

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: P1427880

Luminaire Tested: SQ2W-PH1-K-050U-100D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427880
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PH1-K-050U-100D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

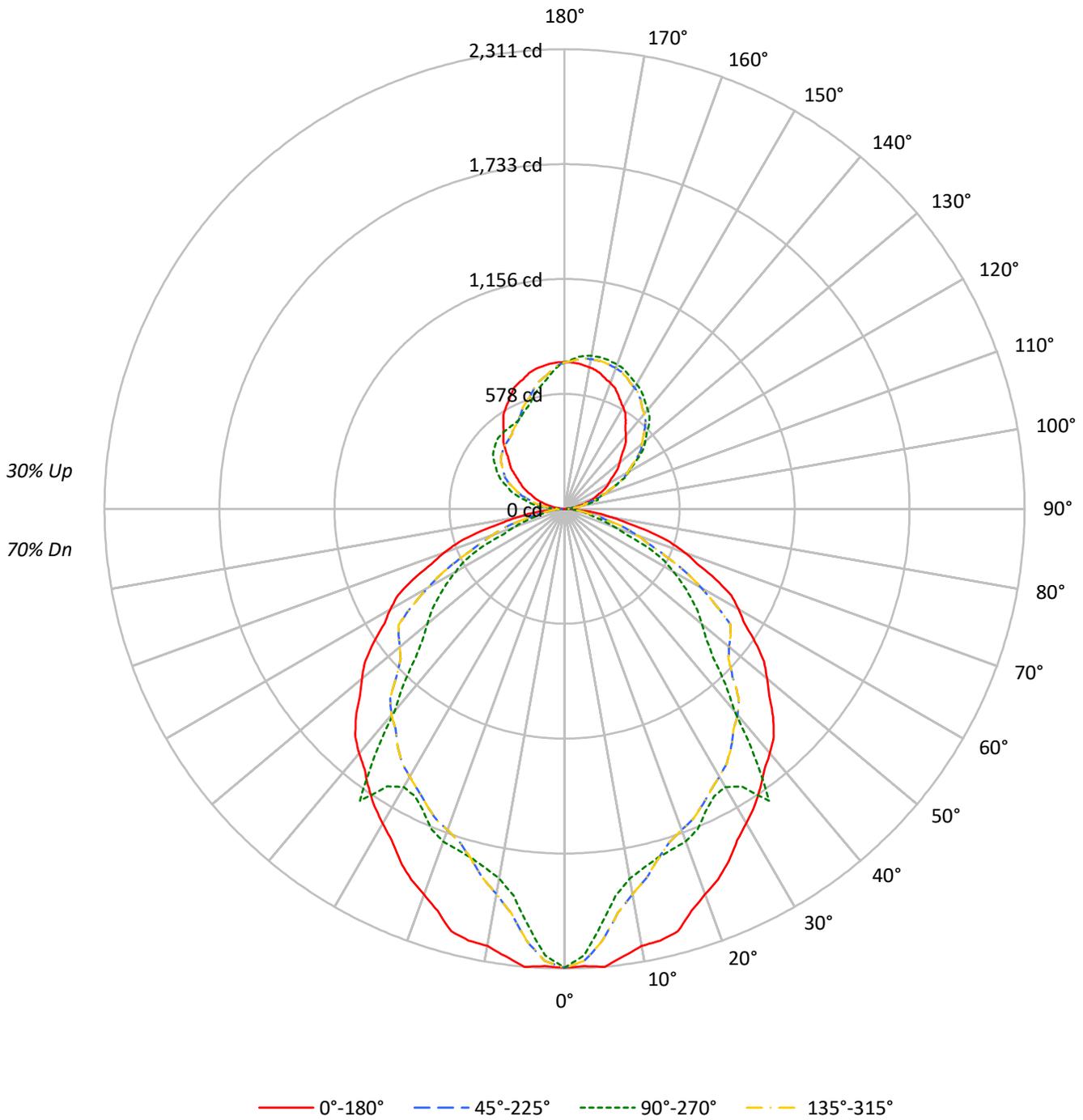
Lumens per Lamp: N/A
Luminaire Lumens: 7254.6 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 52.5
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	112	112	112	112	106	106	106	106	95	95	95	84	84	84	75	75	75	70
1	103	98	94	91	97	93	90	87	84	81	79	75	73	71	67	65	64	60
2	94	86	80	75	88	82	76	72	74	69	65	66	63	60	59	56	54	51
3	86	76	68	62	81	72	65	60	65	60	55	58	54	51	52	49	46	43
4	78	67	59	53	74	64	57	51	58	52	47	52	47	44	47	43	40	37
5	72	60	52	46	68	57	50	44	52	46	41	47	42	38	42	38	35	32
6	67	54	46	40	63	52	44	38	47	41	36	43	37	33	38	34	31	28
7	62	49	41	35	58	47	39	34	43	36	32	39	33	30	35	31	27	25
8	57	45	37	31	54	43	35	30	39	33	28	36	30	26	32	28	25	22
9	53	41	33	28	51	39	32	27	36	30	25	33	28	24	30	25	22	20
10	50	38	30	25	47	36	29	25	33	27	23	30	25	22	28	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	37246	37246	37246	37246
5°	37460	34045	37460	34045
10°	36596	30946	36596	30946
15°	36762	30341	36762	30341
20°	35449	30585	35449	30585
25°	34801	29873	34801	29873
30°	34046	30118	34046	30118
35°	33787	35303	33787	35303
40°	33817	27988	33817	27988
45°	33830	24107	33830	24107
50°	33354	22604	33354	22604
55°	32931	21686	32931	21686
60°	32604	20340	32604	20340
65°	32034	17692	32034	17692
70°	30255	12642	30255	12642
75°	26974	9582	26974	9582
80°	22045	8982	22045	8982
85°	13820	6095	13820	6095

