

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427602

Luminaire Tested: SQ2W-BBN-K-050U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427602
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBN-K-050U-125D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

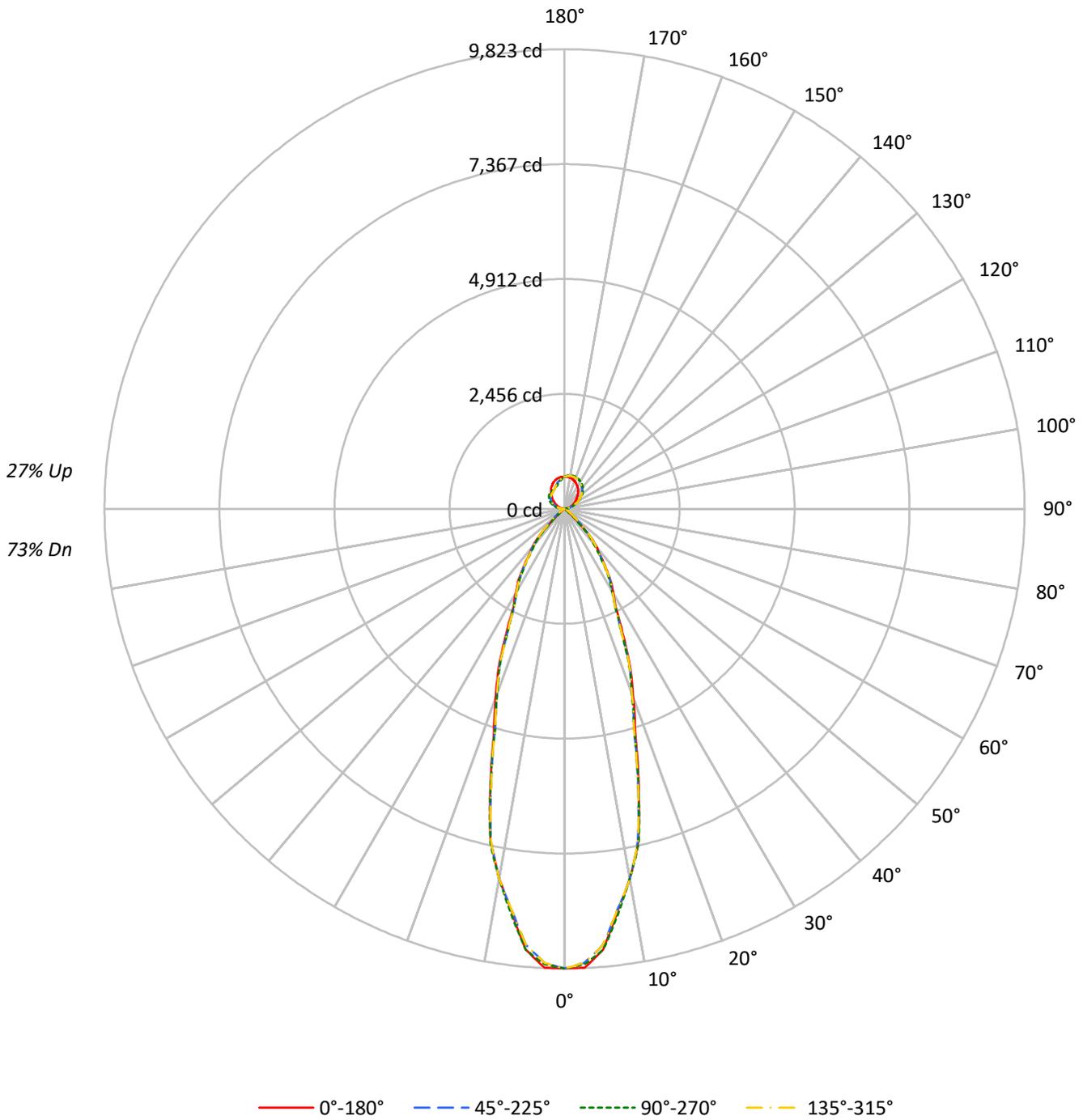
Lumens per Lamp: N/A
Luminaire Lumens: 7322.8 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 64.7
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

