

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: P1428517

Luminaire Tested: SQ2W-WBM-K-050U-050D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428517
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBM-K-050U-050D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

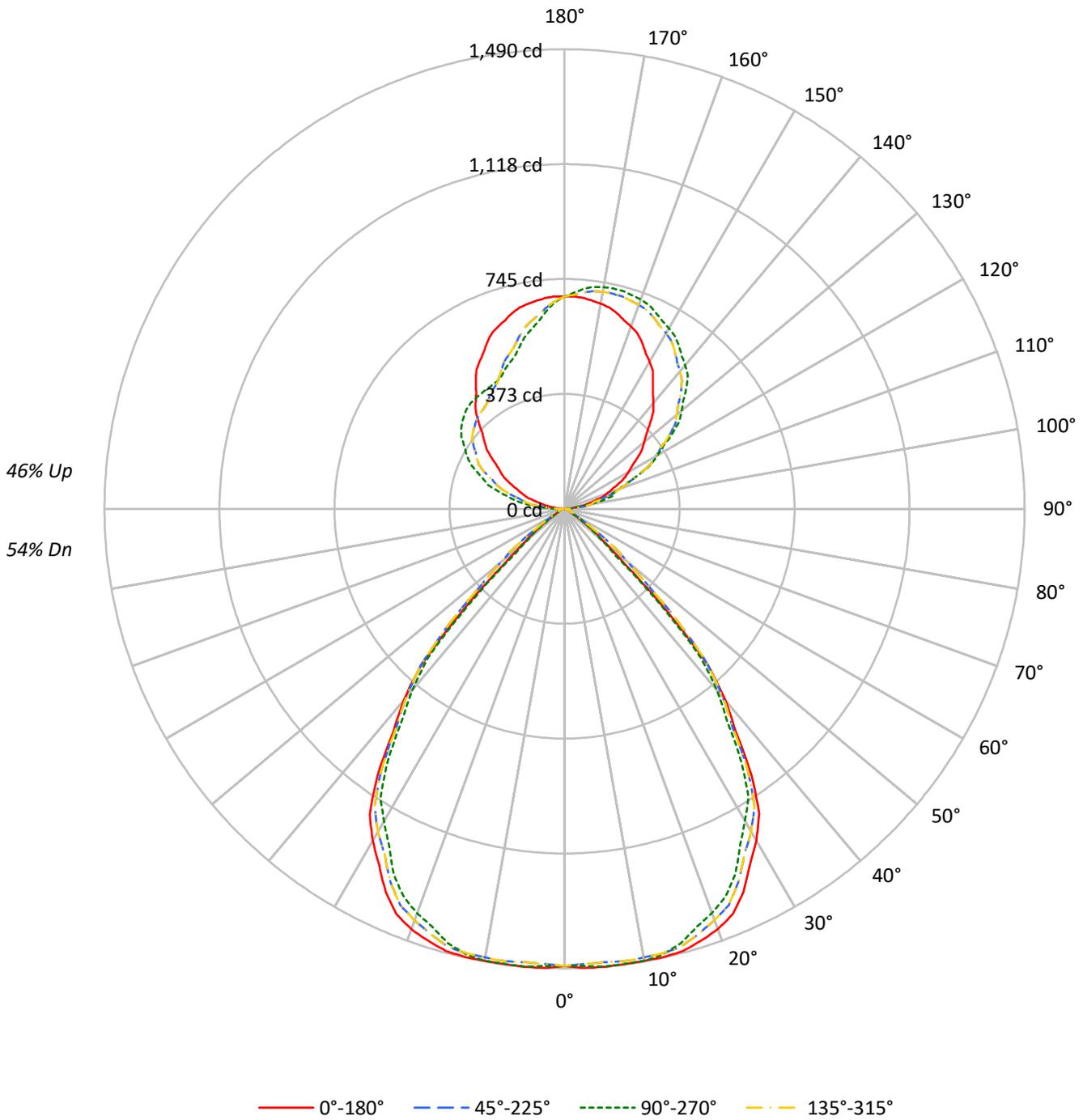
Lumens per Lamp: N/A
Luminaire Lumens: 4332.3 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 33
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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54				
1	100	97	94	91	93	90	87	85	78	76	74	66	65	64	55	55	54	49				
2	93	87	82	78	86	81	77	73	70	67	65	61	58	56	51	50	49	44				
3	86	78	72	67	80	73	68	64	64	60	57	55	53	50	47	45	44	40				
4	80	71	64	59	75	67	61	56	58	54	50	51	48	45	44	42	40	36				
5	74	64	57	52	69	60	54	50	53	49	45	47	43	40	41	38	36	33				
6	69	59	51	46	65	55	49	44	49	44	40	43	39	36	38	35	33	30				
7	65	54	46	41	60	51	44	40	45	40	36	40	36	33	35	32	30	27				
8	60	49	42	37	56	47	40	36	42	37	33	37	33	30	32	30	27	25				
9	56	45	38	34	53	43	37	33	38	34	30	34	30	28	30	27	25	23				
10	53	42	35	31	50	40	34	30	36	31	28	32	28	25	28	25	23	21				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	23936	23936	23936	23936
5°	24154	24142	24154	24142
10°	24398	24387	24398	24387
15°	24805	24366	24805	24366
20°	24924	23970	24924	23970
25°	24410	23296	24410	23296
30°	23161	21783	23161	21783
35°	20830	19653	20830	19653
40°	17076	16178	17076	16178
45°	10677	10028	10677	10028
50°	4177	3820	4177	3820
55°	2060	2041	2060	2041
60°	962	872	962	872
65°	867	814	867	814
70°	840	807	840	807
75°	842	755	842	755
80°	790	725	790	725
85°	797	667	797	667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 12154 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	3.3
10°-20°	414.5	9.6
20°-30°	612.8	14.1
30°-40°	634.1	14.6
40°-50°	381.4	8.8
50°-60°	91.2	2.1
60°-70°	24.9	0.6
70°-80°	13.9	0.3
80°-90°	7.2	0.2
90°-100°	54.8	1.3
100°-110°	159.8	3.7
110°-120°	260.8	6.0
120°-130°	330.9	7.6
130°-140°	354.1	8.2
140°-150°	330.7	7.6
150°-160°	272.1	6.3
160°-170°	182.5	4.2
170°-180°	64.8	1.5
0°-30°	1169.1	27.0
0°-40°	1803.1	41.6
0°-60°	2275.7	52.5
0°-90°	2321.8	53.6
90°-120°	475.4	11.0
90°-150°	1491.1	34.4
90°-180°	2010.0	46.4
0°-180°	4332.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1482	1482	1482	1482	1482	
5°	1490	1490	1490	1490	1490	142
15°	1484	1458	1484	1458	1484	418
25°	1370	1308	1370	1308	1370	626
35°	1057	997	1057	997	1057	649
45°	468	439	468	439	468	362
55°	73	72	73	72	73	73
65°	23	21	23	21	23	23
75°	14	12	14	12	14	14
85°	4	4	4	4	4	4
90°	2	15	2	30	2	2
95°	22	16	22	94	22	26
105°	102	163	102	224	102	108
115°	195	270	195	332	195	192
125°	288	428	288	408	288	258
135°	392	560	392	451	392	303
145°	500	645	500	461	500	313
