

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: P1428043

Luminaire Tested: SQ2W-PP3-K-050U-075D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428043
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-050U-075D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

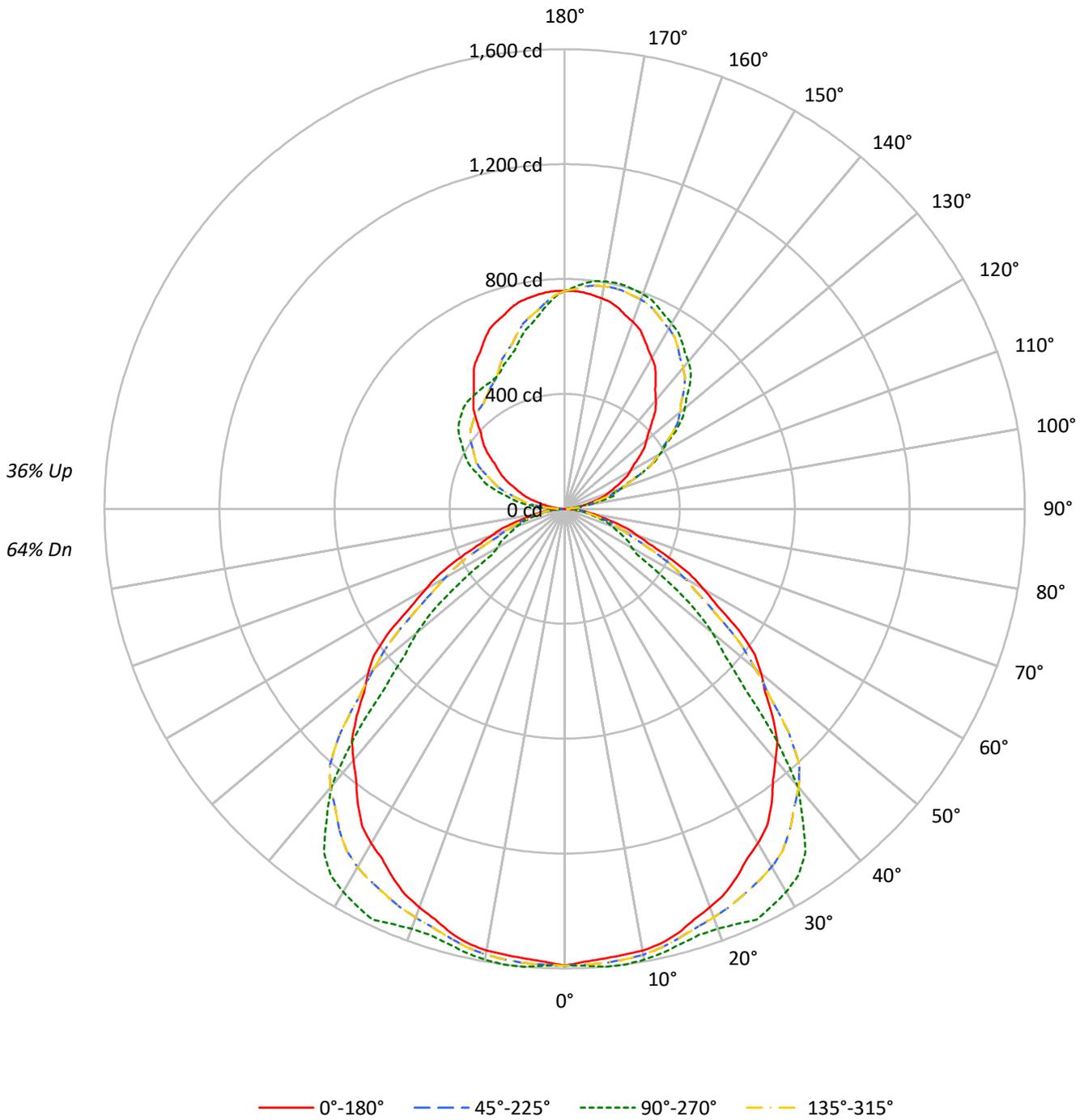
Lumens per Lamp: N/A
Luminaire Lumens: 6223.5 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 41.6
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	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	64				
1	102	98	94	91	95	92	89	86	81	79	77	71	70	68	62	61	60	56				
2	93	86	80	75	87	81	76	71	72	68	64	64	61	58	56	54	52	48				
3	85	76	69	63	80	72	66	60	64	59	55	57	53	50	50	47	45	41				
4	78	68	60	54	73	64	57	52	57	52	47	51	46	43	45	42	39	36				
5	72	61	53	47	68	57	50	45	51	46	41	46	41	38	41	37	34	31				
6	67	55	47	41	63	52	45	39	47	41	36	42	37	33	37	33	30	28				
7	62	49	42	36	58	47	40	35	42	36	32	38	33	29	34	30	27	25				
8	57	45	37	32	54	43	36	31	39	33	29	35	30	26	31	27	24	22				
9	53	41	34	29	50	39	32	28	36	30	26	32	27	24	29	25	22	20				
10	50	38	31	26	47	36	29	25	33	27	23	30	25	22	27	23	20	18				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	25678	25678	25678	25678
5°	25476	25940	25476	25940
10°	25605	26130	25605	26130
15°	25544	26191	25544	26191
20°	25362	26719	25362	26719
25°	25218	28122	25218	28122
30°	25073	28711	25073	28711
35°	24720	28763	24720	28763
40°	24059	26575	24059	26575
45°	23340	20230	23340	20230
50°	22423	16849	22423	16849
55°	20870	12115	20870	12115
60°	17970	8686	17970	8686
65°	15159	8542	15159	8542
70°	12618	8176	12618	8176
75°	10698	7654	10698	7654
80°	9065	6880	9065	6880
85°	7169	3742	7169	3742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 25532 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.4	2.4
10°-20°	438.3	7.0
20°-30°	686.6	11.0
30°-40°	847.0	13.6
40°-50°	797.4	12.8
50°-60°	564.7	9.1
60°-70°	321.7	5.2
70°-80°	159.3	2.6
80°-90°	42.1	0.7
90°-100°	60.4	1.0
100°-110°	176.1	2.8
110°-120°	287.3	4.6
120°-130°	364.6	5.9
130°-140°	390.1	6.3
140°-150°	364.3	5.9
150°-160°	299.8	4.8
160°-170°	201.0	3.2
170°-180°	71.4	1.1
0°-30°	1276.4	20.5
0°-40°	2123.4	34.1
0°-60°	3485.5	56.0
0°-90°	4008.5	64.4
90°-120°	523.8	8.4
90°-150°	1642.8	26.4
90°-180°	2215.0	35.6
0°-180°	6223.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1590	1590	1590	1590	1590	
5°	1572	1600	1572	1600	1572	150
15°	1528	1567	1528	1567	1528	431
25°	1416	1579	1416	1579	1416	652
35°	1254	1459	1254	1459	1254	782
45°	1022	886	1022	886	1022	787
55°	741	430	741	430	741	654
65°	397	224	397	224	397	398
75°	172	123	172	123	172	186
85°	39	20	39	20	39	45
90°	2	17	2	33	2	4
95°	24	18	24	103	24	29
105°	112	179	112	247	112	119
115°	215	297	215	366	215	211
125°	317	471	317	449	317	284
135°	431	617	431	497	431	333
145°	551	711	551	508	551	345
155°	654	772	654	527	654	301