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 33830 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.0	2.8
10°-20°	533.9	7.4
20°-30°	782.8	10.8
30°-40°	947.9	13.1
40°-50°	932.1	12.8
50°-60°	810.8	11.2
60°-70°	563.9	7.8
70°-80°	267.4	3.7
80°-90°	62.0	0.9
90°-100°	58.6	0.8
100°-110°	171.0	2.4
110°-120°	279.0	3.8
120°-130°	354.0	4.9
130°-140°	378.8	5.2
140°-150°	353.8	4.9
150°-160°	291.1	4.0
160°-170°	195.2	2.7
170°-180°	69.3	1.0
0°-30°	1519.7	20.9
0°-40°	2467.6	34.0
0°-60°	4210.4	58.0
0°-90°	5103.7	70.4
90°-120°	508.6	7.0
90°-150°	1595.3	22.0
90°-180°	2151.0	29.7
0°-180°	7254.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2307	2307	2307	2307	2307	
5°	2311	2101	2311	2101	2311	217
15°	2199	1815	2199	1815	2199	613
25°	1954	1677	1954	1677	1954	898
35°	1714	1791	1714	1791	1714	1074
45°	1482	1056	1482	1056	1482	1139
55°	1170	770	1170	770	1170	1045
65°	838	463	838	463	838	824
75°	432	154	432	154	432	458
85°	75	33	75	33	75	100
90°	2	16	2	32	2	4
95°	23	17	23	100	23	28
105°	109	174	109	240	109	116
115°	208	289	208	356	208	205
125°	308	458	308	436	308	276
135°	419	599	419	483	419	324
145°	535	690	535	493	535	335
155°	636	750	636	512	636	292
165°	702	782	702	589	702	198
175°	734	766	734	691	734	70
180°	737	737	737	737	737	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9
2.5°	2301.6	2312.5	2323.5	2308.0	2283.9	2267.1	2257.7	2250.3	2248.7	2247.2	2248.7
5°	2311.3	2310.3	2309.3	2263.7	2203.2	2157.9	2127.6	2104.5	2102.5	2100.6	2102.5
7.5°	2269.1	2238.9	2208.6	2147.4	2075.8	2023.3	1989.9	1964.5	1963.0	1961.4	1963.0
10°	2232.2	2186.4	2140.5	2071.3	1994.2	1940.6	1910.3	1887.6	1887.6	1887.6	1887.6
12.5°	2223.5	2151.1	2078.7	2002.8	1925.7	1876.0	1853.5	1837.9	1842.6	1847.3	1842.6
15°	2199.3	2090.1	1980.8	1903.7	1837.4	1801.3	1795.5	1793.7	1804.5	1815.2	1804.5
17.5°	2119.4	2001.8	1884.1	1816.4	1765.3	1745.9	1758.4	1770.9	1783.4	1795.9	1783.4
20°	2063.2	1947.2	1831.1	1768.4	1723.5	1712.8	1736.2	1756.7	1768.4	1780.1	1768.4
22.5°	2015.8	1898.2	1780.5	1725.1	1690.3	1685.9	1711.6	1732.5	1738.7	1745.0	1738.7
25°	1953.5	1820.8	1688.1	1647.7	1637.9	1644.3	1666.7	1682.8	1679.9	1676.9	1679.9
27.5°	1878.9	1740.3	1601.8	1575.8	1587.3	1599.9	1613.6	1624.3	1626.0	1627.8	1626.0
30°	1826.2	1687.7	1549.1	1528.4	1546.9	1563.0	1576.7	1590.1	1602.8	1615.5	1602.8
32.5°	1775.3	1632.1	1488.8	1474.0	1501.9	1532.0	1564.4	1596.0	1625.0	1654.1	1625.0
35°	1714.2	1565.0	1415.7	1404.0	1438.2	1482.1	1535.7	1599.9	1695.5	1791.1	1695.5
37.5°	1650.2	1490.2	1330.2	1324.9	1371.1	1417.3	1463.6	1505.9	1536.3	1566.7	1536.3
40°	1604.5	1436.7	1268.9	1268.7	1324.3	1381.8	1441.3	1468.4	1398.2	1327.9	1398.2
42.5°	1555.3	1387.5	1219.7	1214.8	1264.2	1327.6	1405.1	1433.5	1314.9	1196.2	1314.9
45°	1481.6	1307.0	1132.3	1126.0	1175.8	1210.9	1231.4	1225.5	1140.6	1055.8	1140.6
47.5°	1394.7	1228.2	1061.8	1060.4	1114.1	1118.0	1072.2	1029.5	996.3	963.1	996.3
50°	1327.9	1170.9	1013.8	1020.6	1082.1	1076.2	1003.1	942.8	921.4	899.9	921.4
52.5°	1263.0	1113.7	964.5	982.6	1056.5	1044.8	947.5	870.9	856.4	842.0	856.4
55°	1169.9	1026.5	883.1	924.1	1026.5	1010.9	877.2	776.3	773.3	770.4	773.3
57.5°	1071.1	935.5	799.9	828.4	911.5	895.1	779.2	693.6	698.6	703.7	698.6
60°	1009.7	878.0	746.3	749.9	798.7	783.1	703.1	641.7	635.8	629.9	635.8
62.5°	944.7	819.2	693.8	675.6	693.2	674.8	620.6	578.4	572.6	566.7	572.6
