

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: P1427516

Luminaire Tested: SQ2W-BBM-K-050U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427516
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBM-K-050U-125D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

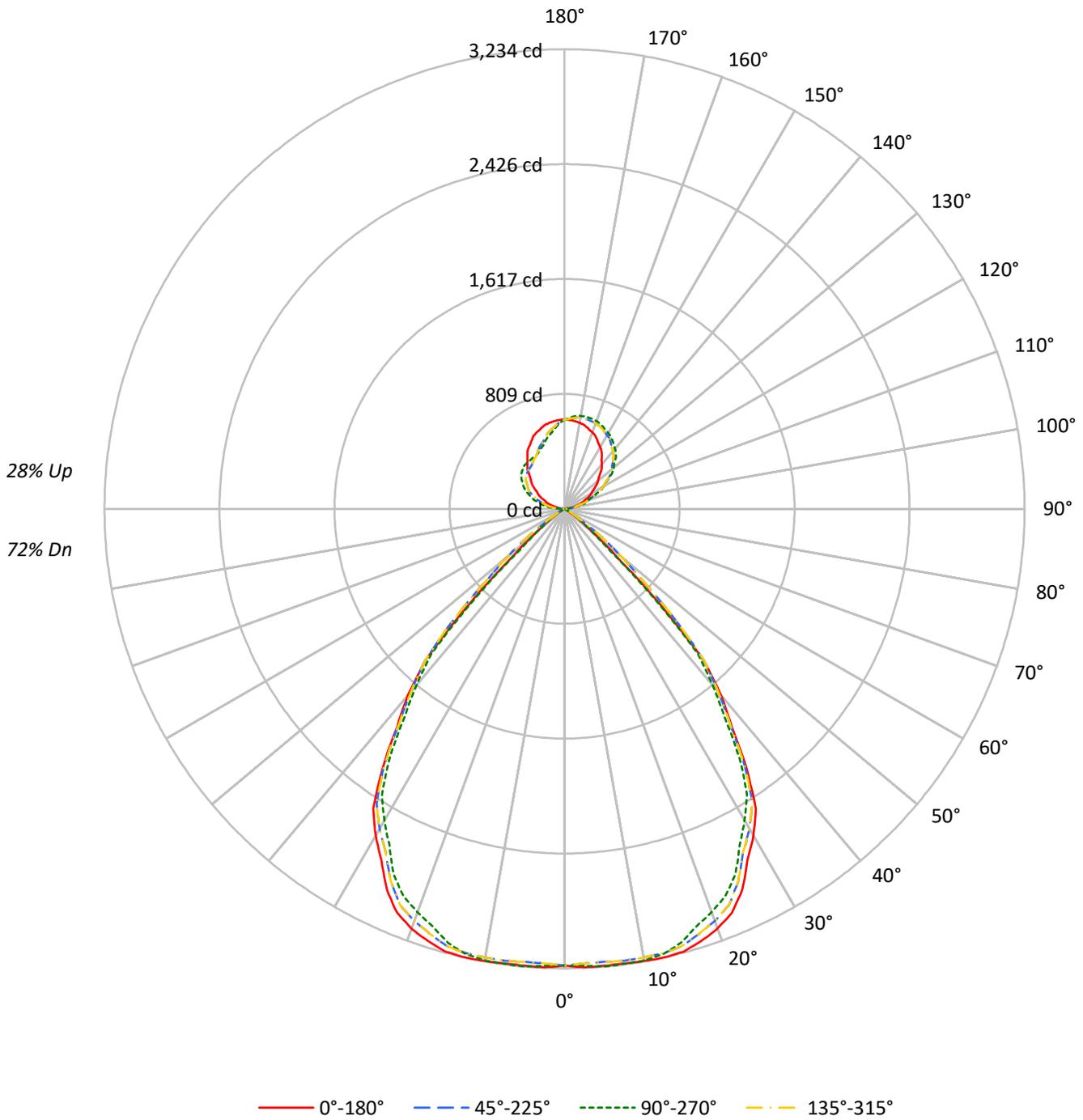
Lumens per Lamp: N/A
Luminaire Lumens: 6636.3 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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