155°	594	701	594	478	594	273
165°	657	731	657	551	657	185
175°	686	716	686	646	686	65
180°	689	689	689	689	689	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5
2.5°	1489.9	1488.2	1486.4	1482.0	1476.7	1476.8	1482.3	1486.2	1484.9	1483.7	1484.9
5°	1490.3	1488.1	1485.9	1480.9	1474.9	1476.3	1485.1	1491.5	1490.6	1489.6	1490.6
7.5°	1488.8	1487.8	1486.9	1483.2	1478.6	1479.6	1486.3	1491.0	1489.5	1488.1	1489.5
10°	1488.2	1488.5	1488.8	1484.0	1477.3	1477.5	1484.4	1489.4	1488.5	1487.5	1488.5
12.5°	1487.6	1490.2	1492.8	1486.2	1476.6	1474.4	1479.9	1483.4	1481.2	1479.0	1481.2
15°	1484.0	1489.0	1494.1	1485.1	1471.6	1464.8	1464.8	1464.0	1460.8	1457.7	1460.8
17.5°	1468.2	1474.2	1480.2	1468.1	1449.9	1438.5	1433.6	1429.0	1425.1	1421.3	1425.1
20°	1450.6	1456.6	1462.6	1448.2	1427.0	1412.5	1404.6	1398.3	1396.7	1395.1	1396.7
22.5°	1422.7	1429.2	1435.7	1420.3	1397.6	1382.0	1373.3	1366.2	1363.6	1361.0	1363.6
25°	1370.2	1375.3	1380.3	1364.3	1341.3	1326.6	1320.3	1314.6	1311.2	1307.7	1311.2
27.5°	1300.3	1303.1	1305.9	1290.4	1268.8	1254.3	1247.1	1240.5	1235.7	1230.9	1235.7
30°	1242.3	1243.6	1244.8	1232.4	1215.3	1202.0	1192.6	1183.6	1176.0	1168.4	1176.0
32.5°	1173.5	1174.8	1176.0	1165.1	1150.0	1138.0	1129.1	1120.8	1114.8	1108.7	1114.8
35°	1056.8	1056.2	1055.6	1048.5	1039.4	1029.6	1019.2	1009.8	1003.4	997.1	1003.4
37.5°	910.8	911.7	912.6	907.4	900.1	892.4	884.2	876.4	870.0	863.6	870.0
40°	810.2	810.8	811.5	807.1	801.1	792.1	780.1	770.7	769.1	767.6	769.1
42.5°	687.4	696.9	706.3	702.5	694.2	685.5	676.3	667.5	660.1	652.7	660.1
45°	467.6	496.4	525.1	532.3	532.3	526.8	515.7	499.9	469.5	439.2	469.5
47.5°	264.1	296.8	329.5	351.0	368.8	361.2	328.4	294.5	257.7	220.9	257.7
50°	166.3	188.4	210.5	238.1	267.5	259.4	213.9	176.7	164.4	152.1	164.4
52.5°	118.0	129.2	140.5	166.4	197.3	193.6	155.2	124.7	118.2	111.7	118.2
55°	73.2	77.3	81.4	94.1	109.5	108.6	91.2	77.5	75.0	72.5	75.0
57.5°	43.5	47.7	52.0	57.6	63.6	63.6	57.6	52.0	48.0	44.1	48.0
60°	29.8	33.3	36.8	41.5	46.5	45.9	39.6	34.0	30.5	27.0	30.5
62.5°	25.9	27.3	28.8	32.4	36.7	36.3	31.2	27.1	25.9	24.7	25.9
65°	22.7	23.1	23.4	23.7	24.0	23.8	23.2	22.6	22.0	21.3	22.0
67.5°	20.0	20.4	20.7	20.6	20.3	20.2	20.1	19.9	19.3	18.8	19.3
70°	17.8	18.1	18.4	18.5	18.5	18.3	18.0	17.7	17.4	17.1	17.4
72.5°	16.1	16.4	16.7	16.6	16.3	16.2	16.1	15.9	15.4	14.8	15.4
75°	13.5	13.5	13.5	13.5	13.5	13.3	13.0	12.7	12.4	12.1	12.4
77.5°	10.2	10.6	10.9	10.7	10.4	10.2	10.2	10.2	9.8	9.5	9.8
80°	8.5	8.8	9.2	9.0	8.7	8.5	8.5	8.4	8.1	7.8	8.1
82.5°	6.8	6.9	6.9	6.9	6.9	6.8	6.8	6.7	6.4	6.1	6.4
85°	4.3	4.3	4.3	4.0	3.7	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	1.6	2.4	3.3	3.7	3.9	3.9	3.9	4.1	4.2	4.2	4.2
90°	2.1	4.9	8.3	11.1	13.2	13.9	13.9	14.6	15.3	15.3	15.3
92.5°	7.7	12.1	12.2	12.2	14.9	16.1	17.2	17.4	18.1	18.1	18.1
