

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: P1427506

Luminaire Tested: SQ2W-BBM-K-025U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427506
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-025U-125D-L940-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 250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

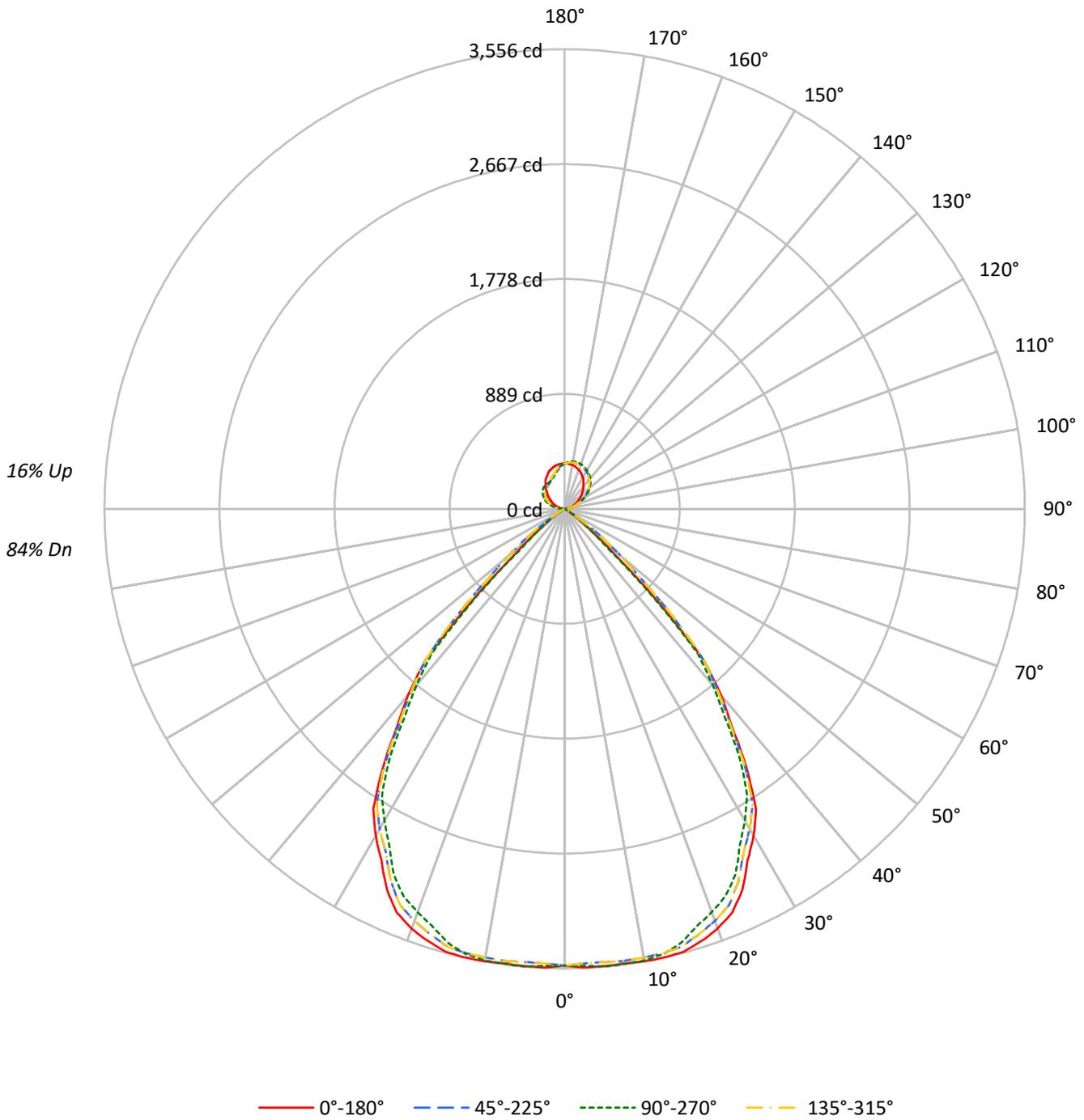
Lumens per Lamp: N/A
Luminaire Lumens: 6310.6 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 57.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: SQ2W-BBM-K-025U-125D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	84
1	109	105	102	100	104	102	99	97	95	93	91	88	87	85	82	81	80	77
2	102	96	92	88	98	93	89	85	87	84	81	82	79	77	77	75	73	70
3	95	88	82	78	92	85	80	76	80	76	73	76	72	69	71	69	66	64
4	89	81	74	69	86	78	72	68	74	69	65	70	66	63	66	63	60	58
5	84	74	67	62	81	72	66	61	68	63	59	65	61	57	62	58	55	53
6	78	68	61	56	76	66	60	55	63	58	54	60	56	52	57	53	50	49
7	73	63	56	51	71	61	55	50	58	53	49	56	51	48	53	49	46	44
8	69	58	51	47	67	57	50	46	54	49	45	52	47	44	50	46	43	41
9	65	54	47	43	63	53	47	42	51	45	41	49	44	40	47	42	39	38
10	61	50	44	39	59	49	43	39	47	42	38	45	41	37	44	39	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	57087	57087	57087	57087
5°	57536	57622	57536	57622
10°	58258	58171	58258	58171
15°	59309	58127	59309	58127
20°	59384	57074	59384	57074
25°	57917	55648	57917	55648
30°	54444	51905	54444	51905
35°	48321	46508	48321	46508
40°	39628	37504	39628	37504
45°	23626	22173	23626	22173
50°	7375	6975	7375	6975
55°	2790	2790	2790	2790
60°	171	58	171	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: 27660 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.1	5.4
10°-20°	990.3	15.7
20°-30°	1456.9	23.1
30°-40°	1489.1	23.6
40°-50°	857.8	13.6
50°-60°	147.6	2.3
60°-70°	5.3	0.1
70°-80°	0.0	0.0
80°-90°	1.9	0.0
90°-100°	27.9	0.4
100°-110°	81.4	1.3
110°-120°	132.8	2.1
120°-130°	168.5	2.7
130°-140°	180.3	2.9
140°-150°	168.4	2.7
150°-160°	138.6	2.2
160°-170°	92.9	1.5
170°-180°	33.0	0.5
0°-30°	2785.3	44.1
0°-40°	4274.4	67.7
0°-60°	5279.9	83.7
0°-90°	5287.1	83.8
90°-120°	242.1	3.8
90°-150°	759.4	12.0
90°-180°	1024.0	16.2
0°-180°	6310.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3536	3536	3536	3536	3536	
5°	3550	3555	3550	3555	3550	339
15°	3548	3478	3548	3478	3548	999
25°	3251	3124	3251	3124	3251	1483
35°	2452	2360	2452	2360	2452	1514
45°	1035	971	1035	971	1035	801
55°	99	99	99	99	99	105
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	1	8	1	15	1	1
95°	11	8	11	48	11	13