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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	113	113	113	113	107	107	107	107	96	96	96	86	86	86	77	77	77	72	72	72	72	
1	106	102	99	97	100	97	95	93	88	86	85	80	79	77	72	71	70	67	67	67	67	
2	99	93	88	84	94	89	85	81	81	78	75	74	72	69	67	66	64	61	61	61	61	
3	92	85	79	74	88	81	76	72	74	70	67	68	65	63	63	60	58	55	55	55	55	
4	86	77	71	66	82	74	68	64	68	64	60	63	59	56	58	55	53	50	50	50	50	
5	80	71	64	59	77	68	62	57	63	58	54	58	54	51	54	51	48	46	46	46	46	
6	75	65	58	53	72	62	56	52	58	53	49	54	50	47	50	47	44	42	42	42	42	
7	70	60	53	48	67	58	51	47	54	48	45	50	46	43	47	43	40	38	38	38	38	
8	66	55	48	43	63	53	47	43	50	45	41	47	42	39	44	40	37	35	35	35	35	
9	62	51	44	40	59	49	43	39	46	41	37	43	39	36	41	37	34	33	33	33	33	
10	58	47	41	36	56	46	40	36	43	38	34	41	36	33	38	34	32	30	30	30	30	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	51908	51908	51908	51908
5°	52315	52393	52315	52393
10°	52973	52894	52973	52894
15°	53928	52853	53928	52853
20°	53997	51896	53997	51896
25°	52662	50599	52662	50599
30°	49503	47195	49503	47195
35°	43936	42288	43936	42288
40°	36032	34102	36032	34102
45°	21484	20162	21484	20162
50°	6707	6342	6707	6342
55°	2536	2536	2536	2536
60°	155	52	155	52
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: 25151 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.4	4.6
10°-20°	900.5	13.6
20°-30°	1324.8	20.0
30°-40°	1354.0	20.4
40°-50°	780.0	11.8
50°-60°	134.2	2.0
60°-70°	4.8	0.1
70°-80°	0.0	0.0
80°-90°	3.3	0.1
90°-100°	49.8	0.8
100°-110°	145.3	2.2
110°-120°	237.1	3.6
120°-130°	300.9	4.5
130°-140°	322.0	4.9
140°-150°	300.7	4.5
150°-160°	247.4	3.7
160°-170°	165.9	2.5
170°-180°	58.9	0.9
0°-30°	2532.6	38.2
0°-40°	3886.6	58.6
0°-60°	4800.9	72.3
0°-90°	4809.0	72.5
90°-120°	432.3	6.5
90°-150°	1355.8	20.4
90°-180°	1828.0	27.5
0°-180°	6636.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3215	3215	3215	3215	3215	
5°	3228	3233	3228	3233	3228	308
15°	3226	3162	3226	3162	3226	908
25°	2956	2840	2956	2840	2956	1349
35°	2229	2146	2229	2146	2229	1377
45°	941	883	941	883	941	728
55°	90	90	90	90	90	95
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	2	14	2	27	2	2
95°	20	14	20	85	20	24
105°	92	148	92	204	92	98
115°	177	245	177	302	177	175
125°	262	389	262	371	262	234
135°	356	509	356	410	356	275
145°	455	587	455	419	455	285
155°	540	638	540	435	540	248
165°	597	665	597	501	597	168
175°	624	651	624	588	624	59
180°	626	626	626	626	626	