95°	21.6	23.6	35.5	34.8	23.6	18.8	16.0	16.0	16.0	16.0	16.0
97.5°	41.2	44.2	46.2	61.9	65.4	63.2	51.5	43.3	38.7	36.6	38.7
100°	58.4	59.8	64.0	64.7	82.1	98.8	90.4	80.0	76.5	74.4	76.5
102.5°	75.7	76.5	82.9	85.8	89.9	99.3	128.3	125.1	122.7	122.3	122.7
105°	101.5	102.2	114.1	119.6	122.4	122.4	121.7	135.6	157.9	162.7	157.9
107.5°	129.2	132.4	146.3	161.2	164.4	165.3	161.6	159.5	158.7	159.3	158.7
110°	148.1	153.0	169.7	188.5	193.4	194.7	193.4	191.3	189.9	189.9	189.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	166.5	173.6	192.5	214.1	222.3	226.5	223.4	221.9	220.5	221.6	220.5
115°	194.7	205.2	230.2	252.5	269.2	271.2	270.6	270.6	269.9	269.9	269.9
117.5°	220.9	237.6	265.7	291.6	310.9	316.5	319.2	318.4	317.6	319.0	317.6
120°	239.3	258.7	290.7	319.9	338.7	347.1	349.8	348.4	349.8	348.4	349.8
122.5°	258.7	282.7	314.1	344.4	366.5	376.0	379.3	379.6	379.9	379.1	379.9
125°	287.9	317.2	354.0	385.3	408.3	419.4	422.2	422.9	424.3	427.7	424.3
127.5°	317.4	350.5	391.0	421.2	444.7	458.2	462.5	464.0	467.0	468.5	467.0
130°	338.0	375.6	416.6	445.1	468.1	482.7	490.3	492.4	495.9	495.2	495.9
132.5°	359.7	398.9	440.5	470.2	491.4	507.2	513.7	519.7	520.9	521.9	520.9
135°	391.6	434.0	475.7	504.9	525.1	540.4	548.8	554.3	557.8	559.9	557.8
137.5°	425.1	469.9	509.9	536.0	556.3	569.5	578.9	584.8	588.4	590.1	588.4
140°	447.9	491.0	530.0	557.1	575.2	588.4	596.7	603.7	607.9	607.9	607.9
142.5°	469.6	512.2	550.0	577.1	593.0	605.1	614.0	619.3	624.0	624.0	624.0
145°	500.1	542.5	577.3	604.4	617.6	628.7	638.5	642.6	645.4	645.4	645.4
147.5°	531.9	569.5	601.2	627.2	638.3	651.4	659.1	662.4	665.9	664.3	665.9
150°	550.8	585.6	616.2	640.6	651.7	664.2	671.9	674.6	678.1	676.0	678.1
152.5°	569.2	602.3	630.1	652.8	662.3	674.8	683.5	686.3	688.7	687.2	688.7
155°	594.0	623.2	648.9	669.8	678.1	689.9	698.3	701.8	704.5	701.1	704.5
157.5°	616.1	641.3	663.7	682.8	691.8	701.9	709.7	714.0	716.8	715.3	716.8
160°	629.4	652.4	672.6	690.6	699.0	708.0	716.4	721.2	724.0	721.9	724.0
162.5°	640.6	661.3	680.3	696.8	704.0	711.9	721.9	726.2	729.0	726.4	729.0
165°	656.6	673.3	689.9	703.9	710.1	716.4	726.8	731.7	733.8	731.0	733.8
167.5°	668.7	681.5	695.0	706.9	711.5	717.6	728.1	732.1	734.7	731.3	734.7
170°	675.3	686.5	698.3	708.0	711.5	717.1	727.5	731.0	733.1	729.6	733.1
172.5°	680.9	689.2	698.8	707.5	709.3	713.7	723.6	727.1	728.6	725.7	728.6
175°	686.5	691.3	698.3	703.9	703.2	705.9	714.3	717.1	719.9	715.7	719.9
177.5°	689.1	691.3	693.6	696.9	694.7	694.7	700.8	702.5	703.0	700.8	703.0
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5
2.5°	1486.2	1482.3	1476.8	1476.7	1482.0	1486.4	1488.2	1489.9	1488.2	1486.4	1482.0
5°	1491.5	1485.1	1476.3	1474.9	1480.9	1485.9	1488.1	1490.3	1488.1	1485.9	1480.9
7.5°	1491.0	1486.3	1479.6	1478.6	1483.2	1486.9	1487.8	1488.8	1487.8	1486.9	1483.2