165°	723	805	723	607	723	204
175°	756	788	756	712	756	72
180°	759	759	759	759	759	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4
2.5°	1578.3	1588.5	1598.6	1596.2	1589.7	1587.0	1588.2	1589.4	1590.5	1591.7	1590.5
5°	1571.9	1584.6	1597.3	1595.4	1588.7	1586.1	1587.6	1590.0	1595.3	1600.5	1595.3
7.5°	1565.9	1578.9	1591.9	1590.2	1583.6	1581.6	1584.1	1587.6	1594.1	1600.5	1594.1
10°	1561.8	1573.0	1584.2	1582.6	1576.6	1575.5	1579.2	1583.3	1588.5	1593.8	1588.5
12.5°	1549.7	1560.3	1570.9	1569.6	1564.2	1563.9	1568.9	1573.7	1578.4	1583.0	1578.4
15°	1528.2	1537.9	1547.6	1547.8	1544.8	1546.7	1553.4	1559.4	1563.1	1566.9	1563.1
17.5°	1498.9	1510.7	1522.6	1525.3	1525.0	1529.6	1539.2	1547.3	1551.2	1555.1	1551.2
20°	1476.1	1490.3	1504.5	1509.1	1510.6	1517.4	1529.3	1540.2	1547.6	1555.1	1547.6
22.5°	1451.9	1468.5	1485.0	1491.2	1493.9	1504.2	1522.1	1538.8	1551.7	1564.5	1551.7
25°	1415.6	1432.0	1448.4	1460.4	1470.8	1489.2	1515.3	1539.8	1559.2	1578.6	1559.2
27.5°	1373.2	1389.5	1405.8	1426.3	1448.3	1474.0	1503.4	1529.4	1544.7	1560.1	1544.7
30°	1344.9	1360.6	1376.3	1399.9	1426.0	1454.4	1485.0	1511.6	1525.8	1540.0	1525.8
32.5°	1310.0	1326.3	1342.6	1367.6	1395.5	1426.0	1459.0	1487.1	1500.1	1513.1	1500.1
35°	1254.2	1269.9	1285.5	1314.7	1348.3	1382.3	1416.7	1444.3	1451.8	1459.3	1451.8
37.5°	1189.9	1207.7	1225.5	1258.2	1295.9	1324.3	1343.6	1358.2	1358.6	1359.1	1358.6
40°	1141.5	1164.7	1187.8	1220.5	1256.4	1276.2	1279.9	1280.3	1270.6	1260.9	1270.6
42.5°	1094.5	1124.2	1153.9	1180.2	1205.3	1210.5	1195.7	1173.8	1130.6	1087.4	1130.6
45°	1022.2	1057.3	1092.4	1108.5	1118.2	1085.3	1009.8	945.8	915.9	886.0	915.9
47.5°	945.2	979.8	1014.5	1010.1	992.6	942.8	860.8	794.1	773.5	752.8	773.5
50°	892.7	925.6	958.5	934.7	892.1	836.1	766.6	709.6	690.2	670.8	690.2
52.5°	833.5	862.8	892.1	856.3	798.7	739.7	679.2	626.4	596.8	567.2	596.8
55°	741.4	761.6	781.8	742.5	683.5	618.5	547.5	487.2	458.8	430.4	458.8
57.5°	630.4	644.6	658.8	628.0	582.1	517.5	434.1	363.6	331.8	299.9	331.8
60°	556.5	567.7	578.9	550.9	509.8	448.1	365.9	300.4	284.7	269.0	284.7
62.5°	489.2	499.2	509.2	480.0	437.7	382.7	314.8	262.6	257.0	251.5	257.0
65°	396.8	406.5	416.2	385.6	341.5	298.5	256.7	225.1	224.3	223.6	224.3
67.5°	315.7	326.3	336.9	308.1	266.1	234.4	212.8	196.5	195.6	194.7	195.6
70°	267.3	278.5	289.7	262.8	223.2	197.4	185.5	176.2	174.7	173.2	174.7
72.5°	227.0	237.6	248.2	224.7	189.9	168.6	160.8	154.8	153.9	153.0	153.9
75°	171.5	179.7	187.9	170.9	145.5	130.9	127.2	124.2	123.5	122.7	123.5
77.5°	124.4	129.6	134.9	123.7	107.1	97.9	95.9	94.3	93.5	92.8	93.5
80°	97.5	99.8	102.0	94.1	82.9	77.0	76.2	75.5	74.7	74.0	74.7
82.5°	73.3	72.6	71.8	67.2	61.4	58.1	57.4	56.5	55.1	53.8	55.1
85°	38.7	37.2	35.7	34.2	32.7	30.4	27.5	24.7	22.4	20.2	22.4
87.5°	12.6	13.2	13.9	12.3	9.8	8.1	7.5	7.3	7.4	7.4	7.4
90°	2.3	5.4	9.2	12.3	14.6	15.3	15.3	16.1	16.9	16.9	16.9
92.5°	8.4	13.3	13.5	13.5	16.4	17.8	19.0	19.2	19.9	19.9	19.9