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CATALOG NUMBER: SQ2W-BBM-K-050U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0
2.5°	3229.2	3225.2	3221.2	3211.6	3200.2	3201.0	3214.2	3223.3	3220.5	3217.6	3220.5
5°	3227.9	3224.3	3220.8	3210.7	3198.6	3202.2	3221.5	3235.6	3234.2	3232.7	3234.2
7.5°	3226.0	3223.5	3221.1	3214.1	3205.5	3209.1	3225.0	3236.0	3232.4	3228.9	3232.4
10°	3231.1	3230.4	3229.7	3218.8	3204.5	3205.6	3222.0	3233.4	3229.9	3226.3	3229.9
12.5°	3233.7	3238.1	3242.6	3226.9	3204.6	3200.0	3213.0	3221.1	3214.7	3208.3	3214.7
15°	3226.3	3238.4	3250.6	3228.4	3194.8	3179.1	3181.3	3180.5	3171.3	3162.0	3171.3
17.5°	3190.3	3207.4	3224.6	3195.3	3150.6	3124.3	3116.4	3107.2	3094.1	3080.9	3094.1
20°	3142.7	3162.7	3182.7	3150.7	3101.4	3069.9	3056.3	3043.3	3031.9	3020.4	3031.9
22.5°	3075.8	3094.1	3112.4	3081.7	3034.6	3002.6	2985.6	2970.5	2961.4	2952.2	2961.4
25°	2956.1	2968.2	2980.4	2949.1	2903.4	2874.1	2861.2	2850.3	2845.3	2840.3	2845.3
27.5°	2786.6	2790.0	2793.4	2768.6	2734.3	2709.1	2693.1	2679.5	2673.0	2666.6	2673.0
30°	2655.3	2655.3	2655.3	2636.0	2610.3	2588.9	2571.7	2555.8	2543.7	2531.5	2543.7
32.5°	2502.2	2500.5	2498.8	2484.6	2466.3	2447.8	2428.9	2411.7	2399.5	2387.4	2399.5
35°	2229.1	2237.0	2244.9	2235.0	2219.3	2202.2	2183.6	2166.9	2156.2	2145.5	2156.2
37.5°	1933.5	1936.5	1939.5	1931.4	1919.5	1903.6	1883.6	1866.3	1857.3	1848.3	1857.3
40°	1709.6	1710.4	1711.1	1701.1	1687.5	1673.5	1659.3	1645.1	1631.6	1618.0	1631.6
42.5°	1448.5	1462.9	1477.3	1471.2	1458.2	1440.2	1417.4	1398.8	1393.2	1387.7	1393.2
45°	940.9	1004.5	1068.1	1091.5	1101.5	1093.7	1067.9	1030.2	956.6	883.0	956.6
47.5°	472.8	552.0	631.2	686.1	732.9	719.6	646.2	571.7	493.8	415.9	493.8
50°	267.0	314.2	361.3	434.8	517.0	503.4	394.0	305.4	279.0	252.5	279.0
52.5°	178.2	199.1	219.9	279.1	351.0	346.3	264.9	200.2	185.2	170.2	185.2
55°	90.1	95.8	101.5	127.6	160.5	159.8	125.4	98.6	94.4	90.1	94.4
57.5°	30.6	38.3	46.0	57.6	70.4	70.8	58.7	47.8	40.8	33.8	40.8
60°	4.8	12.0	19.1	28.4	38.4	37.3	25.2	14.5	8.0	1.6	8.0
62.5°	1.0	3.0	5.0	12.5	22.0	21.8	11.9	4.0	2.2	0.3	2.2
65°	0.0	0.0	0.0	0.5	1.3	1.3	0.5	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	0.9	1.5	2.0	2.4	2.5	2.5	2.7	2.8	2.8	2.8
90°	1.9	4.4	7.6	10.1	12.0	12.6	12.6	13.3	13.9	13.9	13.9
92.5°	7.0	11.0	11.1	11.1	13.5	14.7	15.7	15.8	16.4	16.4	16.4
95°	19.6	21.5	32.3	31.6	21.5	17.1	14.5	14.5	14.5	14.5	14.5
97.5°	37.4	40.2	42.0	56.3	59.4	57.4	46.8	39.3	35.2	33.3	35.2
100°	53.1	54.4	58.2	58.8	74.6	89.8	82.2	72.7	69.6	67.7	69.6
102.5°	68.8	69.6	75.4	78.0	81.7	90.3	116.6	113.7	111.6	111.2	111.6
105°	92.3	93.0	103.7	108.8	111.3	111.3	110.7	123.3	143.6	148.0	143.6
107.5°	117.5	120.4	133.1	146.6	149.5	150.3	147.0	145.1	144.3	144.8	144.3
110°	134.7	139.1	154.3	171.4	175.8	177.1	175.8	173.9	172.6	172.6	172.6