105°	52	83	52	114	52	55
115°	99	137	99	169	99	98
125°	147	218	147	208	147	131
135°	199	285	199	230	199	154
145°	255	329	255	235	255	159
155°	302	357	302	244	302	139
165°	334	372	334	280	334	94
175°	350	364	350	329	350	33
180°	351	351	351	351	351	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8
2.5°	3551.4	3547.0	3542.6	3532.1	3519.5	3520.4	3534.9	3545.0	3541.8	3538.7	3541.8
5°	3550.0	3546.1	3542.1	3531.1	3517.8	3521.7	3542.9	3558.4	3556.9	3555.3	3556.9
7.5°	3547.9	3545.2	3542.5	3534.8	3525.3	3529.4	3546.8	3558.9	3555.0	3551.0	3555.0
10°	3553.5	3552.7	3552.0	3540.0	3524.2	3525.4	3543.5	3556.1	3552.1	3548.2	3552.1
12.5°	3556.4	3561.2	3566.1	3548.9	3524.4	3519.3	3533.6	3542.6	3535.5	3528.4	3535.5
15°	3548.2	3561.6	3574.9	3550.6	3513.6	3496.3	3498.7	3497.9	3487.7	3477.5	3487.7
17.5°	3508.6	3527.5	3546.3	3514.1	3464.9	3436.0	3427.4	3417.2	3402.8	3388.3	3402.8
20°	3456.2	3478.3	3500.3	3465.1	3410.8	3376.3	3361.3	3347.0	3334.4	3321.8	3334.4
22.5°	3382.7	3402.8	3422.9	3389.1	3337.4	3302.2	3283.5	3266.9	3256.9	3246.8	3256.9
25°	3251.1	3264.4	3277.8	3243.4	3193.1	3160.9	3146.7	3134.7	3129.2	3123.7	3129.2
27.5°	3064.6	3068.4	3072.2	3044.8	3007.1	2979.4	2961.8	2946.8	2939.8	2932.7	2939.8
30°	2920.3	2920.3	2920.3	2899.1	2870.8	2847.2	2828.3	2810.8	2797.5	2784.1	2797.5
32.5°	2751.9	2750.0	2748.1	2732.6	2712.4	2692.0	2671.2	2652.3	2639.0	2625.6	2639.0
35°	2451.6	2460.2	2468.9	2458.0	2440.8	2421.9	2401.4	2383.2	2371.4	2359.6	2371.4
37.5°	2126.5	2129.8	2133.1	2124.1	2111.0	2093.5	2071.5	2052.5	2042.6	2032.7	2042.6
40°	1880.2	1881.0	1881.8	1870.8	1855.9	1840.5	1824.8	1809.3	1794.4	1779.4	1794.4
42.5°	1593.0	1608.9	1624.7	1618.0	1603.7	1583.9	1558.8	1538.4	1532.3	1526.1	1532.3
45°	1034.7	1104.7	1174.7	1200.4	1211.4	1202.8	1174.5	1133.0	1052.0	971.1	1052.0
47.5°	520.0	607.1	694.2	754.6	806.0	791.4	710.7	628.8	543.1	457.4	543.1
50°	293.6	345.5	397.4	478.2	568.6	553.6	433.4	335.9	306.8	277.7	306.8
52.5°	196.0	218.9	241.9	306.9	386.0	380.8	291.4	220.2	203.6	187.1	203.6
55°	99.1	105.3	111.6	140.3	176.5	175.7	138.0	108.5	103.8	99.1	103.8
57.5°	33.6	42.1	50.6	63.3	77.5	77.9	64.5	52.6	44.8	37.1	44.8
60°	5.3	13.2	21.0	31.2	42.3	41.1	27.7	15.9	8.8	1.8	8.8
62.5°	1.1	3.3	5.5	13.8	24.2	23.9	13.1	4.4	2.4	0.4	2.4
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°	0.2	0.5	0.9	1.1	1.3	1.4	1.4	1.5	1.6	1.6	1.6
90°	1.1	2.5	4.3	5.7	6.7	7.1	7.1	7.4	7.8	7.8	7.8
92.5°	3.9	6.2	6.2	6.2	7.6	8.2	8.8	8.9	9.2	9.2	9.2
95°	11.0	12.0	18.1	17.7	12.0	9.6	8.1	8.1	8.1	8.1	8.1
97.5°	21.0	22.5	23.5	31.5	33.3	32.2	26.2	22.0	19.7	18.6	19.7