10°	1489.4	1484.4	1477.5	1477.3	1484.0	1488.8	1488.5	1488.2	1488.5	1488.8	1484.0
12.5°	1483.4	1479.9	1474.4	1476.6	1486.2	1492.8	1490.2	1487.6	1490.2	1492.8	1486.2
15°	1464.0	1464.8	1464.8	1471.6	1485.1	1494.1	1489.0	1484.0	1489.0	1494.1	1485.1
17.5°	1429.0	1433.6	1438.5	1449.9	1468.1	1480.2	1474.2	1468.2	1474.2	1480.2	1468.1
20°	1398.3	1404.6	1412.5	1427.0	1448.2	1462.6	1456.6	1450.6	1456.6	1462.6	1448.2
22.5°	1366.2	1373.3	1382.0	1397.6	1420.3	1435.7	1429.2	1422.7	1429.2	1435.7	1420.3
25°	1314.6	1320.3	1326.6	1341.3	1364.3	1380.3	1375.3	1370.2	1375.3	1380.3	1364.3
27.5°	1240.5	1247.1	1254.3	1268.8	1290.4	1305.9	1303.1	1300.3	1303.1	1305.9	1290.4
30°	1183.6	1192.6	1202.0	1215.3	1232.4	1244.8	1243.6	1242.3	1243.6	1244.8	1232.4
32.5°	1120.8	1129.1	1138.0	1150.0	1165.1	1176.0	1174.8	1173.5	1174.8	1176.0	1165.1
35°	1009.8	1019.2	1029.6	1039.4	1048.5	1055.6	1056.2	1056.8	1056.2	1055.6	1048.5
37.5°	876.4	884.2	892.4	900.1	907.4	912.6	911.7	910.8	911.7	912.6	907.4
40°	770.7	780.1	792.1	801.1	807.1	811.5	810.8	810.2	810.8	811.5	807.1
42.5°	667.5	676.3	685.5	694.2	702.5	706.3	696.9	687.4	696.9	706.3	702.5
45°	499.9	515.7	526.8	532.3	532.3	525.1	496.4	467.6	496.4	525.1	532.3
47.5°	294.5	328.4	361.2	368.8	351.0	329.5	296.8	264.1	296.8	329.5	351.0
50°	176.7	213.9	259.4	267.5	238.1	210.5	188.4	166.3	188.4	210.5	238.1
52.5°	124.7	155.2	193.6	197.3	166.4	140.5	129.2	118.0	129.2	140.5	166.4
55°	77.5	91.2	108.6	109.5	94.1	81.4	77.3	73.2	77.3	81.4	94.1
57.5°	52.0	57.6	63.6	63.6	57.6	52.0	47.7	43.5	47.7	52.0	57.6
60°	34.0	39.6	45.9	46.5	41.5	36.8	33.3	29.8	33.3	36.8	41.5
62.5°	27.1	31.2	36.3	36.7	32.4	28.8	27.3	25.9	27.3	28.8	32.4
65°	22.6	23.2	23.8	24.0	23.7	23.4	23.1	22.7	23.1	23.4	23.7
67.5°	19.9	20.1	20.2	20.3	20.6	20.7	20.4	20.0	20.4	20.7	20.6
70°	17.7	18.0	18.3	18.5	18.5	18.4	18.1	17.8	18.1	18.4	18.5
72.5°	15.9	16.1	16.2	16.3	16.6	16.7	16.4	16.1	16.4	16.7	16.6
75°	12.7	13.0	13.3	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
77.5°	10.2	10.2	10.2	10.4	10.7	10.9	10.6	10.2	10.6	10.9	10.7
80°	8.4	8.5	8.5	8.7	9.0	9.2	8.8	8.5	8.8	9.2	9.0
82.5°	6.7	6.8	6.8	6.9	6.9	6.9	6.9	6.8	6.9	6.9	6.9
85°	3.6	3.6	3.6	3.7	4.0	4.3	4.3	4.3	4.3	4.3	4.0
87.5°	4.1	3.9	3.9	3.9	3.7	3.3	2.4	1.6	2.4	3.2	4.0
90°	14.6	13.9	13.9	13.2	11.1	8.3	4.9	2.1	4.9	7.7	12.5
92.5°	17.4	17.2	16.1	14.9	12.2	12.2	12.1	7.7	13.2	18.8	27.0
95°	16.0	16.0	18.8	23.6	34.8	35.5	23.6	21.6	30.6	43.1	54.2
97.5°	43.3	51.5	63.2	65.4	61.9	46.2	44.2	41.2	56.1	68.4	86.4
100°	80.0	90.4	98.8	82.1	64.7	64.0	59.8	58.4	74.4	86.2	103.6
102.5°	125.1	128.3	99.3	89.9	85.8	82.9	76.5	75.7	91.7	107.9	122.5
105°	135.6	121.7	122.4	122.4	119.6	114.1	102.2	101.5	119.6	138.4	156.5
107.5°	159.5	161.6	165.3	164.4	161.2	146.3	132.4	129.2	145.5	168.0	187.9