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CATALOG NUMBER: SQ2W-BBM-K-050U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	151.4	157.8	175.0	194.7	202.1	205.9	203.1	201.7	200.5	201.5	200.5
115°	177.1	186.6	209.3	229.6	244.7	246.6	246.0	246.0	245.4	245.4	245.4
117.5°	200.9	216.0	241.6	265.1	282.7	287.7	290.3	289.5	288.8	290.0	288.8
120°	217.5	235.3	264.3	290.9	308.0	315.6	318.1	316.8	318.1	316.8	318.1
122.5°	235.3	257.0	285.6	313.2	333.3	341.9	344.9	345.2	345.4	344.7	345.4
125°	261.8	288.4	321.9	350.4	371.2	381.3	383.9	384.5	385.8	388.9	385.8
127.5°	288.6	318.7	355.5	383.0	404.4	416.6	420.5	421.9	424.6	426.0	424.6
130°	307.3	341.5	378.8	404.7	425.6	438.9	445.8	447.7	450.9	450.3	450.9
132.5°	327.1	362.7	400.6	427.5	446.9	461.2	467.1	472.5	473.7	474.6	473.7
135°	356.0	394.6	432.6	459.1	477.5	491.4	499.0	504.0	507.2	509.1	507.2
137.5°	386.5	427.3	463.7	487.3	505.8	517.8	526.4	531.7	535.0	536.5	535.0
140°	407.3	446.5	481.9	506.6	523.0	535.0	542.6	548.9	552.7	552.7	552.7
142.5°	427.0	465.7	500.1	524.8	539.2	550.2	558.3	563.1	567.4	567.4	567.4
145°	454.7	493.3	524.9	549.6	561.6	571.7	580.5	584.3	586.9	586.9	586.9
147.5°	483.7	517.8	546.7	570.3	580.4	592.3	599.3	602.3	605.5	604.1	605.5
150°	500.9	532.5	560.3	582.4	592.6	603.9	610.9	613.4	616.6	614.7	616.6
152.5°	517.6	547.7	573.0	593.6	602.2	613.6	621.5	624.1	626.2	624.8	626.2
155°	540.1	566.6	590.0	609.0	616.6	627.3	634.9	638.1	640.6	637.5	640.6
157.5°	560.2	583.1	603.4	620.9	629.0	638.2	645.3	649.2	651.8	650.4	651.8
160°	572.3	593.2	611.5	628.0	635.6	643.8	651.4	655.8	658.3	656.4	658.3
162.5°	582.4	601.3	618.6	633.5	640.1	647.3	656.4	660.4	662.9	660.5	662.9
165°	597.0	612.2	627.3	640.0	645.7	651.4	660.9	665.3	667.2	664.7	667.2
167.5°	608.0	619.6	631.9	642.8	647.0	652.5	662.0	665.7	668.1	664.9	668.1
170°	614.1	624.2	634.9	643.8	647.0	652.0	661.5	664.7	666.6	663.4	666.6
172.5°	619.1	626.7	635.4	643.3	644.9	649.0	658.0	661.1	662.5	659.9	662.5
175°	624.2	628.6	634.9	640.0	639.4	641.9	649.5	652.0	654.5	650.7	654.5
177.5°	626.6	628.6	630.6	633.7	631.6	631.6	637.2	638.7	639.2	637.2	639.2
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0
2.5°	3223.3	3214.2	3201.0	3200.2	3211.6	3221.2	3225.2	3229.2	3225.2	3221.2	3211.6
5°	3235.6	3221.5	3202.2	3198.6	3210.7	3220.8	3224.3	3227.9	3224.3	3220.8	3210.7
7.5°	3236.0	3225.0	3209.1	3205.5	3214.1	3221.1	3223.5	3226.0	3223.5	3221.1	3214.1
10°	3233.4	3222.0	3205.6	3204.5	3218.8	3229.7	3230.4	3231.1	3230.4	3229.7	3218.8
12.5°	3221.1	3213.0	3200.0	3204.6	3226.9	3242.6	3238.1	3233.7	3238.1	3242.6	3226.9
15°	3180.5	3181.3	3179.1	3194.8	3228.4	3250.6	3238.4	3226.3	3238.4	3250.6	3228.4
17.5°	3107.2	3116.4	3124.3	3150.6	3195.3	3224.6	3207.4	3190.3	3207.4	3224.6	3195.3
20°	3043.3	3056.3	3069.9	3101.4	3150.7	3182.7	3162.7	3142.7	3162.7	3182.7	3150.7
22.5°	2970.5	2985.6	3002.6	3034.6	3081.7	3112.4	3094.1	3075.8	3094.1	3112.4	3081.7
25°	2850.3	2861.2	2874.1	2903.4	2949.1	2980.4	2968.2	2956.1	2968.2	2980.4	2949.1
27.5°	2679.5	2693.1	2709.1	2734.3	2768.6	2793.4	2790.0	2786.6	2790.0	2793.4	2768.6
30°	2555.8	2571.7	2588.9	2610.3	2636.0	2655.3	2655.3	2655.3	2655.3	2655.3	2636.0
32.5°	2411.7	2428.9	2447.8	2466.3	2484.6	2498.8	2500.5	2502.2	2500.5	2498.8	2484.6
35°	2166.9	2183.6	2202.2	2219.3	2235.0	2244.9	2237.0	2229.1	2237.0	2244.9	2235.0
37.5°	1866.3	1883.6	1903.6	1919.5	1931.4	1939.5	1936.5	1933.5	1936.5	1939.5	1931.4
40°	1645.1	1659.3	1673.5	1687.5	1701.1	1711.1	1710.4	1709.6	1710.4	1711.1	1701.1
42.5°	1398.8	1417.4	1440.2	1458.2	1471.2	1477.3	1462.9	1448.5	1462.9	1477.3	1471.2
45°	1030.2	1067.9	1093.7	1101.5	1091.5	1068.1	1004.5	940.9	1004.5	1068.1	1091.5
47.5°	571.7	646.2	719.6	732.9	686.1	631.2	552.0	472.8	552.0	631.2	686.1
50°	305.4	394.0	503.4	517.0	434.8	361.3	314.2	267.0	314.2	361.3	434.8
52.5°	200.2	264.9	346.3	351.0	279.1	219.9	199.1	178.2	199.1	219.9	279.1
55°	98.6	125.4	159.8	160.5	127.6	101.5	95.8	90.1	95.8	101.5	127.6
57.5°	47.8	58.7	70.8	70.4	57.6	46.0	38.3	30.6	38.3	46.0	57.6
60°	14.5	25.2	37.3	38.4	28.4	19.1	12.0	4.8	12.0	19.1	28.4
62.5°	4.0	11.9	21.8	22.0	12.5	5.0	3.0	1.0	3.0	5.0	12.5
65°	0.0	0.5	1.3	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.5
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°	2.7	2.5	2.5	2.4	2.0	1.5	0.9	0.4	0.9	1.4	2.3
90°	13.3	12.6	12.6	12.0	10.1	7.6	4.4	1.9	4.4	7.0	11.4
92.5°	15.8	15.7	14.7	13.5	11.1	11.1	11.0	7.0	12.0	17.1	24.5
95°	14.5	14.5	17.1	21.5	31.6	32.3	21.5	19.6	27.8	39.2	49.3
97.5°	39.3	46.8	57.4	59.4	56.3	42.0	40.2	37.4	51.0	62.2	78.5
100°	72.7	82.2	89.8	74.6	58.8	58.2	54.4	53.1	67.7	78.4	94.2
102.5°	113.7	116.6	90.3	81.7	78.0	75.4	69.6	68.8	83.4	98.1	111.4
105°	123.3	110.7	111.3	111.3	108.8	103.7	93.0	92.3	108.8	125.8	142.3
107.5°	145.1	147.0	150.3	149.5	146.6	133.1	120.4	117.5	132.3	152.8	170.9
110°	173.9	175.8	177.1	175.8	171.4	154.3	139.1	134.7	148.0	169.5	189.1