100°	29.8	30.5	32.6	32.9	41.8	50.3	46.0	40.7	39.0	37.9	39.0
102.5°	38.5	39.0	42.2	43.7	45.8	50.6	65.3	63.7	62.5	62.3	62.5
105°	51.7	52.1	58.1	60.9	62.3	62.3	62.0	69.1	80.4	82.9	80.4
107.5°	65.8	67.4	74.5	82.1	83.7	84.2	82.3	81.3	80.8	81.1	80.8
110°	75.4	77.9	86.4	96.0	98.5	99.2	98.5	97.4	96.7	96.7	96.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	84.8	88.4	98.0	109.0	113.2	115.3	113.8	113.0	112.3	112.9	112.3
115°	99.2	104.5	117.2	128.6	137.1	138.1	137.8	137.8	137.4	137.4	137.4
117.5°	112.5	121.0	135.3	148.5	158.3	161.2	162.6	162.2	161.7	162.4	161.7
120°	121.9	131.8	148.1	162.9	172.5	176.8	178.2	177.5	178.2	177.5	178.2
122.5°	131.8	144.0	160.0	175.4	186.7	191.5	193.2	193.3	193.5	193.1	193.5
125°	146.6	161.5	180.3	196.2	207.9	213.6	215.0	215.4	216.1	217.8	216.1
127.5°	161.7	178.5	199.1	214.5	226.5	233.4	235.6	236.3	237.8	238.6	237.8
130°	172.2	191.3	212.2	226.7	238.4	245.8	249.7	250.8	252.6	252.2	252.6
132.5°	183.2	203.2	224.4	239.5	250.3	258.3	261.6	264.7	265.3	265.8	265.3
135°	199.4	221.0	242.3	257.2	267.4	275.2	279.5	282.3	284.1	285.1	284.1
137.5°	216.5	239.3	259.7	273.0	283.3	290.0	294.9	297.8	299.7	300.5	299.7
140°	228.1	250.1	269.9	283.7	292.9	299.7	303.9	307.5	309.6	309.6	309.6
142.5°	239.2	260.9	280.1	293.9	302.0	308.2	312.7	315.4	317.8	317.8	317.8
145°	254.7	276.3	294.0	307.8	314.6	320.2	325.2	327.3	328.7	328.7	328.7
147.5°	270.9	290.0	306.2	319.4	325.1	331.8	335.7	337.4	339.1	338.4	339.1
150°	280.5	298.3	313.8	326.2	331.9	338.3	342.2	343.6	345.4	344.3	345.4
152.5°	289.9	306.8	320.9	332.5	337.3	343.7	348.1	349.5	350.8	350.0	350.8
155°	302.5	317.4	330.5	341.1	345.4	351.4	355.6	357.4	358.8	357.1	358.8
157.5°	313.8	326.6	338.0	347.8	352.3	357.5	361.4	363.6	365.1	364.3	365.1
160°	320.6	332.3	342.5	351.7	356.0	360.6	364.9	367.3	368.7	367.7	368.7
162.5°	326.2	336.8	346.5	354.9	358.5	362.6	367.7	369.9	371.3	370.0	371.3
165°	334.4	342.9	351.4	358.5	361.7	364.9	370.2	372.6	373.7	372.3	373.7
167.5°	340.6	347.1	353.9	360.0	362.4	365.5	370.8	372.9	374.2	372.4	374.2
170°	344.0	349.6	355.6	360.6	362.4	365.2	370.5	372.3	373.4	371.6	373.4
172.5°	346.8	351.0	355.9	360.3	361.2	363.5	368.5	370.3	371.1	369.6	371.1
175°	349.6	352.1	355.6	358.5	358.1	359.5	363.8	365.2	366.6	364.5	366.6
177.5°	351.0	352.1	353.2	354.9	353.8	353.8	356.9	357.8	358.0	356.9	358.0
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8
2.5°	3545.0	3534.9	3520.4	3519.5	3532.1	3542.6	3547.0	3551.4	3547.0	3542.6	3532.1
5°	3558.4	3542.9	3521.7	3517.8	3531.1	3542.1	3546.1	3550.0	3546.1	3542.1	3531.1