110°	191.3	193.4	194.7	193.4	188.5	169.7	153.0	148.1	162.7	186.4	208.0



TEST NUMBER: P1428517

CATALOG NUMBER: SQ2W-WBM-K-050U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	221.9	223.4	226.5	222.3	214.1	192.5	173.6	166.5	181.1	205.3	227.4
115°	270.6	270.6	271.2	269.2	252.5	230.2	205.2	194.7	207.3	229.5	253.9
117.5°	318.4	319.2	316.5	310.9	291.6	265.7	237.6	220.9	230.8	254.3	279.3
120°	348.4	349.8	347.1	338.7	319.9	290.7	258.7	239.3	246.9	269.9	294.9
122.5°	379.6	379.3	376.0	366.5	344.4	314.1	282.7	258.7	261.9	283.2	307.7
125°	422.9	422.2	419.4	408.3	385.3	354.0	317.2	287.9	283.8	301.9	326.9
127.5°	464.0	462.5	458.2	444.7	421.2	391.0	350.5	317.4	308.1	319.5	342.5
130°	492.4	490.3	482.7	468.1	445.1	416.6	375.6	338.0	324.8	331.8	351.9
132.5°	519.7	513.7	507.2	491.4	470.2	440.5	398.9	359.7	341.5	344.6	360.3
135°	554.3	548.8	540.4	525.1	504.9	475.7	434.0	391.6	366.5	363.8	372.8
137.5°	584.8	578.9	569.5	556.3	536.0	509.9	469.9	425.1	393.5	384.2	387.7
140°	603.7	596.7	588.4	575.2	557.1	530.0	491.0	447.9	412.4	399.2	397.1
142.5°	619.3	614.0	605.1	593.0	577.1	550.0	512.2	469.6	431.9	414.8	409.9
145°	642.6	638.5	628.7	617.6	604.4	577.3	542.5	500.1	462.5	440.3	429.8
147.5°	662.4	659.1	651.4	638.3	627.2	601.2	569.5	531.9	493.4	465.9	452.4
150°	674.6	671.9	664.2	651.7	640.6	616.2	585.6	550.8	514.0	484.8	467.4
152.5°	686.3	683.5	674.8	662.3	652.8	630.1	602.3	569.2	531.8	502.6	484.6
155°	701.8	698.3	689.9	678.1	669.8	648.9	623.2	594.0	562.0	531.4	511.2
157.5°	714.0	709.7	701.9	691.8	682.8	663.7	641.3	616.1	588.1	558.9	538.3
160°	721.2	716.4	708.0	699.0	690.6	672.6	652.4	629.4	603.7	577.3	555.0
162.5°	726.2	721.9	711.9	704.0	696.8	680.3	661.3	640.6	617.6	594.5	573.9
165°	731.7	726.8	716.4	710.1	703.9	689.9	673.3	656.6	637.1	618.3	601.6
167.5°	732.1	728.1	717.6	711.5	706.9	695.0	681.5	668.7	653.5	638.8	624.8
170°	731.0	727.5	717.1	711.5	708.0	698.3	686.5	675.3	663.5	651.0	639.9
172.5°	727.1	723.6	713.7	709.3	707.5	698.8	689.2	680.9	670.7	661.6	652.7
175°	717.1	714.3	705.9	703.2	703.9	698.3	691.3	686.5	680.2	674.6	669.8
177.5°	702.5	700.8	694.7	694.7	696.9	693.6	691.3	689.1	686.3	684.7	683.0
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



TEST NUMBER: P1428517

CATALOG NUMBER: SQ2W-WBM-K-050U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5
2.5°	1476.7	1476.8	1482.3	1486.2	1484.9	1483.7	1484.9	1486.2	1482.3	1476.8	1476.7
5°	1474.9	1476.3	1485.1	1491.5	1490.6	1489.6	1490.6	1491.5	1485.1	1476.3	1474.9
7.5°	1478.6	1479.6	1486.3	1491.0	1489.5	1488.1	1489.5	1491.0	1486.3	1479.6	1478.6
10°	1477.3	1477.5	1484.4	1489.4	1488.5	1487.5	1488.5	1489.4	1484.4	1477.5	1477.3
12.5°	1476.6	1474.4	1479.9	1483.4	1481.2	1479.0	1481.2	1483.4	1479.9	1474.4	1476.6