65°	838.5	724.3	610.2	575.8	568.0	541.7	496.8	463.1	463.1	463.1	463.1
67.5°	721.7	622.2	522.7	484.2	466.1	439.9	405.8	374.3	350.9	327.5	350.9
70°	640.9	553.1	465.3	425.1	400.7	369.5	331.4	299.0	283.4	267.8	283.4
72.5°	554.9	479.6	404.3	363.0	333.2	302.8	271.7	244.0	226.0	208.1	226.0
75°	432.4	371.9	311.4	271.4	238.3	207.5	179.3	157.5	155.6	153.6	155.6
77.5°	312.6	268.5	224.4	192.0	163.5	142.1	127.9	117.3	117.5	117.6	117.5
80°	237.1	203.9	170.7	140.5	111.2	96.1	95.1	94.6	95.6	96.6	95.6
82.5°	166.8	142.2	117.6	98.3	80.8	72.7	74.0	75.1	75.3	75.5	75.3
85°	74.6	62.9	51.2	46.8	44.9	41.9	38.0	34.9	33.9	32.9	33.9
87.5°	16.2	16.1	16.0	14.7	12.8	11.8	11.8	11.9	12.1	12.1	12.1
90°	2.2	5.2	8.9	11.9	14.1	14.9	14.9	15.6	16.4	16.4	16.4
92.5°	8.2	12.9	13.1	13.1	15.9	17.3	18.5	18.6	19.3	19.3	19.3
95°	23.1	25.3	37.9	37.2	25.3	20.1	17.1	17.1	17.1	17.1	17.1
97.5°	44.1	47.3	49.4	66.2	69.9	67.6	55.1	46.3	41.4	39.1	41.4
100°	62.5	64.0	68.5	69.2	87.8	105.7	96.7	85.6	81.9	79.6	81.9
102.5°	81.0	81.9	88.7	91.8	96.1	106.3	137.2	133.8	131.3	130.8	131.3
105°	108.6	109.4	122.0	128.0	131.0	131.0	130.2	145.1	168.9	174.1	168.9
107.5°	138.3	141.7	156.6	172.5	175.9	176.8	172.9	170.7	169.8	170.4	169.8
110°	158.5	163.7	181.6	201.7	206.9	208.3	206.9	204.6	203.1	203.1	203.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	178.1	185.7	206.0	229.0	237.8	242.3	239.0	237.4	235.9	237.1	235.9
115°	208.3	219.5	246.3	270.1	288.0	290.2	289.5	289.5	288.7	288.7	288.7
117.5°	236.3	254.2	284.2	311.9	332.6	338.6	341.5	340.6	339.8	341.2	339.8
120°	256.0	276.8	311.0	342.3	362.4	371.3	374.3	372.8	374.3	372.8	374.3
122.5°	276.8	302.4	336.0	368.5	392.1	402.3	405.8	406.1	406.4	405.5	406.4
125°	308.1	339.3	378.7	412.2	436.8	448.7	451.7	452.4	453.9	457.6	453.9
127.5°	339.6	375.0	418.3	450.6	475.8	490.2	494.8	496.5	499.6	501.2	499.6
130°	361.6	401.8	445.7	476.2	500.8	516.4	524.6	526.8	530.5	529.8	530.5
132.5°	384.8	426.8	471.3	503.0	525.8	542.6	549.6	556.0	557.3	558.4	557.3
135°	418.9	464.3	509.0	540.2	561.8	578.2	587.1	593.0	596.8	599.0	596.8
137.5°	454.8	502.7	545.6	573.4	595.1	609.3	619.4	625.6	629.5	631.3	629.5
140°	479.2	525.3	567.0	596.0	615.4	629.5	638.4	645.9	650.3	650.3	650.3
142.5°	502.4	548.0	588.4	617.5	634.4	647.4	656.9	662.5	667.6	667.6	667.6
145°	535.0	580.4	617.6	646.6	660.8	672.7	683.1	687.5	690.5	690.5	690.5
147.5°	569.1	609.3	643.2	671.0	682.9	696.9	705.1	708.7	712.4	710.8	712.4
150°	589.3	626.5	659.3	685.3	697.2	710.6	718.8	721.8	725.5	723.3	725.5
152.5°	609.0	644.4	674.2	698.4	708.5	721.9	731.3	734.3	736.8	735.2	736.8
155°	635.5	666.7	694.2	716.6	725.5	738.1	747.1	750.8	753.8	750.0	753.8
157.5°	659.1	686.1	710.0	730.6	740.1	750.9	759.3	763.9	766.9	765.2	766.9
160°	673.4	698.0	719.5	738.9	747.8	757.5	766.4	771.6	774.6	772.4	774.6
162.5°	685.3	707.5	727.9	745.4	753.2	761.7	772.4	777.0	780.0	777.1	780.0
165°	702.4	720.3	738.1	753.0	759.7	766.4	777.6	782.8	785.0	782.0	785.0
167.5°	715.4	729.1	743.5	756.3	761.2	767.8	778.9	783.2	786.1	782.3	786.1
170°	722.5	734.4	747.1	757.5	761.2	767.2	778.3	782.0	784.3	780.6	784.3
172.5°	728.5	737.4	747.7	756.9	758.8	763.6	774.2	777.9	779.5	776.4	779.5
175°	734.4	739.6	747.1	753.0	752.3	755.3	764.2	767.2	770.1	765.7	770.1
177.5°	737.3	739.6	742.0	745.6	743.2	743.2	749.8	751.5	752.1	749.8	752.1
180°	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9