7.5°	3558.9	3546.8	3529.4	3525.3	3534.8	3542.5	3545.2	3547.9	3545.2	3542.5	3534.8
10°	3556.1	3543.5	3525.4	3524.2	3540.0	3552.0	3552.7	3553.5	3552.7	3552.0	3540.0
12.5°	3542.6	3533.6	3519.3	3524.4	3548.9	3566.1	3561.2	3556.4	3561.2	3566.1	3548.9
15°	3497.9	3498.7	3496.3	3513.6	3550.6	3574.9	3561.6	3548.2	3561.6	3574.9	3550.6
17.5°	3417.2	3427.4	3436.0	3464.9	3514.1	3546.3	3527.5	3508.6	3527.5	3546.3	3514.1
20°	3347.0	3361.3	3376.3	3410.8	3465.1	3500.3	3478.3	3456.2	3478.3	3500.3	3465.1
22.5°	3266.9	3283.5	3302.2	3337.4	3389.1	3422.9	3402.8	3382.7	3402.8	3422.9	3389.1
25°	3134.7	3146.7	3160.9	3193.1	3243.4	3277.8	3264.4	3251.1	3264.4	3277.8	3243.4
27.5°	2946.8	2961.8	2979.4	3007.1	3044.8	3072.2	3068.4	3064.6	3068.4	3072.2	3044.8
30°	2810.8	2828.3	2847.2	2870.8	2899.1	2920.3	2920.3	2920.3	2920.3	2920.3	2899.1
32.5°	2652.3	2671.2	2692.0	2712.4	2732.6	2748.1	2750.0	2751.9	2750.0	2748.1	2732.6
35°	2383.2	2401.4	2421.9	2440.8	2458.0	2468.9	2460.2	2451.6	2460.2	2468.9	2458.0
37.5°	2052.5	2071.5	2093.5	2111.0	2124.1	2133.1	2129.8	2126.5	2129.8	2133.1	2124.1
40°	1809.3	1824.8	1840.5	1855.9	1870.8	1881.8	1881.0	1880.2	1881.0	1881.8	1870.8
42.5°	1538.4	1558.8	1583.9	1603.7	1618.0	1624.7	1608.9	1593.0	1608.9	1624.7	1618.0
45°	1133.0	1174.5	1202.8	1211.4	1200.4	1174.7	1104.7	1034.7	1104.7	1174.7	1200.4
47.5°	628.8	710.7	791.4	806.0	754.6	694.2	607.1	520.0	607.1	694.2	754.6
50°	335.9	433.4	553.6	568.6	478.2	397.4	345.5	293.6	345.5	397.4	478.2
52.5°	220.2	291.4	380.8	386.0	306.9	241.9	218.9	196.0	218.9	241.9	306.9
55°	108.5	138.0	175.7	176.5	140.3	111.6	105.3	99.1	105.3	111.6	140.3
57.5°	52.6	64.5	77.9	77.5	63.3	50.6	42.1	33.6	42.1	50.6	63.3
60°	15.9	27.7	41.1	42.3	31.2	21.0	13.2	5.3	13.2	21.0	31.2
62.5°	4.4	13.1	23.9	24.2	13.8	5.5	3.3	1.1	3.3	5.5	13.8
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°	1.5	1.4	1.4	1.3	1.1	0.9	0.5	0.2	0.5	0.8	1.3
90°	7.4	7.1	7.1	6.7	5.7	4.3	2.5	1.1	2.5	3.9	6.4
92.5°	8.9	8.8	8.2	7.6	6.2	6.2	6.2	3.9	6.7	9.6	13.7
95°	8.1	8.1	9.6	12.0	17.7	18.1	12.0	11.0	15.6	22.0	27.6
97.5°	22.0	26.2	32.2	33.3	31.5	23.5	22.5	21.0	28.6	34.9	44.0
100°	40.7	46.0	50.3	41.8	32.9	32.6	30.5	29.8	37.9	43.9	52.8
102.5°	63.7	65.3	50.6	45.8	43.7	42.2	39.0	38.5	46.7	55.0	62.4
105°	69.1	62.0	62.3	62.3	60.9	58.1	52.1	51.7	60.9	70.5	79.7
107.5°	81.3	82.3	84.2	83.7	82.1	74.5	67.4	65.8	74.1	85.6	95.7
110°	97.4	98.5	99.2	98.5	96.0	86.4	77.9	75.4	82.9	94.9	105.9



TEST NUMBER: P1427506

CATALOG NUMBER: SQ2W-BBM-K-025U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	113.0	113.8	115.3	113.2	109.0	98.0	88.4	84.8	92.2	104.6	115.8