15°	1471.6	1464.8	1464.8	1464.0	1460.8	1457.7	1460.8	1464.0	1464.8	1464.8	1471.6
17.5°	1449.9	1438.5	1433.6	1429.0	1425.1	1421.3	1425.1	1429.0	1433.6	1438.5	1449.9
20°	1427.0	1412.5	1404.6	1398.3	1396.7	1395.1	1396.7	1398.3	1404.6	1412.5	1427.0
22.5°	1397.6	1382.0	1373.3	1366.2	1363.6	1361.0	1363.6	1366.2	1373.3	1382.0	1397.6
25°	1341.3	1326.6	1320.3	1314.6	1311.2	1307.7	1311.2	1314.6	1320.3	1326.6	1341.3
27.5°	1268.8	1254.3	1247.1	1240.5	1235.7	1230.9	1235.7	1240.5	1247.1	1254.3	1268.8
30°	1215.3	1202.0	1192.6	1183.6	1176.0	1168.4	1176.0	1183.6	1192.6	1202.0	1215.3
32.5°	1150.0	1138.0	1129.1	1120.8	1114.8	1108.7	1114.8	1120.8	1129.1	1138.0	1150.0
35°	1039.4	1029.6	1019.2	1009.8	1003.4	997.1	1003.4	1009.8	1019.2	1029.6	1039.4
37.5°	900.1	892.4	884.2	876.4	870.0	863.6	870.0	876.4	884.2	892.4	900.1
40°	801.1	792.1	780.1	770.7	769.1	767.6	769.1	770.7	780.1	792.1	801.1
42.5°	694.2	685.5	676.3	667.5	660.1	652.7	660.1	667.5	676.3	685.5	694.2
45°	532.3	526.8	515.7	499.9	469.5	439.2	469.5	499.9	515.7	526.8	532.3
47.5°	368.8	361.2	328.4	294.5	257.7	220.9	257.7	294.5	328.4	361.2	368.8
50°	267.5	259.4	213.9	176.7	164.4	152.1	164.4	176.7	213.9	259.4	267.5
52.5°	197.3	193.6	155.2	124.7	118.2	111.7	118.2	124.7	155.2	193.6	197.3
55°	109.5	108.6	91.2	77.5	75.0	72.5	75.0	77.5	91.2	108.6	109.5
57.5°	63.6	63.6	57.6	52.0	48.0	44.1	48.0	52.0	57.6	63.6	63.6
60°	46.5	45.9	39.6	34.0	30.5	27.0	30.5	34.0	39.6	45.9	46.5
62.5°	36.7	36.3	31.2	27.1	25.9	24.7	25.9	27.1	31.2	36.3	36.7
65°	24.0	23.8	23.2	22.6	22.0	21.3	22.0	22.6	23.2	23.8	24.0
67.5°	20.3	20.2	20.1	19.9	19.3	18.8	19.3	19.9	20.1	20.2	20.3
70°	18.5	18.3	18.0	17.7	17.4	17.1	17.4	17.7	18.0	18.3	18.5
72.5°	16.3	16.2	16.1	15.9	15.4	14.8	15.4	15.9	16.1	16.2	16.3
75°	13.5	13.3	13.0	12.7	12.4	12.1	12.4	12.7	13.0	13.3	13.5
77.5°	10.4	10.2	10.2	10.2	9.8	9.5	9.8	10.2	10.2	10.2	10.4
80°	8.7	8.5	8.5	8.4	8.1	7.8	8.1	8.4	8.5	8.5	8.7
82.5°	6.9	6.8	6.8	6.7	6.4	6.1	6.4	6.7	6.8	6.8	6.9
85°	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7
87.5°	4.5	5.3	6.3	6.8	7.4	7.1	7.4	6.8	6.3	5.3	4.5
90°	16.0	20.9	25.7	28.5	31.3	29.9	31.3	28.5	25.7	20.9	16.0
92.5°	32.1	40.3	46.3	51.3	53.6	53.3	53.6	51.3	46.3	40.3	32.1
95°	64.7	74.4	84.2	91.1	95.3	93.9	95.3	91.1	84.2	74.4	64.7
97.5°	99.7	112.8	123.7	130.2	134.4	137.2	134.4	130.2	123.7	112.8	99.7
100°	123.1	135.6	148.1	155.8	162.7	165.5	162.7	155.8	148.1	135.6	123.1
102.5°	142.0	158.4	172.1	180.3	186.1	188.9	186.1	180.3	172.1	158.4	142.0
105°	173.2	190.6	205.2	215.6	221.9	224.0	221.9	215.6	205.2	190.6	173.2
107.5°	204.3	222.3	235.8	247.3	255.0	259.4	255.0	247.3	235.8	222.3	204.3
110°	228.8	243.4	258.0	268.5	276.1	278.9	276.1	268.5	258.0	243.4	228.8



TEST NUMBER: P1428517

CATALOG NUMBER: SQ2W-WBM-K-050U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	249.4	265.7	280.3	290.7	299.5	303.4	299.5	290.7	280.3	265.7	249.4