2.5°	2250.3	2257.7	2267.1	2283.9	2308.0	2323.5	2312.5	2301.6	2312.5	2323.5	2308.0
5°	2104.5	2127.6	2157.9	2203.2	2263.7	2309.3	2310.3	2311.3	2310.3	2309.3	2263.7
7.5°	1964.5	1989.9	2023.3	2075.8	2147.4	2208.6	2238.9	2269.1	2238.9	2208.6	2147.4
10°	1887.6	1910.3	1940.6	1994.2	2071.3	2140.5	2186.4	2232.2	2186.4	2140.5	2071.3
12.5°	1837.9	1853.5	1876.0	1925.7	2002.8	2078.7	2151.1	2223.5	2151.1	2078.7	2002.8
15°	1793.7	1795.5	1801.3	1837.4	1903.7	1980.8	2090.1	2199.3	2090.1	1980.8	1903.7
17.5°	1770.9	1758.4	1745.9	1765.3	1816.4	1884.1	2001.8	2119.4	2001.8	1884.1	1816.4
20°	1756.7	1736.2	1712.8	1723.5	1768.4	1831.1	1947.2	2063.2	1947.2	1831.1	1768.4
22.5°	1732.5	1711.6	1685.9	1690.3	1725.1	1780.5	1898.2	2015.8	1898.2	1780.5	1725.1
25°	1682.8	1666.7	1644.3	1637.9	1647.7	1688.1	1820.8	1953.5	1820.8	1688.1	1647.7
27.5°	1624.3	1613.6	1599.9	1587.3	1575.8	1601.8	1740.3	1878.9	1740.3	1601.8	1575.8
30°	1590.1	1576.7	1563.0	1546.9	1528.4	1549.1	1687.7	1826.2	1687.7	1549.1	1528.4
32.5°	1596.0	1564.4	1532.0	1501.9	1474.0	1488.8	1632.1	1775.3	1632.1	1488.8	1474.0
35°	1599.9	1535.7	1482.1	1438.2	1404.0	1415.7	1565.0	1714.2	1565.0	1415.7	1404.0
37.5°	1505.9	1463.6	1417.3	1371.1	1324.9	1330.2	1490.2	1650.2	1490.2	1330.2	1324.9
40°	1468.4	1441.3	1381.8	1324.3	1268.7	1268.9	1436.7	1604.5	1436.7	1268.9	1268.7
42.5°	1433.5	1405.1	1327.6	1264.2	1214.8	1219.7	1387.5	1555.3	1387.5	1219.7	1214.8
45°	1225.5	1231.4	1210.9	1175.8	1126.0	1132.3	1307.0	1481.6	1307.0	1132.3	1126.0
47.5°	1029.5	1072.2	1118.0	1114.1	1060.4	1061.8	1228.2	1394.7	1228.2	1061.8	1060.4
50°	942.8	1003.1	1076.2	1082.1	1020.6	1013.8	1170.9	1327.9	1170.9	1013.8	1020.6
52.5°	870.9	947.5	1044.8	1056.5	982.6	964.5	1113.7	1263.0	1113.7	964.5	982.6
55°	776.3	877.2	1010.9	1026.5	924.1	883.1	1026.5	1169.9	1026.5	883.1	924.1
57.5°	693.6	779.2	895.1	911.5	828.4	799.9	935.5	1071.1	935.5	799.9	828.4
60°	641.7	703.1	783.1	798.7	749.9	746.3	878.0	1009.7	878.0	746.3	749.9
62.5°	578.4	620.6	674.8	693.2	675.6	693.8	819.2	944.7	819.2	693.8	675.6
65°	463.1	496.8	541.7	568.0	575.8	610.2	724.3	838.5	724.3	610.2	575.8
67.5°	374.3	405.8	439.9	466.1	484.2	522.7	622.2	721.7	622.2	522.7	484.2
70°	299.0	331.4	369.5	400.7	425.1	465.3	553.1	640.9	553.1	465.3	425.1
72.5°	244.0	271.7	302.8	333.2	363.0	404.3	479.6	554.9	479.6	404.3	363.0
75°	157.5	179.3	207.5	238.3	271.4	311.4	371.9	432.4	371.9	311.4	271.4
77.5°	117.3	127.9	142.1	163.5	192.0	224.4	268.5	312.6	268.5	224.4	192.0
80°	94.6	95.1	96.1	111.2	140.5	170.7	203.9	237.1	203.9	170.7	140.5
82.5°	75.1	74.0	72.7	80.8	98.3	117.6	142.2	166.8	142.2	117.6	98.3
85°	34.9	38.0	41.9	44.9	46.8	51.2	62.9	74.6	62.9	51.2	46.8
87.5°	11.9	11.8	11.8	12.8	14.7	16.0	16.1	16.2	16.1	15.9	15.0
90°	15.6	14.9	14.9	14.1	11.9	8.9	5.2	2.2	5.2	8.2	13.4
92.5°	18.6	18.5	17.3	15.9	13.1	13.1	12.9	8.2	14.1	20.1	28.9
95°	17.1	17.1	20.1	25.3	37.2	37.9	25.3	23.1	32.7	46.1	58.0
97.5°	46.3	55.1	67.6	69.9	66.2	49.4	47.3	44.1	60.0	73.2	92.4
100°	85.6	96.7	105.7	87.8	69.2	68.5	64.0	62.5	79.6	92.3	110.9
102.5°	133.8	137.2	106.3	96.1	91.8	88.7	81.9	81.0	98.1	115.5	131.1
105°	145.1	130.2	131.0	131.0	128.0	122.0	109.4	108.6	128.0	148.1	167.4
107.5°	170.7	172.9	176.8	175.9	172.5	156.6	141.7	138.3	155.7	179.8	201.1
110°	204.6	206.9	208.3	206.9	201.7	181.6	163.7	158.5	174.1	199.4	222.5