115°	137.8	137.8	138.1	137.1	128.6	117.2	104.5	99.2	105.6	116.9	129.3
117.5°	162.2	162.6	161.2	158.3	148.5	135.3	121.0	112.5	117.5	129.5	142.3
120°	177.5	178.2	176.8	172.5	162.9	148.1	131.8	121.9	125.7	137.4	150.2
122.5°	193.3	193.2	191.5	186.7	175.4	160.0	144.0	131.8	133.4	144.2	156.7
125°	215.4	215.0	213.6	207.9	196.2	180.3	161.5	146.6	144.5	153.7	166.5
127.5°	236.3	235.6	233.4	226.5	214.5	199.1	178.5	161.7	156.9	162.7	174.4
130°	250.8	249.7	245.8	238.4	226.7	212.2	191.3	172.2	165.4	169.0	179.2
132.5°	264.7	261.6	258.3	250.3	239.5	224.4	203.2	183.2	173.9	175.5	183.5
135°	282.3	279.5	275.2	267.4	257.2	242.3	221.0	199.4	186.7	185.3	189.9
137.5°	297.8	294.9	290.0	283.3	273.0	259.7	239.3	216.5	200.4	195.7	197.4
140°	307.5	303.9	299.7	292.9	283.7	269.9	250.1	228.1	210.1	203.3	202.3
142.5°	315.4	312.7	308.2	302.0	293.9	280.1	260.9	239.2	220.0	211.3	208.8
145°	327.3	325.2	320.2	314.6	307.8	294.0	276.3	254.7	235.6	224.2	218.9
147.5°	337.4	335.7	331.8	325.1	319.4	306.2	290.0	270.9	251.3	237.3	230.4
150°	343.6	342.2	338.3	331.9	326.2	313.8	298.3	280.5	261.8	246.9	238.0
152.5°	349.5	348.1	343.7	337.3	332.5	320.9	306.8	289.9	270.8	256.0	246.8
155°	357.4	355.6	351.4	345.4	341.1	330.5	317.4	302.5	286.2	270.6	260.4
157.5°	363.6	361.4	357.5	352.3	347.8	338.0	326.6	313.8	299.5	284.7	274.2
160°	367.3	364.9	360.6	356.0	351.7	342.5	332.3	320.6	307.5	294.0	282.7
162.5°	369.9	367.7	362.6	358.5	354.9	346.5	336.8	326.2	314.6	302.8	292.3
165°	372.6	370.2	364.9	361.7	358.5	351.4	342.9	334.4	324.5	314.9	306.4
167.5°	372.9	370.8	365.5	362.4	360.0	353.9	347.1	340.6	332.8	325.3	318.2
170°	372.3	370.5	365.2	362.4	360.6	355.6	349.6	344.0	337.9	331.6	325.9
172.5°	370.3	368.5	363.5	361.2	360.3	355.9	351.0	346.8	341.6	336.9	332.4
175°	365.2	363.8	359.5	358.1	358.5	355.6	352.1	349.6	346.4	343.6	341.1
177.5°	357.8	356.9	353.8	353.8	354.9	353.2	352.1	351.0	349.5	348.7	347.8
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1427506

CATALOG NUMBER: SQ2W-BBM-K-025U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8
2.5°	3519.5	3520.4	3534.9	3545.0	3541.8	3538.7	3541.8	3545.0	3534.9	3520.4	3519.5
5°	3517.8	3521.7	3542.9	3558.4	3556.9	3555.3	3556.9	3558.4	3542.9	3521.7	3517.8
7.5°	3525.3	3529.4	3546.8	3558.9	3555.0	3551.0	3555.0	3558.9	3546.8	3529.4	3525.3
10°	3524.2	3525.4	3543.5	3556.1	3552.1	3548.2	3552.1	3556.1	3543.5	3525.4	3524.2
12.5°	3524.4	3519.3	3533.6	3542.6	3535.5	3528.4	3535.5	3542.6	3533.6	3519.3	3524.4