95°	23.8	26.1	39.1	38.3	26.1	20.7	17.6	17.6	17.6	17.6	17.6
97.5°	45.4	48.7	50.9	68.2	72.0	69.6	56.7	47.7	42.6	40.3	42.6
100°	64.4	65.9	70.5	71.3	90.4	108.8	99.6	88.1	84.3	82.0	84.3
102.5°	83.4	84.3	91.3	94.6	99.0	109.4	141.3	137.8	135.2	134.7	135.2
105°	111.9	112.6	125.7	131.8	134.9	134.9	134.1	149.4	173.9	179.3	173.9
107.5°	142.4	145.9	161.2	177.6	181.1	182.1	178.1	175.8	174.9	175.5	174.9
110°	163.2	168.6	187.0	207.7	213.0	214.6	213.0	210.7	209.2	209.2	209.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	183.4	191.3	212.1	235.9	244.9	249.5	246.1	244.4	242.9	244.1	242.9
115°	214.6	226.1	253.6	278.2	296.6	298.8	298.1	298.1	297.3	297.3	297.3
117.5°	243.4	261.8	292.7	321.2	342.5	348.7	351.7	350.8	349.9	351.4	349.9
120°	263.6	285.1	320.3	352.5	373.2	382.4	385.4	383.9	385.4	383.9	385.4
122.5°	285.1	311.4	346.1	379.5	403.8	414.3	417.9	418.2	418.5	417.6	418.5
125°	317.2	349.4	390.0	424.5	449.8	462.1	465.1	465.9	467.4	471.3	467.4
127.5°	349.7	386.2	430.8	464.1	490.0	504.8	509.6	511.3	514.5	516.2	514.5
130°	372.4	413.8	459.0	490.4	515.7	531.8	540.2	542.5	546.4	545.6	546.4
132.5°	396.3	439.5	485.4	518.0	541.5	558.8	566.0	572.6	573.9	575.0	573.9
135°	431.4	478.2	524.1	556.3	578.5	595.4	604.6	610.7	614.6	616.9	614.6
137.5°	468.4	517.7	561.8	590.5	612.9	627.4	637.9	644.3	648.3	650.1	648.3
140°	493.5	541.0	583.9	613.8	633.7	648.3	657.5	665.1	669.7	669.7	669.7
142.5°	517.4	564.3	606.0	635.9	653.3	666.7	676.5	682.3	687.5	687.5	687.5
145°	551.0	597.7	636.0	665.9	680.5	692.7	703.4	708.0	711.1	711.1	711.1
147.5°	586.1	627.4	662.4	691.0	703.3	717.7	726.1	729.8	733.6	732.0	733.6
150°	606.9	645.2	678.9	705.7	718.0	731.8	740.2	743.3	747.1	744.8	747.1
152.5°	627.1	663.6	694.2	719.2	729.7	743.4	753.1	756.2	758.8	757.1	758.8
155°	654.4	686.6	714.9	737.9	747.1	760.1	769.3	773.2	776.2	772.4	776.2
157.5°	678.8	706.5	731.2	752.3	762.1	773.3	781.9	786.7	789.7	788.0	789.7
160°	693.5	718.8	741.0	760.9	770.1	780.1	789.3	794.6	797.7	795.4	797.7
162.5°	705.7	728.6	749.6	767.7	775.6	784.4	795.4	800.1	803.2	800.3	803.2
165°	723.4	741.8	760.1	775.5	782.4	789.3	800.8	806.1	808.4	805.4	808.4
167.5°	736.7	750.8	765.7	778.8	783.9	790.6	802.1	806.6	809.5	805.7	809.5
170°	744.1	756.3	769.3	780.1	783.9	790.0	801.5	805.4	807.7	803.8	807.7
172.5°	750.2	759.4	770.0	779.5	781.5	786.4	797.2	801.1	802.8	799.5	802.8
175°	756.3	761.7	769.3	775.5	774.7	777.8	787.0	790.0	793.1	788.5	793.1
177.5°	759.2	761.7	764.1	767.8	765.4	765.4	772.1	773.9	774.6	772.1	774.6
180°	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4
2.5°	1589.4	1588.2	1587.0	1589.7	1596.2	1598.6	1588.5	1578.3	1588.5	1598.6	1596.2
5°	1590.0	1587.6	1586.1	1588.7	1595.4	1597.3	1584.6	1571.9	1584.6	1597.3	1595.4
7.5°	1587.6	1584.1	1581.6	1583.6	1590.2	1591.9	1578.9	1565.9	1578.9	1591.9	1590.2
10°	1583.3	1579.2	1575.5	1576.6	1582.6	1584.2	1573.0	1561.8	1573.0	1584.2	1582.6