115°	278.2	299.8	313.0	322.7	329.0	332.5	329.0	322.7	313.0	299.8	278.2
117.5°	302.1	324.7	339.1	346.6	349.6	352.1	349.6	346.6	339.1	324.7	302.1
120°	317.2	338.0	354.7	364.4	367.9	369.3	367.9	364.4	354.7	338.0	317.2
122.5°	331.1	350.8	366.9	378.9	384.6	386.0	384.6	378.9	366.9	350.8	331.1
125°	350.5	369.3	386.0	397.8	404.1	407.6	404.1	397.8	386.0	369.3	350.5
127.5°	367.5	387.8	403.1	413.8	419.9	422.7	419.9	413.8	403.1	387.8	367.5
130°	377.0	397.8	413.1	425.0	430.5	433.3	430.5	425.0	413.1	397.8	377.0
132.5°	384.2	406.2	422.0	432.7	438.9	441.6	438.9	432.7	422.0	406.2	384.2
135°	393.0	415.9	432.6	443.0	448.6	451.4	448.6	443.0	432.6	415.9	393.0
137.5°	400.6	421.5	438.9	449.9	454.9	456.7	454.9	449.9	438.9	421.5	400.6
140°	406.2	424.3	441.6	452.1	457.6	458.3	457.6	452.1	441.6	424.3	406.2
142.5°	413.4	427.6	442.8	453.2	458.8	460.0	458.8	453.2	442.8	427.6	413.4
145°	426.3	434.7	445.1	454.9	459.7	461.1	459.7	454.9	445.1	434.7	426.3
147.5°	442.6	445.3	450.7	457.1	461.8	462.8	461.8	457.1	445.3	442.6	442.6
150°	454.9	454.2	456.3	460.4	464.6	463.9	464.6	460.4	456.3	454.2	454.9
152.5°	468.8	464.7	464.6	466.5	468.5	468.4	468.5	466.5	464.6	464.7	468.8
155°	492.4	484.8	480.6	479.2	479.2	478.5	479.2	479.2	480.6	484.8	492.4
157.5°	518.4	507.7	501.5	498.1	497.1	495.6	497.1	498.1	501.5	507.7	518.4
160°	536.2	524.4	518.2	512.6	510.5	508.4	510.5	512.6	518.2	524.4	536.2
162.5°	552.9	541.7	534.8	529.8	527.8	524.6	527.8	529.8	534.8	541.7	552.9
165°	580.1	568.2	560.6	556.4	553.6	550.8	553.6	556.4	560.6	568.2	580.1
167.5°	607.2	594.2	589.2	584.5	581.9	576.9	581.9	584.5	589.2	594.2	607.2
170°	623.9	612.0	609.3	605.1	600.2	594.7	600.2	605.1	609.3	612.0	623.9
172.5°	638.3	630.4	627.6	623.5	621.9	617.5	621.9	623.5	627.6	630.4	638.3
175°	659.3	653.1	653.1	652.4	650.3	646.1	650.3	652.4	653.1	653.1	659.3
177.5°	676.9	673.5	675.8	675.8	675.2	671.3	675.2	675.8	675.8	673.5	676.9
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



TEST NUMBER: P1428517

CATALOG NUMBER: SQ2W-WBM-K-050U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1482.5	1482.5	1482.5	1482.5
2.5°	1482.0	1486.4	1488.2	1489.9
5°	1480.9	1485.9	1488.1	1490.3
7.5°	1483.2	1486.9	1487.8	1488.8
10°	1484.0	1488.8	1488.5	1488.2
12.5°	1486.2	1492.8	1490.2	1487.6
15°	1485.1	1494.1	1489.0	1484.0
17.5°	1468.1	1480.2	1474.2	1468.2
20°	1448.2	1462.6	1456.6	1450.6
22.5°	1420.3	1435.7	1429.2	1422.7
25°	1364.3	1380.3	1375.3	1370.2
27.5°	1290.4	1305.9	1303.1	1300.3
30°	1232.4	1244.8	1243.6	1242.3
32.5°	1165.1	1176.0	1174.8	1173.5
35°	1048.5	1055.6	1056.2	1056.8
37.5°	907.4	912.6	911.7	910.8
40°	807.1	811.5	810.8	810.2
42.5°	702.5	706.3	696.9	687.4
45°	532.3	525.1	496.4	467.6
47.5°	351.0	329.5	296.8	264.1