TEST NUMBER: P1427516

CATALOG NUMBER: SQ2W-BBM-K-050U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	201.7	203.1	205.9	202.1	194.7	175.0	157.8	151.4	164.7	186.7	206.8
115°	246.0	246.0	246.6	244.7	229.6	209.3	186.6	177.1	188.5	208.7	230.8
117.5°	289.5	290.3	287.7	282.7	265.1	241.6	216.0	200.9	209.8	231.2	254.0
120°	316.8	318.1	315.6	308.0	290.9	264.3	235.3	217.5	224.5	245.4	268.1
122.5°	345.2	344.9	341.9	333.3	313.2	285.6	257.0	235.3	238.2	257.5	279.8
125°	384.5	383.9	381.3	371.2	350.4	321.9	288.4	261.8	258.0	274.5	297.2
127.5°	421.9	420.5	416.6	404.4	383.0	355.5	318.7	288.6	280.2	290.5	311.4
130°	447.7	445.8	438.9	425.6	404.7	378.8	341.5	307.3	295.3	301.7	320.0
132.5°	472.5	467.1	461.2	446.9	427.5	400.6	362.7	327.1	310.5	313.3	327.6
135°	504.0	499.0	491.4	477.5	459.1	432.6	394.6	356.0	333.3	330.7	339.0
137.5°	531.7	526.4	517.8	505.8	487.3	463.7	427.3	386.5	357.8	349.3	352.5
140°	548.9	542.6	535.0	523.0	506.6	481.9	446.5	407.3	375.0	363.0	361.1
142.5°	563.1	558.3	550.2	539.2	524.8	500.1	465.7	427.0	392.7	377.2	372.7
145°	584.3	580.5	571.7	561.6	549.6	524.9	493.3	454.7	420.5	400.3	390.8
147.5°	602.3	599.3	592.3	580.4	570.3	546.7	517.8	483.7	448.6	423.6	411.3
150°	613.4	610.9	603.9	592.6	582.4	560.3	532.5	500.9	467.3	440.8	425.0
152.5°	624.1	621.5	613.6	602.2	593.6	573.0	547.7	517.6	483.5	457.0	440.7
155°	638.1	634.9	627.3	616.6	609.0	590.0	566.6	540.1	511.0	483.2	464.8
157.5°	649.2	645.3	638.2	629.0	620.9	603.4	583.1	560.2	534.8	508.2	489.5
160°	655.8	651.4	643.8	635.6	628.0	611.5	593.2	572.3	548.9	524.9	504.7
162.5°	660.4	656.4	647.3	640.1	633.5	618.6	601.3	582.4	561.6	540.6	521.9
165°	665.3	660.9	651.4	645.7	640.0	627.3	612.2	597.0	579.3	562.2	547.0
167.5°	665.7	662.0	652.5	647.0	642.8	631.9	619.6	608.0	594.2	580.8	568.2
170°	664.7	661.5	652.0	647.0	643.8	634.9	624.2	614.1	603.3	591.9	581.8
172.5°	661.1	658.0	649.0	644.9	643.3	635.4	626.7	619.1	609.9	601.5	593.4
175°	652.0	649.5	641.9	639.4	640.0	634.9	628.6	624.2	618.5	613.4	609.0
177.5°	638.7	637.2	631.6	631.6	633.7	630.6	628.6	626.6	624.1	622.5	621.0
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1427516