12.5°	1573.7	1568.9	1563.9	1564.2	1569.6	1570.9	1560.3	1549.7	1560.3	1570.9	1569.6
15°	1559.4	1553.4	1546.7	1544.8	1547.8	1547.6	1537.9	1528.2	1537.9	1547.6	1547.8
17.5°	1547.3	1539.2	1529.6	1525.0	1525.3	1522.6	1510.7	1498.9	1510.7	1522.6	1525.3
20°	1540.2	1529.3	1517.4	1510.6	1509.1	1504.5	1490.3	1476.1	1490.3	1504.5	1509.1
22.5°	1538.8	1522.1	1504.2	1493.9	1491.2	1485.0	1468.5	1451.9	1468.5	1485.0	1491.2
25°	1539.8	1515.3	1489.2	1470.8	1460.4	1448.4	1432.0	1415.6	1432.0	1448.4	1460.4
27.5°	1529.4	1503.4	1474.0	1448.3	1426.3	1405.8	1389.5	1373.2	1389.5	1405.8	1426.3
30°	1511.6	1485.0	1454.4	1426.0	1399.9	1376.3	1360.6	1344.9	1360.6	1376.3	1399.9
32.5°	1487.1	1459.0	1426.0	1395.5	1367.6	1342.6	1326.3	1310.0	1326.3	1342.6	1367.6
35°	1444.3	1416.7	1382.3	1348.3	1314.7	1285.5	1269.9	1254.2	1269.9	1285.5	1314.7
37.5°	1358.2	1343.6	1324.3	1295.9	1258.2	1225.5	1207.7	1189.9	1207.7	1225.5	1258.2
40°	1280.3	1279.9	1276.2	1256.4	1220.5	1187.8	1164.7	1141.5	1164.7	1187.8	1220.5
42.5°	1173.8	1195.7	1210.5	1205.3	1180.2	1153.9	1124.2	1094.5	1124.2	1153.9	1180.2
45°	945.8	1009.8	1085.3	1118.2	1108.5	1092.4	1057.3	1022.2	1057.3	1092.4	1108.5
47.5°	794.1	860.8	942.8	992.6	1010.1	1014.5	979.8	945.2	979.8	1014.5	1010.1
50°	709.6	766.6	836.1	892.1	934.7	958.5	925.6	892.7	925.6	958.5	934.7
52.5°	626.4	679.2	739.7	798.7	856.3	892.1	862.8	833.5	862.8	892.1	856.3
55°	487.2	547.5	618.5	683.5	742.5	781.8	761.6	741.4	761.6	781.8	742.5
57.5°	363.6	434.1	517.5	582.1	628.0	658.8	644.6	630.4	644.6	658.8	628.0
60°	300.4	365.9	448.1	509.8	550.9	578.9	567.7	556.5	567.7	578.9	550.9
62.5°	262.6	314.8	382.7	437.7	480.0	509.2	499.2	489.2	499.2	509.2	480.0
65°	225.1	256.7	298.5	341.5	385.6	416.2	406.5	396.8	406.5	416.2	385.6
67.5°	196.5	212.8	234.4	266.1	308.1	336.9	326.3	315.7	326.3	336.9	308.1
70°	176.2	185.5	197.4	223.2	262.8	289.7	278.5	267.3	278.5	289.7	262.8
72.5°	154.8	160.8	168.6	189.9	224.7	248.2	237.6	227.0	237.6	248.2	224.7
75°	124.2	127.2	130.9	145.5	170.9	187.9	179.7	171.5	179.7	187.9	170.9
77.5°	94.3	95.9	97.9	107.1	123.7	134.9	129.6	124.4	129.6	134.9	123.7
80°	75.5	76.2	77.0	82.9	94.1	102.0	99.8	97.5	99.8	102.0	94.1
82.5°	56.5	57.4	58.1	61.4	67.2	71.8	72.6	73.3	72.6	71.8	67.2
85°	24.7	27.5	30.4	32.7	34.2	35.7	37.2	38.7	37.2	35.7	34.2
87.5°	7.3	7.5	8.1	9.8	12.3	13.9	13.2	12.6	13.2	13.8	12.6
90°	16.1	15.3	15.3	14.6	12.3	9.2	5.4	2.3	5.4	8.4	13.8
92.5°	19.2	19.0	17.8	16.4	13.5	13.5	13.3	8.4	14.6	20.7	29.7
95°	17.6	17.6	20.7	26.1	38.3	39.1	26.1	23.8	33.7	47.5	59.8
97.5°	47.7	56.7	69.6	72.0	68.2	50.9	48.7	45.4	61.8	75.4	95.2
100°	88.1	99.6	108.8	90.4	71.3	70.5	65.9	64.4	82.0	95.0	114.2
102.5°	137.8	141.3	109.4	99.0	94.6	91.3	84.3	83.4	101.0	118.9	135.0
105°	149.4	134.1	134.9	134.9	131.8	125.7	112.6	111.9	131.8	152.5	172.4
107.5°	175.8	178.1	182.1	181.1	177.6	161.2	145.9	142.4	160.3	185.1	207.0