50°	238.1	210.5	188.4	166.3
52.5°	166.4	140.5	129.2	118.0
55°	94.1	81.4	77.3	73.2
57.5°	57.6	52.0	47.7	43.5
60°	41.5	36.8	33.3	29.8
62.5°	32.4	28.8	27.3	25.9
65°	23.7	23.4	23.1	22.7
67.5°	20.6	20.7	20.4	20.0
70°	18.5	18.4	18.1	17.8
72.5°	16.6	16.7	16.4	16.1
75°	13.5	13.5	13.5	13.5
77.5°	10.7	10.9	10.6	10.2
80°	9.0	9.2	8.8	8.5
82.5°	6.9	6.9	6.9	6.8
85°	4.0	4.3	4.3	4.3
87.5°	4.0	3.2	2.4	1.6
90°	12.5	7.7	4.9	2.1
92.5°	27.0	18.8	13.2	7.7
95°	54.2	43.1	30.6	21.6
97.5°	86.4	68.4	56.1	41.2
100°	103.6	86.2	74.4	58.4
102.5°	122.5	107.9	91.7	75.7
105°	156.5	138.4	119.6	101.5
107.5°	187.9	168.0	145.5	129.2
110°	208.0	186.4	162.7	148.1



TEST NUMBER: P1428517

CATALOG NUMBER: SQ2W-WBM-K-050U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	227.4	205.3	181.1	166.5
115°	253.9	229.5	207.3	194.7
117.5°	279.3	254.3	230.8	220.9
120°	294.9	269.9	246.9	239.3
122.5°	307.7	283.2	261.9	258.7
125°	326.9	301.9	283.8	287.9
127.5°	342.5	319.5	308.1	317.4
130°	351.9	331.8	324.8	338.0
132.5°	360.3	344.6	341.5	359.7
135°	372.8	363.8	366.5	391.6
137.5°	387.7	384.2	393.5	425.1
140°	397.1	399.2	412.4	447.9
142.5°	409.9	414.8	431.9	469.6
145°	429.8	440.3	462.5	500.1
147.5°	452.4	465.9	493.4	531.9
150°	467.4	484.8	514.0	550.8
152.5°	484.6	502.6	531.8	569.2
155°	511.2	531.4	562.0	594.0
157.5°	538.3	558.9	588.1	616.1
160°	555.0	577.3	603.7	629.4
162.5°	573.9	594.5	617.6	640.6
165°	601.6	618.3	637.1	656.6
167.5°	624.8	638.8	653.5	668.7
170°	639.9	651.0	663.5	675.3
172.5°	652.7	661.6	670.7	680.9
175°	669.8	674.6	680.2	686.5
177.5°	683.0	684.7	686.3	689.1
180°	688.6	688.6	688.6	688.6



TEST NUMBER: P1428517
 CATALOG NUMBER: SQ2W-WBM-K-050U-050D-L940-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	3.30	4.04	4.26	4.99	6.22	3.28	4.02	4.24	4.97	6.20
	3H	3.99	4.65	4.96	5.61	6.86	3.90	4.56	4.87	5.52	6.77
	4H	4.36	4.97	5.34	5.94	7.20	4.21	4.82	5.19	5.79	7.05
	6H	4.62	5.19	5.62	6.16	7.43	4.44	5.00	5.43	5.97	7.25
	8H	4.74	5.28	5.74	6.26	7.53	4.54	5.07	5.53	6.06	7.33
	12H	4.82	5.33	5.82	6.31	7.60	4.59	5.10	5.59	6.07	7.37
4H	2H	3.39	4.01	4.38	4.97	6.24	3.37	3.99	4.36	4.95	6.22
	3H	4.34	4.84	5.33	5.84	7.11	4.24	4.75	5.24	5.75	7.02
	4H	4.84	5.30	5.84	6.29	7.59	4.69	5.15	5.69	6.14	7.44
	6H	5.27	5.66	6.28	6.67	7.97	5.06	5.45	6.07	6.47	7.77
	8H	5.46	5.82	6.47	6.83	8.14	5.22	5.59	6.24	6.60	7.91
	12H	5.58	5.91	6.61	6.93	8.25	5.32	5.65	6.35	6.67	7.98
8H	4H	4.96	5.33	5.97	6.33	7.64	4.82	5.18	5.83	6.19	7.50
	6H	5.53	5.83	6.57	6.88	8.19	5.33	5.63	6.37	6.68	7.99
	8H	5.82	6.09	6.87	7.12	8.45	5.60	5.86	6.64	6.90	8.22
	12H	6.04	6.27	7.08	7.30	8.67	5.77	6.00	6.81	7.03	8.40
12H	4H	4.93	5.26	5.96	6.28	7.60	4.80	5.13	5.83	6.15	7.47
	6H	5.57	5.83	6.61	6.87	8.20	5.38	5.64	6.42	6.68	8.00
	8H	5.89	6.12	6.94	7.15	8.52	5.68	5.91	6.72	6.93	8.31