TEST NUMBER: P1427880

CATALOG NUMBER: SQ2W-PH1-K-050U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	237.4	239.0	242.3	237.8	229.0	206.0	185.7	178.1	193.8	219.7	243.3
115°	289.5	289.5	290.2	288.0	270.1	246.3	219.5	208.3	221.7	245.6	271.6
117.5°	340.6	341.5	338.6	332.6	311.9	284.2	254.2	236.3	246.9	272.0	298.8
120°	372.8	374.3	371.3	362.4	342.3	311.0	276.8	256.0	264.2	288.7	315.5
122.5°	406.1	405.8	402.3	392.1	368.5	336.0	302.4	276.8	280.2	303.0	329.2
125°	452.4	451.7	448.7	436.8	412.2	378.7	339.3	308.1	303.6	322.9	349.7
127.5°	496.5	494.8	490.2	475.8	450.6	418.3	375.0	339.6	329.6	341.8	366.4
130°	526.8	524.6	516.4	500.8	476.2	445.7	401.8	361.6	347.5	354.9	376.5
132.5°	556.0	549.6	542.6	525.8	503.0	471.3	426.8	384.8	365.4	368.6	385.4
135°	593.0	587.1	578.2	561.8	540.2	509.0	464.3	418.9	392.1	389.2	398.8
137.5°	625.6	619.4	609.3	595.1	573.4	545.6	502.7	454.8	421.0	411.0	414.8
140°	645.9	638.4	629.5	615.4	596.0	567.0	525.3	479.2	441.2	427.1	424.9
142.5°	662.5	656.9	647.4	634.4	617.5	588.4	548.0	502.4	462.1	443.8	438.6
145°	687.5	683.1	672.7	660.8	646.6	617.6	580.4	535.0	494.8	471.0	459.9
147.5°	708.7	705.1	696.9	682.9	671.0	643.2	609.3	569.1	527.9	498.4	484.0
150°	721.8	718.8	710.6	697.2	685.3	659.3	626.5	589.3	549.9	518.6	500.0
152.5°	734.3	731.3	721.9	708.5	698.4	674.2	644.4	609.0	568.9	537.7	518.5
155°	750.8	747.1	738.1	725.5	716.6	694.2	666.7	635.5	601.2	568.5	546.9
157.5°	763.9	759.3	750.9	740.1	730.6	710.0	686.1	659.1	629.2	598.0	575.9
160°	771.6	766.4	757.5	747.8	738.9	719.5	698.0	673.4	645.9	617.6	593.8
162.5°	777.0	772.4	761.7	753.2	745.4	727.9	707.5	685.3	660.8	636.1	614.0
165°	782.8	777.6	766.4	759.7	753.0	738.1	720.3	702.4	681.6	661.5	643.6
167.5°	783.2	778.9	767.8	761.2	756.3	743.5	729.1	715.4	699.2	683.4	668.5
170°	782.0	778.3	767.2	761.2	757.5	747.1	734.4	722.5	709.9	696.5	684.6
172.5°	777.9	774.2	763.6	758.8	756.9	747.7	737.4	728.5	717.6	707.8	698.3
175°	767.2	764.2	755.3	752.3	753.0	747.1	739.6	734.4	727.7	721.8	716.6
177.5°	751.5	749.8	743.2	743.2	745.6	742.0	739.6	737.3	734.3	732.5	730.7
180°	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7