110°	210.7	213.0	214.6	213.0	207.7	187.0	168.6	163.2	179.3	205.4	229.1



TEST NUMBER: P1428043

CATALOG NUMBER: SQ2W-PP3-K-050U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	244.4	246.1	249.5	244.9	235.9	212.1	191.3	183.4	199.5	226.2	250.6
115°	298.1	298.1	298.8	296.6	278.2	253.6	226.1	214.6	228.4	252.9	279.7
117.5°	350.8	351.7	348.7	342.5	321.2	292.7	261.8	243.4	254.3	280.2	307.7
120°	383.9	385.4	382.4	373.2	352.5	320.3	285.1	263.6	272.0	297.3	324.9
122.5°	418.2	417.9	414.3	403.8	379.5	346.1	311.4	285.1	288.6	312.0	339.0
125°	465.9	465.1	462.1	449.8	424.5	390.0	349.4	317.2	312.6	332.6	360.2
127.5°	511.3	509.6	504.8	490.0	464.1	430.8	386.2	349.7	339.5	352.0	377.3
130°	542.5	540.2	531.8	515.7	490.4	459.0	413.8	372.4	357.9	365.5	387.7
132.5°	572.6	566.0	558.8	541.5	518.0	485.4	439.5	396.3	376.2	379.6	396.9
135°	610.7	604.6	595.4	578.5	556.3	524.1	478.2	431.4	403.8	400.8	410.7
137.5°	644.3	637.9	627.4	612.9	590.5	561.8	517.7	468.4	433.6	423.3	427.1
140°	665.1	657.5	648.3	633.7	613.8	583.9	541.0	493.5	454.4	439.8	437.5
142.5°	682.3	676.5	666.7	653.3	635.9	606.0	564.3	517.4	475.9	457.0	451.6
145°	708.0	703.4	692.7	680.5	665.9	636.0	597.7	551.0	509.6	485.1	473.6
147.5°	729.8	726.1	717.7	703.3	691.0	662.4	627.4	586.1	543.6	513.3	498.4
150°	743.3	740.2	731.8	718.0	705.7	678.9	645.2	606.9	566.3	534.1	514.9
152.5°	756.2	753.1	743.4	729.7	719.2	694.2	663.6	627.1	585.9	553.7	533.9
155°	773.2	769.3	760.1	747.1	737.9	714.9	686.6	654.4	619.2	585.4	563.2
157.5°	786.7	781.9	773.3	762.1	752.3	731.2	706.5	678.8	648.0	615.8	593.1
160°	794.6	789.3	780.1	770.1	760.9	741.0	718.8	693.5	665.1	636.0	611.5
162.5°	800.1	795.4	784.4	775.6	767.7	749.6	728.6	705.7	680.5	655.0	632.3
165°	806.1	800.8	789.3	782.4	775.5	760.1	741.8	723.4	701.9	681.2	662.8
167.5°	806.6	802.1	790.6	783.9	778.8	765.7	750.8	736.7	720.0	703.8	688.4
170°	805.4	801.5	790.0	783.9	780.1	769.3	756.3	744.1	731.0	717.2	705.0
172.5°	801.1	797.2	786.4	781.5	779.5	770.0	759.4	750.2	739.0	728.9	719.1
175°	790.0	787.0	777.8	774.7	775.5	769.3	761.7	756.3	749.4	743.3	737.9
177.5°	773.9	772.1	765.4	765.4	767.8	764.1	761.7	759.2	756.2	754.3	752.5
180°	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6



TEST NUMBER: P1428043

CATALOG NUMBER: SQ2W-PP3-K-050U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4
2.5°	1589.7	1587.0	1588.2	1589.4	1590.5	1591.7	1590.5	1589.4	1588.2	1587.0	1589.7
5°	1588.7	1586.1	1587.6	1590.0	1595.3	1600.5	1595.3	1590.0	1587.6	1586.1	1588.7
7.5°	1583.6	1581.6	1584.1	1587.6	1594.1	1600.5	1594.1	1587.6	1584.1	1581.6	1583.6
10°	1576.6	1575.5	1579.2	1583.3	1588.5	1593.8	1588.5	1583.3	1579.2	1575.5	1576.6
12.5°	1564.2	1563.9	1568.9	1573.7	1578.4	1583.0	1578.4	1573.7	1568.9	1563.9	1564.2
15°	1544.8	1546.7	1553.4	1559.4	1563.1	1566.9	1563.1	1559.4	1553.4	1546.7	1544.8
17.5°	1525.0	1529.6	1539.2	1547.3	1551.2	1555.1	1551.2	1547.3	1539.2	1529.6	1525.0