15°	3513.6	3496.3	3498.7	3497.9	3487.7	3477.5	3487.7	3497.9	3498.7	3496.3	3513.6
17.5°	3464.9	3436.0	3427.4	3417.2	3402.8	3388.3	3402.8	3417.2	3427.4	3436.0	3464.9
20°	3410.8	3376.3	3361.3	3347.0	3334.4	3321.8	3334.4	3347.0	3361.3	3376.3	3410.8
22.5°	3337.4	3302.2	3283.5	3266.9	3256.9	3246.8	3256.9	3266.9	3283.5	3302.2	3337.4
25°	3193.1	3160.9	3146.7	3134.7	3129.2	3123.7	3129.2	3134.7	3146.7	3160.9	3193.1
27.5°	3007.1	2979.4	2961.8	2946.8	2939.8	2932.7	2939.8	2946.8	2961.8	2979.4	3007.1
30°	2870.8	2847.2	2828.3	2810.8	2797.5	2784.1	2797.5	2810.8	2828.3	2847.2	2870.8
32.5°	2712.4	2692.0	2671.2	2652.3	2639.0	2625.6	2639.0	2652.3	2671.2	2692.0	2712.4
35°	2440.8	2421.9	2401.4	2383.2	2371.4	2359.6	2371.4	2383.2	2401.4	2421.9	2440.8
37.5°	2111.0	2093.5	2071.5	2052.5	2042.6	2032.7	2042.6	2052.5	2071.5	2093.5	2111.0
40°	1855.9	1840.5	1824.8	1809.3	1794.4	1779.4	1794.4	1809.3	1824.8	1840.5	1855.9
42.5°	1603.7	1583.9	1558.8	1538.4	1532.3	1526.1	1532.3	1538.4	1558.8	1583.9	1603.7
45°	1211.4	1202.8	1174.5	1133.0	1052.0	971.1	1052.0	1133.0	1174.5	1202.8	1211.4
47.5°	806.0	791.4	710.7	628.8	543.1	457.4	543.1	628.8	710.7	791.4	806.0
50°	568.6	553.6	433.4	335.9	306.8	277.7	306.8	335.9	433.4	553.6	568.6
52.5°	386.0	380.8	291.4	220.2	203.6	187.1	203.6	220.2	291.4	380.8	386.0
55°	176.5	175.7	138.0	108.5	103.8	99.1	103.8	108.5	138.0	175.7	176.5
57.5°	77.5	77.9	64.5	52.6	44.8	37.1	44.8	52.6	64.5	77.9	77.5
60°	42.3	41.1	27.7	15.9	8.8	1.8	8.8	15.9	27.7	41.1	42.3
62.5°	24.2	23.9	13.1	4.4	2.4	0.4	2.4	4.4	13.1	23.9	24.2
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°	1.6	2.1	2.6	2.9	3.2	3.0	3.2	2.9	2.6	2.1	1.6
90°	8.1	10.6	13.1	14.5	15.9	15.2	15.9	14.5	13.1	10.6	8.1
92.5°	16.4	20.5	23.6	26.1	27.3	27.1	27.3	26.1	23.6	20.5	16.4
95°	32.9	37.9	42.9	46.4	48.5	47.8	48.5	46.4	42.9	37.9	32.9
97.5°	50.8	57.5	63.0	66.3	68.4	69.9	68.4	66.3	63.0	57.5	50.8
100°	62.7	69.1	75.4	79.3	82.9	84.3	82.9	79.3	75.4	69.1	62.7
102.5°	72.3	80.7	87.6	91.8	94.8	96.2	94.8	91.8	87.6	80.7	72.3
105°	88.2	97.1	104.5	109.8	113.0	114.1	113.0	109.8	104.5	97.1	88.2
107.5°	104.1	113.2	120.1	126.0	129.9	132.1	129.9	126.0	120.1	113.2	104.1
110°	116.5	124.0	131.4	136.7	140.6	142.0	140.6	136.7	131.4	124.0	116.5



TEST NUMBER: P1427506

CATALOG NUMBER: SQ2W-BBM-K-025U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	127.0	135.3	142.8	148.1	152.5	154.5	152.5	148.1	142.8	135.3	127.0
115°	141.7	152.7	159.4	164.4	167.5	169.3	167.5	164.4	159.4	152.7	141.7
117.5°	153.9	165.4	172.7	176.5	178.0	179.3	178.0	176.5	172.7	165.4	153.9