TEST NUMBER: P1427880

CATALOG NUMBER: SQ2W-PH1-K-050U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9
2.5°	2283.9	2267.1	2257.7	2250.3	2248.7	2247.2	2248.7	2250.3	2257.7	2267.1	2283.9
5°	2203.2	2157.9	2127.6	2104.5	2102.5	2100.6	2102.5	2104.5	2127.6	2157.9	2203.2
7.5°	2075.8	2023.3	1989.9	1964.5	1963.0	1961.4	1963.0	1964.5	1989.9	2023.3	2075.8
10°	1994.2	1940.6	1910.3	1887.6	1887.6	1887.6	1887.6	1887.6	1910.3	1940.6	1994.2
12.5°	1925.7	1876.0	1853.5	1837.9	1842.6	1847.3	1842.6	1837.9	1853.5	1876.0	1925.7
15°	1837.4	1801.3	1795.5	1793.7	1804.5	1815.2	1804.5	1793.7	1795.5	1801.3	1837.4
17.5°	1765.3	1745.9	1758.4	1770.9	1783.4	1795.9	1783.4	1770.9	1758.4	1745.9	1765.3
20°	1723.5	1712.8	1736.2	1756.7	1768.4	1780.1	1768.4	1756.7	1736.2	1712.8	1723.5
22.5°	1690.3	1685.9	1711.6	1732.5	1738.7	1745.0	1738.7	1732.5	1711.6	1685.9	1690.3
25°	1637.9	1644.3	1666.7	1682.8	1679.9	1676.9	1679.9	1682.8	1666.7	1644.3	1637.9
27.5°	1587.3	1599.9	1613.6	1624.3	1626.0	1627.8	1626.0	1624.3	1613.6	1599.9	1587.3
30°	1546.9	1563.0	1576.7	1590.1	1602.8	1615.5	1602.8	1590.1	1576.7	1563.0	1546.9
32.5°	1501.9	1532.0	1564.4	1596.0	1625.0	1654.1	1625.0	1596.0	1564.4	1532.0	1501.9
35°	1438.2	1482.1	1535.7	1599.9	1695.5	1791.1	1695.5	1599.9	1535.7	1482.1	1438.2
37.5°	1371.1	1417.3	1463.6	1505.9	1536.3	1566.7	1536.3	1505.9	1463.6	1417.3	1371.1
40°	1324.3	1381.8	1441.3	1468.4	1398.2	1327.9	1398.2	1468.4	1441.3	1381.8	1324.3
42.5°	1264.2	1327.6	1405.1	1433.5	1314.9	1196.2	1314.9	1433.5	1405.1	1327.6	1264.2
45°	1175.8	1210.9	1231.4	1225.5	1140.6	1055.8	1140.6	1225.5	1231.4	1210.9	1175.8
47.5°	1114.1	1118.0	1072.2	1029.5	996.3	963.1	996.3	1029.5	1072.2	1118.0	1114.1
50°	1082.1	1076.2	1003.1	942.8	921.4	899.9	921.4	942.8	1003.1	1076.2	1082.1
52.5°	1056.5	1044.8	947.5	870.9	856.4	842.0	856.4	870.9	947.5	1044.8	1056.5
55°	1026.5	1010.9	877.2	776.3	773.3	770.4	773.3	776.3	877.2	1010.9	1026.5
57.5°	911.5	895.1	779.2	693.6	698.6	703.7	698.6	693.6	779.2	895.1	911.5
60°	798.7	783.1	703.1	641.7	635.8	629.9	635.8	641.7	703.1	783.1	798.7
62.5°	693.2	674.8	620.6	578.4	572.6	566.7	572.6	578.4	620.6	674.8	693.2
65°	568.0	541.7	496.8	463.1	463.1	463.1	463.1	496.8	541.7	568.0	568.0
67.5°	466.1	439.9	405.8	374.3	350.9	327.5	350.9	374.3	405.8	439.9	466.1
70°	400.7	369.5	331.4	299.0	283.4	267.8	283.4	299.0	331.4	369.5	400.7
72.5°	333.2	302.8	271.7	244.0	226.0	208.1	226.0	244.0	271.7	302.8	333.2
75°	238.3	207.5	179.3	157.5	155.6	153.6	155.6	157.5	179.3	207.5	238.3
77.5°	163.5	142.1	127.9	117.3	117.5	117.6	117.5	117.3	127.9	142.1	163.5
80°	111.2	96.1	95.1	94.6	95.6	96.6	95.6	94.6	95.1	96.1	111.2
82.5°	80.8	72.7	74.0	75.1	75.3	75.5	75.3	75.1	74.0	72.7	80.8
85°	44.9	41.9	38.0	34.9	33.9	32.9	33.9	34.9	38.0	41.9	44.9
87.5°	13.4	13.2	14.3	14.9	15.5	15.2	15.5	14.9	14.3	13.2	13.4
90°	17.1	22.3	27.5	30.5	33.5	32.0	33.5	30.5	22.3	17.1	17.1
92.5°	34.4	43.2	49.6	54.9	57.3	57.0	57.3	49.6	43.2	34.4	34.4
95°	69.2	79.6	90.0	97.5	101.9	100.5	101.9	97.5	90.0	79.6	69.2
97.5°	106.7	120.7	132.3	139.3	143.8	146.7	143.8	139.3	132.3	120.7	106.7
100°	131.7	145.1	158.5	166.7	174.1	177.1	174.1	166.7	158.5	145.1	131.7
102.5°	151.9	169.5	184.1	192.9	199.1	202.1	199.1	192.9	184.1	169.5	151.9
105°	185.3	203.9	219.5	230.7	237.4	239.6	237.4	230.7	219.5	203.9	185.3
107.5°	218.6	237.8	252.2	264.6	272.8	277.5	272.8	264.6	252.2	237.8	218.6
110°	244.8	260.4	276.1	287.2	295.4	298.4	295.4	287.2	276.1	260.4	244.8