20°	1510.6	1517.4	1529.3	1540.2	1547.6	1555.1	1547.6	1540.2	1529.3	1517.4	1510.6
22.5°	1493.9	1504.2	1522.1	1538.8	1551.7	1564.5	1551.7	1538.8	1522.1	1504.2	1493.9
25°	1470.8	1489.2	1515.3	1539.8	1559.2	1578.6	1559.2	1539.8	1515.3	1489.2	1470.8
27.5°	1448.3	1474.0	1503.4	1529.4	1544.7	1560.1	1544.7	1529.4	1503.4	1474.0	1448.3
30°	1426.0	1454.4	1485.0	1511.6	1525.8	1540.0	1525.8	1511.6	1485.0	1454.4	1426.0
32.5°	1395.5	1426.0	1459.0	1487.1	1500.1	1513.1	1500.1	1487.1	1459.0	1426.0	1395.5
35°	1348.3	1382.3	1416.7	1444.3	1451.8	1459.3	1451.8	1444.3	1416.7	1382.3	1348.3
37.5°	1295.9	1324.3	1343.6	1358.2	1358.6	1359.1	1358.6	1358.2	1343.6	1324.3	1295.9
40°	1256.4	1276.2	1279.9	1280.3	1270.6	1260.9	1270.6	1280.3	1279.9	1276.2	1256.4
42.5°	1205.3	1210.5	1195.7	1173.8	1130.6	1087.4	1130.6	1173.8	1195.7	1210.5	1205.3
45°	1118.2	1085.3	1009.8	945.8	915.9	886.0	915.9	945.8	1009.8	1085.3	1118.2
47.5°	992.6	942.8	860.8	794.1	773.5	752.8	773.5	794.1	860.8	942.8	992.6
50°	892.1	836.1	766.6	709.6	690.2	670.8	690.2	709.6	766.6	836.1	892.1
52.5°	798.7	739.7	679.2	626.4	596.8	567.2	596.8	626.4	679.2	739.7	798.7
55°	683.5	618.5	547.5	487.2	458.8	430.4	458.8	487.2	547.5	618.5	683.5
57.5°	582.1	517.5	434.1	363.6	331.8	299.9	331.8	363.6	434.1	517.5	582.1
60°	509.8	448.1	365.9	300.4	284.7	269.0	284.7	300.4	365.9	448.1	509.8
62.5°	437.7	382.7	314.8	262.6	257.0	251.5	257.0	262.6	314.8	382.7	437.7
65°	341.5	298.5	256.7	225.1	224.3	223.6	224.3	225.1	256.7	298.5	341.5
67.5°	266.1	234.4	212.8	196.5	195.6	194.7	195.6	196.5	212.8	234.4	266.1
70°	223.2	197.4	185.5	176.2	174.7	173.2	174.7	176.2	185.5	197.4	223.2
72.5°	189.9	168.6	160.8	154.8	153.9	153.0	153.9	154.8	160.8	168.6	189.9
75°	145.5	130.9	127.2	124.2	123.5	122.7	123.5	124.2	127.2	130.9	145.5
77.5°	107.1	97.9	95.9	94.3	93.5	92.8	93.5	94.3	95.9	97.9	107.1
80°	82.9	77.0	76.2	75.5	74.7	74.0	74.7	75.5	76.2	77.0	82.9
82.5°	61.4	58.1	57.4	56.5	55.1	53.8	55.1	56.5	57.4	58.1	61.4
85°	32.7	30.4	27.5	24.7	22.4	20.2	22.4	24.7	27.5	30.4	32.7
87.5°	10.4	9.7	10.2	10.3	10.9	10.6	10.9	10.3	10.2	9.7	10.4
90°	17.6	23.0	28.4	31.4	34.5	33.0	34.5	31.4	28.4	23.0	17.6
92.5°	35.4	44.4	51.0	56.6	59.0	58.7	59.0	56.6	51.0	44.4	35.4
95°	71.3	82.0	92.7	100.4	105.0	103.4	105.0	100.4	92.7	82.0	71.3
97.5°	109.9	124.3	136.2	143.4	148.0	151.1	148.0	143.4	136.2	124.3	109.9
100°	135.6	149.4	163.2	171.6	179.3	182.4	179.3	171.6	163.2	149.4	135.6
102.5°	156.5	174.6	189.6	198.6	205.1	208.1	205.1	198.6	189.6	174.6	156.5
105°	190.8	210.0	226.1	237.5	244.4	246.7	244.4	237.5	226.1	210.0	190.8
107.5°	225.1	244.9	259.8	272.5	280.9	285.8	280.9	272.5	259.8	244.9	225.1
110°	252.1	268.2	284.3	295.8	304.2	307.3	304.2	295.8	284.3	268.2	252.1



TEST NUMBER: P1428043

CATALOG NUMBER: SQ2W-PP3-K-050U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	274.8	292.7	308.8	320.3	330.0	334.3	330.0	320.3	308.8	292.7	274.8