CATALOG NUMBER: SQ2W-BBM-K-050U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0
2.5°	3200.2	3201.0	3214.2	3223.3	3220.5	3217.6	3220.5	3223.3	3214.2	3201.0	3200.2
5°	3198.6	3202.2	3221.5	3235.6	3234.2	3232.7	3234.2	3235.6	3221.5	3202.2	3198.6
7.5°	3205.5	3209.1	3225.0	3236.0	3232.4	3228.9	3232.4	3236.0	3225.0	3209.1	3205.5
10°	3204.5	3205.6	3222.0	3233.4	3229.9	3226.3	3229.9	3233.4	3222.0	3205.6	3204.5
12.5°	3204.6	3200.0	3213.0	3221.1	3214.7	3208.3	3214.7	3221.1	3213.0	3200.0	3204.6
15°	3194.8	3179.1	3181.3	3180.5	3171.3	3162.0	3171.3	3180.5	3181.3	3179.1	3194.8
17.5°	3150.6	3124.3	3116.4	3107.2	3094.1	3080.9	3094.1	3107.2	3116.4	3124.3	3150.6
20°	3101.4	3069.9	3056.3	3043.3	3031.9	3020.4	3031.9	3043.3	3056.3	3069.9	3101.4
22.5°	3034.6	3002.6	2985.6	2970.5	2961.4	2952.2	2961.4	2970.5	2985.6	3002.6	3034.6
25°	2903.4	2874.1	2861.2	2850.3	2845.3	2840.3	2845.3	2850.3	2861.2	2874.1	2903.4
27.5°	2734.3	2709.1	2693.1	2679.5	2673.0	2666.6	2673.0	2679.5	2693.1	2709.1	2734.3
30°	2610.3	2588.9	2571.7	2555.8	2543.7	2531.5	2543.7	2555.8	2571.7	2588.9	2610.3
32.5°	2466.3	2447.8	2428.9	2411.7	2399.5	2387.4	2399.5	2411.7	2428.9	2447.8	2466.3
35°	2219.3	2202.2	2183.6	2166.9	2156.2	2145.5	2156.2	2166.9	2183.6	2202.2	2219.3
37.5°	1919.5	1903.6	1883.6	1866.3	1857.3	1848.3	1857.3	1866.3	1883.6	1903.6	1919.5
40°	1687.5	1673.5	1659.3	1645.1	1631.6	1618.0	1631.6	1645.1	1659.3	1673.5	1687.5
42.5°	1458.2	1440.2	1417.4	1398.8	1393.2	1387.7	1393.2	1398.8	1417.4	1440.2	1458.2
45°	1101.5	1093.7	1067.9	1030.2	956.6	883.0	956.6	1030.2	1067.9	1093.7	1101.5
47.5°	732.9	719.6	646.2	571.7	493.8	415.9	493.8	571.7	646.2	719.6	732.9
50°	517.0	503.4	394.0	305.4	279.0	252.5	279.0	305.4	394.0	503.4	517.0
52.5°	351.0	346.3	264.9	200.2	185.2	170.2	185.2	200.2	264.9	346.3	351.0
55°	160.5	159.8	125.4	98.6	94.4	90.1	94.4	98.6	125.4	159.8	160.5
57.5°	70.4	70.8	58.7	47.8	40.8	33.8	40.8	47.8	58.7	70.8	70.4
60°	38.4	37.3	25.2	14.5	8.0	1.6	8.0	14.5	25.2	37.3	38.4
62.5°	22.0	21.8	11.9	4.0	2.2	0.3	2.2	4.0	11.9	21.8	22.0
65°	1.3	1.3	0.5	0.0	0.0	0.0	0.0	0.5	1.3	1.3	1.3
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	3.8	4.7	5.2	5.7	5.4	5.7	5.2	4.7	3.8	2.9
90°	14.5	19.0	23.4	25.9	28.5	27.2	28.5	25.9	23.4	19.0	14.5
92.5°	29.2	36.7	42.1	46.7	48.7	48.4	48.7	46.7	42.1	36.7	29.2
95°	58.8	67.7	76.5	82.8	86.6	85.4	86.6	82.8	76.5	67.7	58.8
97.5°	90.7	102.6	112.4	118.4	122.2	124.7	122.2	118.4	112.4	102.6	90.7
100°	111.9	123.3	134.7	141.7	148.0	150.5	148.0	141.7	134.7	123.3	111.9
102.5°	129.1	144.1	156.5	163.9	169.2	171.8	169.2	163.9	156.5	144.1	129.1
105°	157.5	173.3	186.6	196.0	201.7	203.6	201.7	196.0	186.6	173.3	157.5
107.5°	185.8	202.1	214.4	224.9	231.8	235.9	231.8	224.9	214.4	202.1	185.8
110°	208.1	221.3	234.6	244.1	251.1	253.6	251.1	244.1	234.6	221.3	208.1