TEST NUMBER: P1427602

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427602

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-L940-UNV-STD-W-WM-4

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	113	113	113	113	107	107	107	107	96	96	96	86	86	86	77	77	77	73
1	106	103	101	98	101	98	96	94	89	88	86	81	80	79	73	73	72	68
2	100	95	91	87	96	91	87	84	83	81	78	76	74	72	70	68	67	64
3	95	88	83	78	90	84	80	76	78	74	71	72	69	67	66	64	63	60
4	89	81	76	71	85	79	73	69	73	69	66	68	65	62	63	60	59	56
5	84	76	70	65	81	73	68	64	68	64	61	64	60	58	60	57	55	53
6	80	71	65	60	77	69	63	59	64	60	56	60	57	54	57	54	52	50
7	76	66	60	56	73	64	59	55	61	56	53	57	53	51	54	51	49	47
8	72	62	56	52	69	61	55	51	57	53	49	54	50	48	51	48	46	44
9	68	59	53	49	66	57	52	48	54	50	47	51	48	45	49	46	43	42
10	65	56	50	46	63	54	49	45	52	47	44	49	45	43	47	43	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	158591	158591	158591	158591
5°	153288	153374	153288	153374
10°	131552	131552	131552	131552
15°	102109	101874	102109	101874
20°	73694	72113	73694	72113
25°	52254	50266	52254	50266
30°	38877	37523	38877	37523
35°	30249	28854	30249	28854
40°	22385	20444	22385	20444
45°	11439	9216	11439	9216
50°	2489	1824	2489	1824
55°	698	549	698	549
60°	113	58	113	58
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 13953 cd/sqm



TEST NUMBER: P1427602

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-L940-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	849.4	11.6
10°-20°	1674.6	22.9
20°-30°	1350.9	18.4
30°-40°	938.4	12.8
40°-50°	433.5	5.9
50°-60°	60.7	0.8
60°-70°	2.1	0.0
70°-80°	0.0	0.0
80°-90°	3.7	0.0
90°-100°	54.8	0.7
100°-110°	159.8	2.2
110°-120°	260.8	3.6
120°-130°	330.9	4.5
130°-140°	354.1	4.8
140°-150°	330.7	4.5
150°-160°	272.1	3.7
160°-170°	182.5	2.5
170°-180°	64.8	0.9
0°-30°	3874.9	52.9
0°-40°	4813.3	65.7
0°-60°	5307.5	72.5
0°-90°	5313.2	72.6
90°-120°	475.4	6.5
90°-150°	1491.1	20.4
90°-180°	2010.0	27.4
0°-180°	7322.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9823	9823	9823	9823	9823	
5°	9458	9463	9458	9463	9458	850
15°	6109	6095	6109	6095	6109	1682
25°	2933	2822	2933	2822	2933	1373
35°	1535	1464	1535	1464	1535	960
45°	501	404	501	404	501	405
55°	25	20	25	20	25	31
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
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	