115°	306.5	330.3	344.8	355.6	362.5	366.3	362.5	355.6	344.8	330.3	306.5
117.5°	332.9	357.7	373.6	381.9	385.1	387.9	385.1	381.9	373.6	357.7	332.9
120°	349.4	372.4	390.8	401.5	405.4	406.9	405.4	401.5	390.8	372.4	349.4
122.5°	364.7	386.5	404.3	417.5	423.8	425.3	423.8	417.5	404.3	386.5	364.7
125°	386.2	406.9	425.3	438.3	445.2	449.0	445.2	438.3	425.3	406.9	386.2
127.5°	404.9	427.3	444.1	455.9	462.7	465.7	462.7	455.9	444.1	427.3	404.9
130°	415.3	438.3	455.2	468.2	474.3	477.4	474.3	468.2	455.2	438.3	415.3
132.5°	423.3	447.5	465.0	476.8	483.5	486.6	483.5	476.8	465.0	447.5	423.3
135°	432.9	458.2	476.6	488.1	494.3	497.3	494.3	488.1	476.6	458.2	432.9
137.5°	441.4	464.4	483.5	495.6	501.1	503.1	501.1	495.6	483.5	464.4	441.4
140°	447.5	467.4	486.6	498.1	504.2	505.0	504.2	498.1	486.6	467.4	447.5
142.5°	455.5	471.1	487.8	499.3	505.4	506.8	505.4	499.3	487.8	471.1	455.5
145°	469.7	478.9	490.4	501.1	506.5	508.0	506.5	501.1	490.4	478.9	469.7
147.5°	487.7	490.6	496.5	503.6	508.8	509.9	508.8	503.6	496.5	490.6	487.7
150°	501.1	500.4	502.7	507.3	511.9	511.1	511.9	507.3	502.7	500.4	501.1
152.5°	516.5	512.0	511.9	514.0	516.2	516.0	516.2	514.0	511.9	512.0	516.5
155°	542.5	534.1	529.5	528.0	528.0	527.2	528.0	528.0	529.5	534.1	542.5
157.5°	571.2	559.4	552.5	548.8	547.7	546.1	547.7	548.8	552.5	559.4	571.2
160°	590.8	577.8	570.9	564.7	562.4	560.2	562.4	564.7	570.9	577.8	590.8
162.5°	609.2	596.8	589.3	583.8	581.5	577.9	581.5	583.8	589.3	596.8	609.2
165°	639.1	626.1	617.6	613.0	610.0	606.9	610.0	613.0	617.6	626.1	639.1
167.5°	669.0	654.7	649.2	644.0	641.1	635.6	641.1	644.0	649.2	654.7	669.0
170°	687.4	674.3	671.3	666.7	661.3	655.2	661.3	666.7	671.3	674.3	687.4
172.5°	703.3	694.6	691.5	686.9	685.2	680.3	685.2	686.9	691.5	694.6	703.3
175°	726.4	719.5	719.5	718.8	716.5	711.9	716.5	718.8	719.5	719.5	726.4
177.5°	745.7	742.1	744.5	744.5	743.9	739.6	743.9	744.5	744.5	742.1	745.7
180°	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6



TEST NUMBER: P1428043

CATALOG NUMBER: SQ2W-PP3-K-050U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1590.4	1590.4	1590.4	1590.4
2.5°	1596.2	1598.6	1588.5	1578.3
5°	1595.4	1597.3	1584.6	1571.9
7.5°	1590.2	1591.9	1578.9	1565.9
10°	1582.6	1584.2	1573.0	1561.8
12.5°	1569.6	1570.9	1560.3	1549.7
15°	1547.8	1547.6	1537.9	1528.2
17.5°	1525.3	1522.6	1510.7	1498.9
20°	1509.1	1504.5	1490.3	1476.1
22.5°	1491.2	1485.0	1468.5	1451.9
25°	1460.4	1448.4	1432.0	1415.6
27.5°	1426.3	1405.8	1389.5	1373.2
30°	1399.9	1376.3	1360.6	1344.9
32.5°	1367.6	1342.6	1326.3	1310.0
35°	1314.7	1285.5	1269.9	1254.2
37.5°	1258.2	1225.5	1207.7	1189.9
40°	1220.5	1187.8	1164.7	1141.5
42.5°	1180.2	1153.9	1124.2	1094.5
45°	1108.5	1092.4	1057.3	1022.2
47.5°	1010.1	1014.5	979.8	945.2
50°	934.7	958.5	925.6	892.7
52.5°	856.3	892.1	862.8	833.5
55°	742.5	781.8	761.6	741.4
57.5°	628.0	658.8	644.6	630.4
60°	550.9	578.9	567.7	556.5