TEST NUMBER: P1427880

CATALOG NUMBER: SQ2W-PH1-K-050U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	266.8	284.2	299.9	311.0	320.4	324.6	320.4	311.0	299.9	284.2	266.8
115°	297.6	320.7	334.8	345.3	352.0	355.7	352.0	345.3	334.8	320.7	297.6
117.5°	323.2	347.3	362.8	370.9	374.0	376.7	374.0	370.9	362.8	347.3	323.2
120°	339.3	361.6	379.5	389.9	393.6	395.1	393.6	389.9	379.5	361.6	339.3
122.5°	354.2	375.3	392.6	405.4	411.5	413.0	411.5	405.4	392.6	375.3	354.2
125°	375.0	395.1	413.0	425.6	432.3	436.0	432.3	425.6	413.0	395.1	375.0
127.5°	393.2	414.9	431.3	442.7	449.3	452.3	449.3	442.7	431.3	414.9	393.2
130°	403.3	425.6	442.0	454.6	460.6	463.6	460.6	454.6	442.0	425.6	403.3
132.5°	411.0	434.6	451.5	463.0	469.5	472.5	469.5	463.0	451.5	434.6	411.0
135°	420.4	445.0	462.8	474.0	479.9	482.9	479.9	474.0	462.8	445.0	420.4
137.5°	428.6	450.9	469.5	481.3	486.6	488.6	486.6	481.3	469.5	450.9	428.6
140°	434.6	453.9	472.5	483.7	489.6	490.4	489.6	483.7	472.5	453.9	434.6
142.5°	442.3	457.5	473.7	484.9	490.8	492.1	490.8	484.9	473.7	457.5	442.3
145°	456.1	465.1	476.2	486.6	491.8	493.3	491.8	486.6	476.2	465.1	456.1
147.5°	473.5	476.4	482.2	489.0	494.1	495.1	494.1	489.0	482.2	476.4	473.5
150°	486.6	485.9	488.1	492.6	497.1	496.3	497.1	492.6	488.1	485.9	486.6
152.5°	501.5	497.2	497.1	499.1	501.2	501.1	501.2	499.1	497.1	497.2	501.5
155°	526.8	518.6	514.2	512.7	512.7	511.9	512.7	512.7	514.2	518.6	526.8
157.5°	554.6	543.2	536.5	532.9	531.9	530.2	531.9	532.9	536.5	543.2	554.6
160°	573.7	561.0	554.4	548.4	546.2	543.9	546.2	548.4	554.4	561.0	573.7
162.5°	591.6	579.5	572.2	566.9	564.6	561.2	564.6	566.9	572.2	579.5	591.6
165°	620.6	607.9	599.7	595.3	592.3	589.3	592.3	595.3	599.7	607.9	620.6
167.5°	649.6	635.8	630.4	625.3	622.5	617.2	622.5	625.3	630.4	635.8	649.6
170°	667.5	654.8	651.8	647.4	642.2	636.2	642.2	647.4	651.8	654.8	667.5
172.5°	682.9	674.4	671.5	667.0	665.4	660.6	665.4	667.0	671.5	674.4	682.9
175°	705.4	698.7	698.7	698.0	695.7	691.3	695.7	698.0	698.7	698.7	705.4
177.5°	724.2	720.6	723.0	723.0	722.4	718.2	722.4	723.0	723.0	720.6	724.2
180°	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7



