
87.5°	12.1	13.9	16.6	18.2	19.7	18.9	19.7	18.2	16.6	13.9	12.1
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: P1428302

CATALOG NUMBER: SQ2W-PR1-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: P1428302

CATALOG NUMBER: SQ2W-PR1-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	943.5	943.5	943.5	943.5
2.5°	947.6	949.9	944.8	939.7
5°	951.5	953.3	946.0	938.7
7.5°	960.0	959.2	948.9	938.5
10°	964.4	962.6	950.2	937.8
12.5°	960.5	962.0	947.6	933.1
15°	946.7	953.7	936.6	919.5
17.5°	924.9	931.2	913.3	895.4
20°	910.8	915.1	897.6	880.1
22.5°	898.5	901.3	883.7	866.2
25°	877.5	877.2	861.8	846.4
27.5°	849.7	843.7	834.7	825.6
30°	831.0	819.9	813.9	807.9
32.5°	811.5	795.9	792.3	788.7
35°	782.9	762.9	759.9	756.9
37.5°	747.8	731.5	725.4	719.2
40°	723.0	712.1	701.8	691.5
42.5°	692.9	690.5	674.1	657.7
45°	635.8	648.5	626.2	604.0
47.5°	562.4	586.4	563.6	540.7
50°	508.8	535.9	517.6	499.2
52.5°	456.5	483.4	470.1	456.9
55°	380.2	405.1	398.3	391.5
57.5°	316.6	340.2	335.8	331.4
60°	277.3	301.3	298.3	295.3
62.5°	243.7	266.8	264.5	262.2
65°	200.1	219.7	217.6	215.4
67.5°	164.3	180.5	179.4	178.3
70°	143.3	157.6	157.2	156.8
72.5°	123.6	136.3	136.9	137.5
75°	95.5	106.1	107.4	108.7
77.5°	69.6	78.4	79.8	81.2
80°	53.2	60.1	61.8	63.5
82.5°	38.3	42.5	44.9	47.3
85°	18.3	18.8	20.9	23.1
87.5°	11.8	10.4	8.9	7.3
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: P1428302

CATALOG NUMBER: SQ2W-PR1-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: P1428302
 CATALOG NUMBER: SQ2W-PR1-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	13.74	14.42	14.87	15.54	17.08	10.11	10.79	11.24	11.91	13.45
	3H	14.94	15.54	16.07	16.67	18.23	11.26	11.87	12.39	12.99	14.55
	4H	15.41	15.99	16.56	17.11	18.68	11.72	12.29	12.86	13.41	14.98
	6H	15.70	16.23	16.85	17.36	18.93	12.05	12.58	13.20	13.70	15.28
	8H	15.80	16.30	16.95	17.44	19.01	12.18	12.68	13.33	13.83	15.40
	12H	15.83	16.31	16.99	17.44	19.04	12.21	12.68	13.36	13.82	15.41
4H	2H	13.82	14.40	14.98	15.52	17.09	10.80	11.38	11.95	12.50	14.07
	3H	15.27	15.75	16.42	16.90	18.47	12.14	12.62	13.29	13.77	15.35
	4H	15.89	16.33	17.05	17.47	19.07	12.68	13.12	13.84	14.26	15.85
	6H	16.31	16.69	17.47	17.85	19.44	13.10	13.48	14.27	14.64	16.23
	8H	16.47	16.82	17.63	17.97	19.57	13.28	13.63	14.44	14.79	16.39
	12H	16.52	16.84	17.70	18.01	19.62	13.32	13.64	14.50	14.80	16.41
8H	4H	15.90	16.25	17.06	17.40	19.01	12.99	13.34	14.15	14.50	16.10
	6H	16.43	16.72	17.61	17.91	19.51	13.53	13.82	14.71	15.01	16.61
	8H	16.66	16.91	17.85	18.09	19.71	13.79	14.04	14.98	15.21	16.84
	12H	16.77	17.00	17.96	18.17	19.82	13.88	14.10	15.07	15.27	16.92
12H	4H	15.85	16.17	17.03	17.33	18.94	13.00	13.32	14.18	14.49	16.10
	6H	16.42	16.67	17.61	17.84	19.47	13.60	13.85	14.79	15.02	16.65
	8H	16.66	16.88	17.85	18.05	19.71	13.88	14.10	15.07	15.27	16.93