TEST NUMBER: P1427516

CATALOG NUMBER: SQ2W-BBM-K-050U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	226.8	241.6	254.9	264.3	272.3	275.9	272.3	264.3	254.9	241.6	226.8
115°	253.0	272.6	284.6	293.4	299.1	302.3	299.1	293.4	284.6	272.6	253.0
117.5°	274.7	295.2	308.4	315.2	317.8	320.1	317.8	315.2	308.4	295.2	274.7
120°	288.4	307.3	322.5	331.4	334.5	335.8	334.5	331.4	322.5	307.3	288.4
122.5°	301.0	319.0	333.7	344.5	349.7	351.0	349.7	344.5	333.7	319.0	301.0
125°	318.7	335.8	351.0	361.7	367.4	370.6	367.4	361.7	351.0	335.8	318.7
127.5°	334.2	352.6	366.5	376.3	381.8	384.4	381.8	376.3	366.5	352.6	334.2
130°	342.8	361.7	375.6	386.4	391.5	394.0	391.5	386.4	375.6	361.7	342.8
132.5°	349.3	369.3	383.7	393.5	399.0	401.6	399.0	393.5	383.7	369.3	349.3
135°	357.3	378.2	393.4	402.8	407.9	410.4	407.9	402.8	393.4	378.2	357.3
137.5°	364.3	383.2	399.0	409.0	413.6	415.2	413.6	409.0	399.0	383.2	364.3
140°	369.3	385.8	401.6	411.1	416.1	416.8	416.1	411.1	401.6	385.8	369.3
142.5°	375.9	388.8	402.6	412.1	417.1	418.3	417.1	412.1	402.6	388.8	375.9
145°	387.7	395.3	404.7	413.6	418.0	419.3	418.0	413.6	404.7	395.3	387.7
147.5°	402.5	404.9	409.8	415.6	419.9	420.8	419.9	415.6	409.8	404.9	402.5
150°	413.6	413.0	414.9	418.7	422.4	421.8	422.4	418.7	414.9	413.0	413.6
152.5°	426.2	422.6	422.4	424.2	426.0	425.9	426.0	424.2	422.4	422.6	426.2
155°	447.7	440.8	437.0	435.7	435.7	435.1	435.7	435.7	437.0	440.8	447.7
157.5°	471.4	461.7	456.0	452.9	452.0	450.7	452.0	452.9	456.0	461.7	471.4
160°	487.6	476.8	471.1	466.1	464.2	462.3	464.2	466.1	471.1	476.8	487.6
162.5°	502.8	492.5	486.3	481.8	479.9	477.0	479.9	481.8	486.3	492.5	502.8
165°	527.4	516.7	509.7	505.9	503.4	500.9	503.4	505.9	509.7	516.7	527.4
167.5°	552.1	540.3	535.8	531.5	529.1	524.5	529.1	531.5	535.8	540.3	552.1
170°	567.3	556.5	554.0	550.2	545.8	540.7	545.8	550.2	554.0	556.5	567.3
172.5°	580.4	573.2	570.7	566.9	565.5	561.4	565.5	566.9	570.7	573.2	580.4
175°	599.5	593.8	593.8	593.2	591.3	587.5	591.3	593.2	593.8	593.8	599.5
177.5°	615.5	612.4	614.4	614.4	613.9	610.4	613.9	614.4	614.4	612.4	615.5
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1427516

CATALOG NUMBER: SQ2W-BBM-K-050U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3215.0	3215.0	3215.0	3215.0
2.5°	3211.6	3221.2	3225.2	3229.2
5°	3210.7	3220.8	3224.3	3227.9
7.5°	3214.1	3221.1	3223.5	3226.0
10°	3218.8	3229.7	3230.4	3231.1
12.5°	3226.9	3242.6	3238.1	3233.7
15°	3228.4	3250.6	3238.4	3226.3
17.5°	3195.3	3224.6	3207.4	3190.3
20°	3150.7	3182.7	3162.7	3142.7
22.5°	3081.7	3112.4	3094.1	3075.8
25°	2949.1	2980.4	2968.2	2956.1
27.5°	2768.6	2793.4	2790.0	2786.6
30°	2636.0	2655.3	2655.3	2655.3
32.5°	2484.6	2498.8	2500.5	2502.2
35°	2235.0	2244.9	2237.0	2229.1
37.5°	1931.4	1939.5	1936.5	1933.5
40°	1701.1	1711.1	1710.4	1709.6
42.5°	1471.2	1477.3	1462.9	1448.5
45°	1091.5	1068.1	1004.5	940.9
47.5°	686.1	631.2	552.0	472.8
50°	434.8	361.3	314.2	267.0
52.5°	279.1	219.9	199.1	178.2
55°	127.6	101.5	95.8	90.1
57.5°	57.6	46.0	38.3	30.6
60°	28.4	19.1	12.0	4.8
62.5°	12.5	5.0	3.0	1.0
65°	0.5	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°	2.3	1.4	0.9	0.4
90°	11.4	7.0	4.4	1.9
92.5°	24.5	17.1	12.0	7.0
95°	49.3	39.2	27.8	19.6
97.5°	78.5	62.2	51.0	37.4
100°	94.2	78.4	67.7	53.1
102.5°	111.4	98.1	83.4	68.8
105°	142.3	125.8	108.8	92.3
107.5°	170.9	152.8	132.3	117.5
110°	189.1	169.5	148.0	134.7