120°	161.5	172.2	180.7	185.6	187.4	188.1	187.4	185.6	180.7	172.2	161.5
122.5°	168.6	178.7	186.9	193.0	195.9	196.6	195.9	193.0	186.9	178.7	168.6
125°	178.5	188.1	196.6	202.6	205.8	207.6	205.8	202.6	196.6	188.1	178.5
127.5°	187.2	197.5	205.3	210.8	213.9	215.3	213.9	210.8	205.3	197.5	187.2
130°	192.0	202.6	210.4	216.4	219.3	220.7	219.3	216.4	210.4	202.6	192.0
132.5°	195.7	206.9	214.9	220.4	223.5	224.9	223.5	220.4	214.9	206.9	195.7
135°	200.1	211.8	220.3	225.6	228.5	229.9	228.5	225.6	220.3	211.8	200.1
137.5°	204.0	214.7	223.5	229.1	231.7	232.6	231.7	229.1	223.5	214.7	204.0
140°	206.9	216.1	224.9	230.2	233.1	233.4	233.1	230.2	224.9	216.1	206.9
142.5°	210.6	217.8	225.5	230.8	233.6	234.3	233.6	230.8	225.5	217.8	210.6
145°	217.1	221.4	226.7	231.7	234.1	234.9	234.1	231.7	226.7	221.4	217.1
147.5°	225.4	226.8	229.5	232.8	235.2	235.7	235.2	232.8	229.5	226.8	225.4
150°	231.7	231.3	232.4	234.5	236.6	236.3	236.6	234.5	232.4	231.3	231.7
152.5°	238.7	236.7	236.6	237.6	238.6	238.5	238.6	237.6	236.6	236.7	238.7
155°	250.8	246.9	244.8	244.1	244.1	243.7	244.1	244.1	244.8	246.9	250.8
157.5°	264.0	258.6	255.4	253.7	253.2	252.4	253.2	253.7	255.4	258.6	264.0
160°	273.1	267.1	263.9	261.1	260.0	258.9	260.0	261.1	263.9	267.1	273.1
162.5°	281.6	275.9	272.4	269.8	268.8	267.2	268.8	269.8	272.4	275.9	281.6
165°	295.4	289.4	285.5	283.4	282.0	280.5	282.0	283.4	285.5	289.4	295.4
167.5°	309.2	302.6	300.1	297.7	296.3	293.8	296.3	297.7	300.1	302.6	309.2
170°	317.7	311.7	310.3	308.2	305.7	302.9	305.7	308.2	310.3	311.7	317.7
172.5°	325.1	321.1	319.7	317.5	316.7	314.5	316.7	317.5	319.7	321.1	325.1
175°	335.8	332.6	332.6	332.3	331.2	329.1	331.2	332.3	332.6	332.6	335.8
177.5°	344.7	343.0	344.2	344.2	343.9	341.9	343.9	344.2	344.2	343.0	344.7
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1427506

CATALOG NUMBER: SQ2W-BBM-K-025U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3535.8	3535.8	3535.8	3535.8
2.5°	3532.1	3542.6	3547.0	3551.4
5°	3531.1	3542.1	3546.1	3550.0
7.5°	3534.8	3542.5	3545.2	3547.9
10°	3540.0	3552.0	3552.7	3553.5
12.5°	3548.9	3566.1	3561.2	3556.4
15°	3550.6	3574.9	3561.6	3548.2
17.5°	3514.1	3546.3	3527.5	3508.6
20°	3465.1	3500.3	3478.3	3456.2
22.5°	3389.1	3422.9	3402.8	3382.7
25°	3243.4	3277.8	3264.4	3251.1
27.5°	3044.8	3072.2	3068.4	3064.6
30°	2899.1	2920.3	2920.3	2920.3
32.5°	2732.6	2748.1	2750.0	2751.9
35°	2458.0	2468.9	2460.2	2451.6
37.5°	2124.1	2133.1	2129.8	2126.5
40°	1870.8	1881.8	1881.0	1880.2
42.5°	1618.0	1624.7	1608.9	1593.0
45°	1200.4	1174.7	1104.7	1034.7
47.5°	754.6	694.2	607.1	520.0
50°	478.2	397.4	345.5	293.6