62.5°	480.0	509.2	499.2	489.2
65°	385.6	416.2	406.5	396.8
67.5°	308.1	336.9	326.3	315.7
70°	262.8	289.7	278.5	267.3
72.5°	224.7	248.2	237.6	227.0
75°	170.9	187.9	179.7	171.5
77.5°	123.7	134.9	129.6	124.4
80°	94.1	102.0	99.8	97.5
82.5°	67.2	71.8	72.6	73.3
85°	34.2	35.7	37.2	38.7
87.5°	12.6	13.8	13.2	12.6
90°	13.8	8.4	5.4	2.3
92.5°	29.7	20.7	14.6	8.4
95°	59.8	47.5	33.7	23.8
97.5°	95.2	75.4	61.8	45.4
100°	114.2	95.0	82.0	64.4
102.5°	135.0	118.9	101.0	83.4
105°	172.4	152.5	131.8	111.9
107.5°	207.0	185.1	160.3	142.4
110°	229.1	205.4	179.3	163.2

TEST NUMBER: P1428043

CATALOG NUMBER: SQ2W-PP3-K-050U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	250.6	226.2	199.5	183.4
115°	279.7	252.9	228.4	214.6
117.5°	307.7	280.2	254.3	243.4
120°	324.9	297.3	272.0	263.6
122.5°	339.0	312.0	288.6	285.1
125°	360.2	332.6	312.6	317.2
127.5°	377.3	352.0	339.5	349.7
130°	387.7	365.5	357.9	372.4
132.5°	396.9	379.6	376.2	396.3
135°	410.7	400.8	403.8	431.4
137.5°	427.1	423.3	433.6	468.4
140°	437.5	439.8	454.4	493.5
142.5°	451.6	457.0	475.9	517.4
145°	473.6	485.1	509.6	551.0
147.5°	498.4	513.3	543.6	586.1
150°	514.9	534.1	566.3	606.9
152.5°	533.9	553.7	585.9	627.1
155°	563.2	585.4	619.2	654.4
157.5°	593.1	615.8	648.0	678.8
160°	611.5	636.0	665.1	693.5
162.5°	632.3	655.0	680.5	705.7
165°	662.8	681.2	701.9	723.4
167.5°	688.4	703.8	720.0	736.7
170°	705.0	717.2	731.0	744.1
172.5°	719.1	728.9	739.0	750.2
175°	737.9	743.3	749.4	756.3
177.5°	752.5	754.3	756.2	759.2
180°	758.6	758.6	758.6	758.6



TEST NUMBER: P1428043
 CATALOG NUMBER: SQ2W-PP3-K-050U-075D-L840-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	19.98	20.94	20.81	21.79	22.84	15.75	16.71	16.58	17.56	18.61
	3H	21.05	21.91	21.89	22.77	23.85	17.07	17.93	17.91	18.79	19.87
	4H	21.42	22.23	22.28	23.10	24.19	17.63	18.44	18.49	19.31	20.40
	6H	21.62	22.37	22.49	23.24	24.34	18.00	18.75	18.87	19.62	20.72
	8H	21.69	22.40	22.57	23.28	24.39	18.13	18.84	19.01	19.73	20.83
	12H	21.71	22.39	22.60	23.27	24.40	18.17	18.85	19.06	19.73	20.86
4H	2H	20.11	20.92	20.98	21.79	22.88	16.67	17.48	17.54	18.35	19.44
	3H	21.42	22.09	22.29	22.98	24.09	18.11	18.78	18.98	19.67	20.78
	4H	21.93	22.54	22.82	23.43	24.56	18.73	19.34	19.62	20.23	21.37
	6H	22.25	22.77	23.15	23.69	24.83	19.18	19.71	20.09	20.63	21.76
	8H	22.36	22.85	23.27	23.76	24.91	19.35	19.84	20.26	20.76	21.90
	12H	22.41	22.85	23.33	23.78	24.93	19.41	19.85	20.33	20.78	21.93
8H	4H	21.95	22.44	22.86	23.36	24.50	19.05	19.54	19.95	20.45	21.60
	6H	22.37	22.78	23.30	23.73	24.88	19.61	20.02	20.54	20.97	22.12
	8H	22.55	22.91	23.49	23.86	25.02	19.86	20.22	20.80	21.16	22.33
	12H	22.65	22.97	23.60	23.91	25.12	19.96	20.28	20.91	21.22	22.43
12H	4H	21.92	22.36	22.84	23.29	24.44	19.06	19.51	19.99	20.44	21.59
	6H	22.36	22.72	23.30	23.67	24.83	19.68	20.04	20.62	20.98	22.15
	8H	22.56	22.88	23.51	23.82	25.03	19.96	20.27	20.90	21.21	22.43