TEST NUMBER: P1427516

CATALOG NUMBER: SQ2W-BBM-K-050U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	206.8	186.7	164.7	151.4
115°	230.8	208.7	188.5	177.1
117.5°	254.0	231.2	209.8	200.9
120°	268.1	245.4	224.5	217.5
122.5°	279.8	257.5	238.2	235.3
125°	297.2	274.5	258.0	261.8
127.5°	311.4	290.5	280.2	288.6
130°	320.0	301.7	295.3	307.3
132.5°	327.6	313.3	310.5	327.1
135°	339.0	330.7	333.3	356.0
137.5°	352.5	349.3	357.8	386.5
140°	361.1	363.0	375.0	407.3
142.5°	372.7	377.2	392.7	427.0
145°	390.8	400.3	420.5	454.7
147.5°	411.3	423.6	448.6	483.7
150°	425.0	440.8	467.3	500.9
152.5°	440.7	457.0	483.5	517.6
155°	464.8	483.2	511.0	540.1
157.5°	489.5	508.2	534.8	560.2
160°	504.7	524.9	548.9	572.3
162.5°	521.9	540.6	561.6	582.4
165°	547.0	562.2	579.3	597.0
167.5°	568.2	580.8	594.2	608.0
170°	581.8	591.9	603.3	614.1
172.5°	593.4	601.5	609.9	619.1
175°	609.0	613.4	618.5	624.2
177.5°	621.0	622.5	624.1	626.6
180°	626.1	626.1	626.1	626.1



TEST NUMBER: P1427516
 CATALOG NUMBER: SQ2W-BBM-K-050U-125D-L930-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	1.33	2.17	2.11	2.93	3.86	1.56	2.40	2.34	3.16	4.09
	3H	1.15	1.88	1.94	2.66	3.62	1.37	2.11	2.16	2.89	3.85
	4H	1.04	1.73	1.85	2.52	3.49	1.27	1.96	2.08	2.75	3.72
	6H	0.94	1.57	1.76	2.37	3.35	1.17	1.80	1.98	2.59	3.57
	8H	0.88	1.48	1.71	2.29	3.27	1.11	1.70	1.94	2.52	3.50
	12H	0.82	1.39	1.65	2.19	3.20	1.05	1.62	1.88	2.42	3.43
4H	2H	1.05	1.74	1.87	2.53	3.50	1.28	1.97	2.09	2.76	3.73
	3H	0.86	1.42	1.68	2.25	3.23	1.09	1.65	1.91	2.47	3.45
	4H	0.75	1.26	1.58	2.08	3.09	0.98	1.48	1.81	2.30	3.32
	6H	0.64	1.07	1.49	1.92	2.94	0.87	1.30	1.72	2.15	3.17
	8H	0.58	0.98	1.43	1.82	2.85	0.80	1.21	1.65	2.05	3.07
	12H	0.51	0.87	1.37	1.73	2.76	0.73	1.09	1.60	1.96	2.99
8H	4H	0.58	0.98	1.43	1.82	2.85	0.80	1.21	1.65	2.05	3.07
	6H	0.46	0.79	1.33	1.67	2.70	0.68	1.01	1.56	1.90	2.93
	8H	0.39	0.68	1.28	1.56	2.61	0.62	0.91	1.51	1.79	2.84
	12H	0.33	0.58	1.21	1.45	2.56	0.55	0.81	1.44	1.68	2.78
12H	4H	0.51	0.87	1.37	1.73	2.76	0.73	1.09	1.60	1.96	2.99
	6H	0.39	0.68	1.28	1.56	2.61	0.62	0.91	1.51	1.79	2.84
	8H	0.33	0.58	1.21	1.45	2.56	0.55	0.81	1.44	1.68	2.78