TEST NUMBER: P1427602

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6
2.5°	9817.0	9800.6	9784.2	9751.8	9714.1	9712.5	9747.1	9770.4	9759.7	9749.0	9759.7
5°	9458.0	9435.2	9412.3	9384.8	9355.7	9366.7	9417.8	9457.0	9460.1	9463.3	9460.1
7.5°	8665.6	8673.0	8680.4	8661.5	8633.8	8648.3	8704.9	8745.9	8739.8	8733.6	8739.8
10°	8024.1	8029.6	8035.2	8034.2	8031.0	8038.9	8057.8	8066.6	8045.4	8024.1	8045.4
12.5°	7280.7	7302.5	7324.4	7299.2	7258.3	7252.0	7280.3	7303.8	7312.8	7321.7	7312.8
15°	6108.8	6144.2	6179.6	6129.5	6050.8	6030.4	6068.1	6096.2	6095.5	6094.7	6095.5
17.5°	5009.9	5006.3	5002.7	4971.7	4931.6	4915.0	4922.1	4926.8	4924.5	4922.1	4924.5
20°	4289.1	4283.6	4278.1	4251.3	4217.5	4197.8	4192.3	4189.2	4193.1	4197.1	4193.1
22.5°	3671.7	3662.4	3653.1	3641.9	3630.1	3617.4	3603.7	3594.7	3599.9	3605.1	3599.9
25°	2933.2	2903.3	2873.4	2849.4	2827.3	2825.8	2844.6	2854.7	2838.2	2821.6	2838.2
27.5°	2354.3	2353.8	2353.4	2339.2	2320.5	2312.1	2314.2	2316.5	2319.7	2322.8	2319.7
30°	2085.3	2079.7	2074.2	2059.3	2041.2	2032.5	2033.3	2031.6	2022.1	2012.7	2022.1
32.5°	1845.9	1849.9	1853.8	1837.9	1815.4	1802.0	1797.8	1792.2	1782.8	1773.3	1782.8
35°	1534.7	1534.7	1534.7	1521.7	1504.4	1489.9	1478.1	1468.6	1466.3	1463.9	1466.3
37.5°	1246.2	1244.8	1243.4	1233.8	1221.5	1207.1	1190.4	1176.3	1170.2	1164.1	1170.2
40°	1062.1	1058.2	1054.2	1047.3	1039.5	1025.3	1004.9	987.4	978.7	970.0	978.7
42.5°	852.5	863.1	873.6	870.3	862.5	848.3	827.8	809.2	796.2	783.1	796.2
45°	501.0	545.0	589.1	604.8	611.1	602.4	578.8	543.6	473.6	403.6	473.6
47.5°	215.3	263.7	312.2	352.9	390.9	378.9	316.7	255.6	197.4	139.1	197.4
50°	99.1	136.9	174.7	225.4	280.5	269.1	191.2	126.1	99.3	72.6	99.3
52.5°	58.1	76.9	95.8	143.3	200.2	195.1	127.9	74.0	59.8	45.7	59.8
55°	24.8	31.1	37.4	63.1	95.4	93.8	58.4	30.5	25.0	19.5	25.0
57.5°	9.2	12.7	16.1	25.4	36.5	35.8	23.2	13.1	10.3	7.4	10.3
60°	3.5	5.1	6.7	11.2	16.7	16.3	10.0	4.9	3.3	1.8	3.3
62.5°	0.7	1.7	2.6	5.1	8.1	8.0	4.8	2.2	1.3	0.4	1.3
65°	0.0	0.0	0.0	0.6	1.4	1.4	0.6	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	1.0	1.7	2.2	2.6	2.8	2.8	2.9	3.1	3.1	3.1
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