52.5°	306.9	241.9	218.9	196.0
55°	140.3	111.6	105.3	99.1
57.5°	63.3	50.6	42.1	33.6
60°	31.2	21.0	13.2	5.3
62.5°	13.8	5.5	3.3	1.1
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°	1.3	0.8	0.5	0.2
90°	6.4	3.9	2.5	1.1
92.5°	13.7	9.6	6.7	3.9
95°	27.6	22.0	15.6	11.0
97.5°	44.0	34.9	28.6	21.0
100°	52.8	43.9	37.9	29.8
102.5°	62.4	55.0	46.7	38.5
105°	79.7	70.5	60.9	51.7
107.5°	95.7	85.6	74.1	65.8
110°	105.9	94.9	82.9	75.4



TEST NUMBER: P1427506

CATALOG NUMBER: SQ2W-BBM-K-025U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	115.8	104.6	92.2	84.8
115°	129.3	116.9	105.6	99.2
117.5°	142.3	129.5	117.5	112.5
120°	150.2	137.4	125.7	121.9
122.5°	156.7	144.2	133.4	131.8
125°	166.5	153.7	144.5	146.6
127.5°	174.4	162.7	156.9	161.7
130°	179.2	169.0	165.4	172.2
132.5°	183.5	175.5	173.9	183.2
135°	189.9	185.3	186.7	199.4
137.5°	197.4	195.7	200.4	216.5
140°	202.3	203.3	210.1	228.1
142.5°	208.8	211.3	220.0	239.2
145°	218.9	224.2	235.6	254.7
147.5°	230.4	237.3	251.3	270.9
150°	238.0	246.9	261.8	280.5
152.5°	246.8	256.0	270.8	289.9
155°	260.4	270.6	286.2	302.5
157.5°	274.2	284.7	299.5	313.8
160°	282.7	294.0	307.5	320.6
162.5°	292.3	302.8	314.6	326.2
165°	306.4	314.9	324.5	334.4
167.5°	318.2	325.3	332.8	340.6
170°	325.9	331.6	337.9	344.0
172.5°	332.4	336.9	341.6	346.8
175°	341.1	343.6	346.4	349.6
177.5°	347.8	348.7	349.5	351.0
180°	350.7	350.7	350.7	350.7



TEST NUMBER: P1427506
 CATALOG NUMBER: SQ2W-BBM-K-025U-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	2.59	3.52	3.22	4.14	4.84	2.82	3.75	3.45	4.36	5.07
	3H	2.41	3.23	3.06	3.86	4.60	2.64	3.46	3.28	4.09	4.83
	4H	2.31	3.07	2.98	3.72	4.47	2.54	3.30	3.21	3.94	4.70
	6H	2.21	2.91	2.89	3.56	4.33	2.44	3.13	3.12	3.79	4.55
	8H	2.15	2.81	2.84	3.48	4.25	2.38	3.04	3.07	3.71	4.48
	12H	2.10	2.72	2.79	3.39	4.18	2.32	2.95	3.02	3.61	4.41
4H	2H	2.32	3.08	2.99	3.72	4.48	2.55	3.31	3.22	3.95	4.71
	3H	2.13	2.75	2.81	3.44	4.21	2.36	2.98	3.04	3.66	4.43
	4H	2.02	2.58	2.72	3.26	4.07	2.25	2.80	2.95	3.49	4.30
	6H	1.92	2.39	2.64	3.10	3.92	2.14	2.62	2.86	3.33	4.15
	8H	1.85	2.29	2.57	3.00	3.82	2.08	2.52	2.80	3.23	4.05
	12H	1.78	2.17	2.52	2.91	3.74	2.01	2.40	2.75	3.14	3.97
8H	4H	1.85	2.29	2.57	3.00	3.82	2.08	2.52	2.80	3.23	4.05
	6H	1.73	2.09	2.48	2.84	3.67	1.96	2.32	2.71	3.07	3.90
	8H	1.66	1.98	2.43	2.74	3.58	1.89	2.21	2.66	2.97	3.81
	12H	1.60	1.88	2.36	2.63	3.54	1.83	2.11	2.59	2.85	3.76
12H	4H	1.78	2.17	2.52	2.91	3.74	2.01	2.40	2.75	3.14	3.97
	6H	1.66	1.98	2.43	2.74	3.58	1.89	2.21	2.66	2.97	3.81
	8H	1.60	1.88	2.36	2.63	3.53	1.83	2.11	2.59	2.85	3.76