TEST NUMBER: P1427880

CATALOG NUMBER: SQ2W-PH1-K-050U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2306.9	2306.9	2306.9	2306.9
2.5°	2308.0	2323.5	2312.5	2301.6
5°	2263.7	2309.3	2310.3	2311.3
7.5°	2147.4	2208.6	2238.9	2269.1
10°	2071.3	2140.5	2186.4	2232.2
12.5°	2002.8	2078.7	2151.1	2223.5
15°	1903.7	1980.8	2090.1	2199.3
17.5°	1816.4	1884.1	2001.8	2119.4
20°	1768.4	1831.1	1947.2	2063.2
22.5°	1725.1	1780.5	1898.2	2015.8
25°	1647.7	1688.1	1820.8	1953.5
27.5°	1575.8	1601.8	1740.3	1878.9
30°	1528.4	1549.1	1687.7	1826.2
32.5°	1474.0	1488.8	1632.1	1775.3
35°	1404.0	1415.7	1565.0	1714.2
37.5°	1324.9	1330.2	1490.2	1650.2
40°	1268.7	1268.9	1436.7	1604.5
42.5°	1214.8	1219.7	1387.5	1555.3
45°	1126.0	1132.3	1307.0	1481.6
47.5°	1060.4	1061.8	1228.2	1394.7
50°	1020.6	1013.8	1170.9	1327.9
52.5°	982.6	964.5	1113.7	1263.0
55°	924.1	883.1	1026.5	1169.9
57.5°	828.4	799.9	935.5	1071.1
60°	749.9	746.3	878.0	1009.7
62.5°	675.6	693.8	819.2	944.7
65°	575.8	610.2	724.3	838.5
67.5°	484.2	522.7	622.2	721.7
70°	425.1	465.3	553.1	640.9
72.5°	363.0	404.3	479.6	554.9
75°	271.4	311.4	371.9	432.4
77.5°	192.0	224.4	268.5	312.6
80°	140.5	170.7	203.9	237.1
82.5°	98.3	117.6	142.2	166.8
85°	46.8	51.2	62.9	74.6
87.5°	15.0	15.9	16.1	16.2
90°	13.4	8.2	5.2	2.2
92.5°	28.9	20.1	14.1	8.2
95°	58.0	46.1	32.7	23.1
97.5°	92.4	73.2	60.0	44.1
100°	110.9	92.3	79.6	62.5
102.5°	131.1	115.5	98.1	81.0
105°	167.4	148.1	128.0	108.6
107.5°	201.1	179.8	155.7	138.3
110°	222.5	199.4	174.1	158.5

TEST NUMBER: P1427880

CATALOG NUMBER: SQ2W-PH1-K-050U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	243.3	219.7	193.8	178.1
115°	271.6	245.6	221.7	208.3
117.5°	298.8	272.0	246.9	236.3
120°	315.5	288.7	264.2	256.0
122.5°	329.2	303.0	280.2	276.8
125°	349.7	322.9	303.6	308.1
127.5°	366.4	341.8	329.6	339.6
130°	376.5	354.9	347.5	361.6
132.5°	385.4	368.6	365.4	384.8
135°	398.8	389.2	392.1	418.9
137.5°	414.8	411.0	421.0	454.8
140°	424.9	427.1	441.2	479.2
142.5°	438.6	443.8	462.1	502.4
145°	459.9	471.0	494.8	535.0
147.5°	484.0	498.4	527.9	569.1
150°	500.0	518.6	549.9	589.3
152.5°	518.5	537.7	568.9	609.0
155°	546.9	568.5	601.2	635.5
157.5°	575.9	598.0	629.2	659.1
160°	593.8	617.6	645.9	673.4
162.5°	614.0	636.1	660.8	685.3
165°	643.6	661.5	681.6	702.4
167.5°	668.5	683.4	699.2	715.4
170°	684.6	696.5	709.9	722.5
172.5°	698.3	707.8	717.6	728.5
175°	716.6	721.8	727.7	734.4
177.5°	730.7	732.5	734.3	737.3
180°	736.7	736.7	736.7	736.7



TEST NUMBER: P1427880
 CATALOG NUMBER: SQ2W-PH1-K-050U-100D-L835-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	21.15	22.22	21.91	23.00	23.95	19.98	21.04	20.74	21.83	22.77
	3H	23.34	24.29	24.11	25.09	26.07	21.04	22.00	21.82	22.79	23.77
	4H	24.16	25.06	24.95	25.86	26.86	21.30	22.20	22.09	23.00	23.99
	6H	24.64	25.47	25.44	26.28	27.28	21.45	22.28	22.25	23.09	24.09
	8H	24.80	25.59	25.61	26.42	27.42	21.51	22.30	22.33	23.13	24.14
	12H	24.86	25.62	25.68	26.44	27.47	21.53	22.29	22.35	23.11	24.14
4H	2H	21.61	22.51	22.41	23.31	24.30	20.69	21.59	21.48	22.39	23.38
	3H	23.88	24.63	24.69	25.47	26.47	21.93	22.69	22.74	23.52	24.53
	4H	24.76	25.44	25.58	26.28	27.31	22.23	22.92	23.06	23.75	24.79
	6H	25.33	25.92	26.17	26.78	27.82	22.45	23.03	23.29	23.89	24.93
	8H	25.54	26.09	26.38	26.94	28.00	22.54	23.09	23.38	23.94	25.00
	12H	25.63	26.13	26.50	27.00	28.06	22.57	23.07	23.44	23.94	25.00
8H	4H	24.80	25.35	25.64	26.20	27.26	22.48	23.03	23.32	23.88	24.94
	6H	25.44	25.89	26.31	26.79	27.84	22.76	23.21	23.63	24.11	25.16
	8H	25.70	26.11	26.59	27.00	28.07	22.90	23.31	23.79	24.20	25.27
	12H	25.84	26.20	26.73	27.08	28.20	22.98	23.33	23.86	24.22	25.34
12H	4H	24.76	25.26	25.63	26.13	27.19	22.49	22.98	23.35	23.86	24.91
	6H	25.42	25.82	26.30	26.71	27.78	22.79	23.20	23.68	24.09	25.16
	8H	25.70	26.05	26.58	26.93	28.06	22.96	23.32	23.85	24.20	25.33