TEST NUMBER: P1427602

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-L940-UNV-STD-W-WM-4

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



TEST NUMBER: P1427602

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6
2.5°	9770.4	9747.1	9712.5	9714.1	9751.8	9784.2	9800.6	9817.0	9800.6	9784.2	9751.8
5°	9457.0	9417.8	9366.7	9355.7	9384.8	9412.3	9435.2	9458.0	9435.2	9412.3	9384.8
7.5°	8745.9	8704.9	8648.3	8633.8	8661.5	8680.4	8673.0	8665.6	8673.0	8680.4	8661.5
10°	8066.6	8057.8	8038.9	8031.0	8034.2	8035.2	8029.6	8024.1	8029.6	8035.2	8034.2
12.5°	7303.8	7280.3	7252.0	7258.3	7299.2	7324.4	7302.5	7280.7	7302.5	7324.4	7299.2
15°	6096.2	6068.1	6030.4	6050.8	6129.5	6179.6	6144.2	6108.8	6144.2	6179.6	6129.5
17.5°	4926.8	4922.1	4915.0	4931.6	4971.7	5002.7	5006.3	5009.9	5006.3	5002.7	4971.7
20°	4189.2	4192.3	4197.8	4217.5	4251.3	4278.1	4283.6	4289.1	4283.6	4278.1	4251.3
22.5°	3594.7	3603.7	3617.4	3630.1	3641.9	3653.1	3662.4	3671.7	3662.4	3653.1	3641.9
25°	2854.7	2844.6	2825.8	2827.3	2849.4	2873.4	2903.3	2933.2	2903.3	2873.4	2849.4
27.5°	2316.5	2314.2	2312.1	2320.5	2339.2	2353.4	2353.8	2354.3	2353.8	2353.4	2339.2
30°	2031.6	2033.3	2032.5	2041.2	2059.3	2074.2	2079.7	2085.3	2079.7	2074.2	2059.3
32.5°	1792.2	1797.8	1802.0	1815.4	1837.9	1853.8	1849.9	1845.9	1849.9	1853.8	1837.9
35°	1468.6	1478.1	1489.9	1504.4	1521.7	1534.7	1534.7	1534.7	1534.7	1534.7	1521.7
37.5°	1176.3	1190.4	1207.1	1221.5	1233.8	1243.4	1244.8	1246.2	1244.8	1243.4	1233.8
40°	987.4	1004.9	1025.3	1039.5	1047.3	1054.2	1058.2	1062.1	1058.2	1054.2	1047.3
42.5°	809.2	827.8	848.3	862.5	870.3	873.6	863.1	852.5	863.1	873.6	870.3
45°	543.6	578.8	602.4	611.1	604.8	589.1	545.0	501.0	545.0	589.1	604.8
47.5°	255.6	316.7	378.9	390.9	352.9	312.2	263.7	215.3	263.7	312.2	352.9
50°	126.1	191.2	269.1	280.5	225.4	174.7	136.9	99.1	136.9	174.7	225.4
52.5°	74.0	127.9	195.1	200.2	143.3	95.8	76.9	58.1	76.9	95.8	143.3
55°	30.5	58.4	93.8	95.4	63.1	37.4	31.1	24.8	31.1	37.4	63.1
57.5°	13.1	23.2	35.8	36.5	25.4	16.1	12.7	9.2	12.7	16.1	25.4
60°	4.9	10.0	16.3	16.7	11.2	6.7	5.1	3.5	5.1	6.7	11.2
62.5°	2.2	4.8	8.0	8.1	5.1	2.6	1.7	0.7	1.7	2.6	5.1
65°	0.0	0.6	1.4	1.4	0.6	0.0	0.0	0.0	0.0	0.0	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	2.8	2.8	2.6	2.2	1.7	1.0	0.4	1.0	1.5	2.5
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: P1427602

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-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: P1427602

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6
2.5°	9714.1	9712.5	9747.1	9770.4	9759.7	9749.0	9759.7	9770.4	9747.1	9712.5	9714.1
5°	9355.7	9366.7	9417.8	9457.0	9460.1	9463.3	9460.1	9457.0	9417.8	9366.7	9355.7
7.5°	8633.8	8648.3	8704.9	8745.9	8739.8	8733.6	8739.8	8745.9	8704.9	8648.3	8633.8
10°	8031.0	8038.9	8057.8	8066.6	8045.4	8024.1	8045.4	8066.6	8057.8	8038.9	8031.0
12.5°	7258.3	7252.0	7280.3	7303.8	7312.8	7321.7	7312.8	7303.8	7280.3	7252.0	7258.3
15°	6050.8	6030.4	6068.1	6096.2	6095.5	6094.7	6095.5	6096.2	6068.1	6030.4	6050.8
17.5°	4931.6	4915.0	4922.1	4926.8	4924.5	4922.1	4924.5	4926.8	4922.1	4915.0	4931.6
20°	4217.5	4197.8	4192.3	4189.2	4193.1	4197.1	4193.1	4189.2	4192.3	4197.8	4217.5
22.5°	3630.1	3617.4	3603.7	3594.7	3599.9	3605.1	3599.9	3594.7	3603.7	3617.4	3630.1
25°	2827.3	2825.8	2844.6	2854.7	2838.2	2821.6	2838.2	2854.7	2844.6	2825.8	2827.3
27.5°	2320.5	2312.1	2314.2	2316.5	2319.7	2322.8	2319.7	2316.5	2314.2	2312.1	2320.5
30°	2041.2	2032.5	2033.3	2031.6	2022.1	2012.7	2022.1	2031.6	2033.3	2032.5	2041.2
32.5°	1815.4	1802.0	1797.8	1792.2	1782.8	1773.3	1782.8	1792.2	1797.8	1802.0	1815.4
35°	1504.4	1489.9	1478.1	1468.6	1466.3	1463.9	1466.3	1468.6	1478.1	1489.9	1504.4
37.5°	1221.5	1207.1	1190.4	1176.3	1170.2	1164.1	1170.2	1176.3	1190.4	1207.1	1221.5
40°	1039.5	1025.3	1004.9	987.4	978.7	970.0	978.7	987.4	1004.9	1025.3	1039.5
42.5°	862.5	848.3	827.8	809.2	796.2	783.1	796.2	809.2	827.8	848.3	862.5
45°	611.1	602.4	578.8	543.6	473.6	403.6	473.6	543.6	578.8	602.4	611.1
47.5°	390.9	378.9	316.7	255.6	197.4	139.1	197.4	255.6	316.7	378.9	390.9
50°	280.5	269.1	191.2	126.1	99.3	72.6	99.3	126.1	191.2	269.1	280.5
52.5°	200.2	195.1	127.9	74.0	59.8	45.7	59.8	74.0	127.9	195.1	200.2
55°	95.4	93.8	58.4	30.5	25.0	19.5	25.0	30.5	58.4	93.8	95.4
57.5°	36.5	35.8	23.2	13.1	10.3	7.4	10.3	13.1	23.2	35.8	36.5
60°	16.7	16.3	10.0	4.9	3.3	1.8	3.3	4.9	10.0	16.3	16.7
62.5°	8.1	8.0	4.8	2.2	1.3	0.4	1.3	2.2	4.8	8.0	8.1
65°	1.4	1.4	0.6	0.0	0.0	0.0	0.0	0.6	1.4	1.4	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	4.2	5.1	5.7	6.3	6.0	6.3	5.7	5.1	4.2	3.2
90°	16.0	20.9	25.7	28.5	31.3	29.9	31.3	28.5	20.9	16.0	16.0
92.5°	32.1	40.3	46.3	51.3	53.6	53.3	53.6	51.3	40.3	32.1	32.1
95°	64.7	74.4	84.2	91.1	95.3	93.9	95.3	91.1	74.4	64.7	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	243.4	228.8	228.8



TEST NUMBER: P1427602

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-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: P1427602

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	9822.6	9822.6	9822.6	9822.6
2.5°	9751.8	9784.2	9800.6	9817.0
5°	9384.8	9412.3	9435.2	9458.0
7.5°	8661.5	8680.4	8673.0	8665.6
10°	8034.2	8035.2	8029.6	8024.1
12.5°	7299.2	7324.4	7302.5	7280.7
15°	6129.5	6179.6	6144.2	6108.8
17.5°	4971.7	5002.7	5006.3	5009.9
20°	4251.3	4278.1	4283.6	4289.1
22.5°	3641.9	3653.1	3662.4	3671.7
25°	2849.4	2873.4	2903.3	2933.2
27.5°	2339.2	2353.4	2353.8	2354.3
30°	2059.3	2074.2	2079.7	2085.3
32.5°	1837.9	1853.8	1849.9	1845.9
35°	1521.7	1534.7	1534.7	1534.7
37.5°	1233.8	1243.4	1244.8	1246.2
40°	1047.3	1054.2	1058.2	1062.1
42.5°	870.3	873.6	863.1	852.5
45°	604.8	589.1	545.0	501.0
47.5°	352.9	312.2	263.7	215.3
50°	225.4	174.7	136.9	99.1
52.5°	143.3	95.8	76.9	58.1
55°	63.1	37.4	31.1	24.8
57.5°	25.4	16.1	12.7	9.2
60°	11.2	6.7	5.1	3.5
62.5°	5.1	2.6	1.7	0.7
65°	0.6	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	2.5	1.5	1.0	0.4
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: P1427602

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-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: P1427602

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00