

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: P1427505

Luminaire Tested: SQ2W-BBM-K-025U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427505
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-L935-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

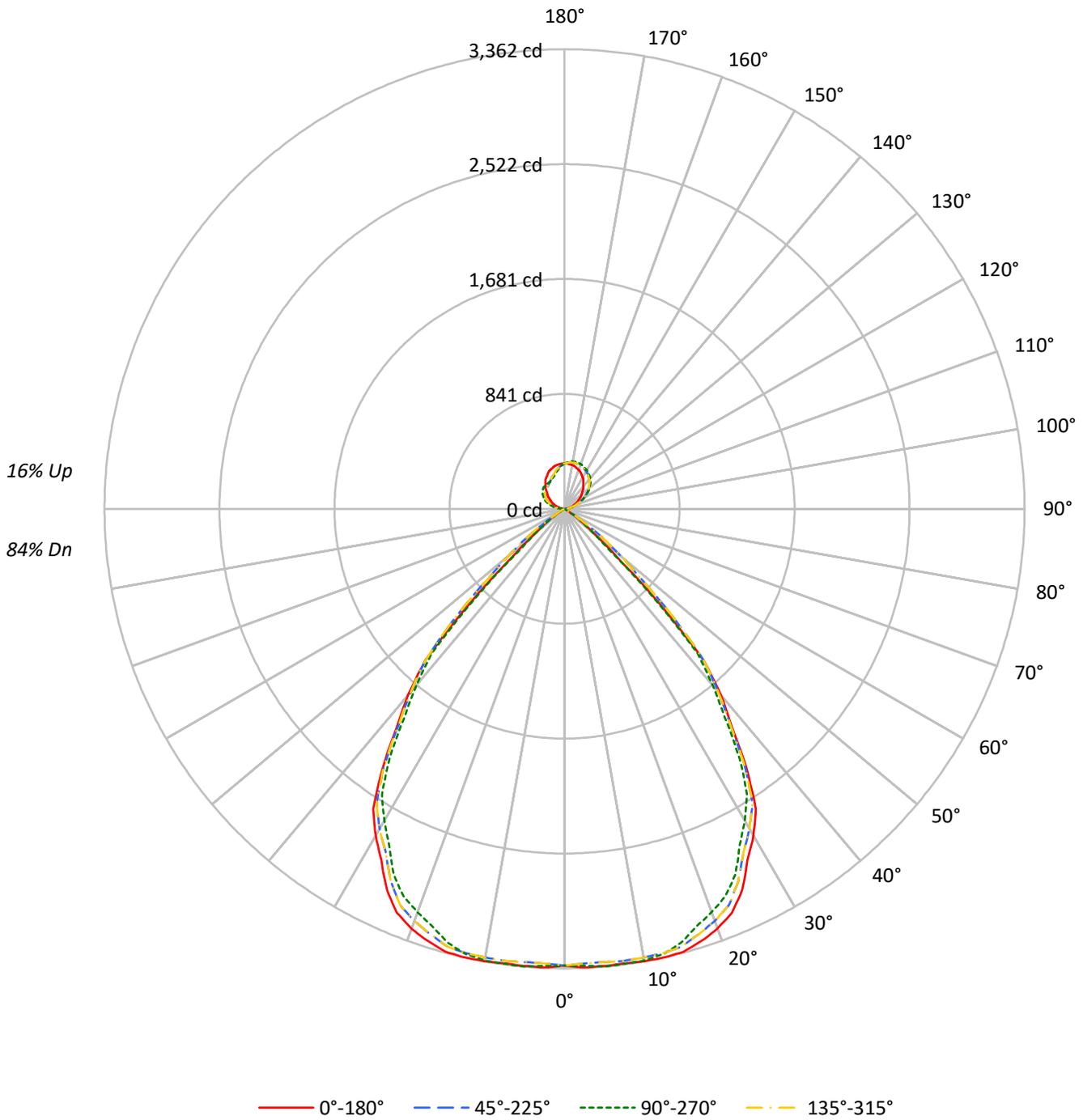
Lumens per Lamp: N/A
Luminaire Lumens: 5965.9 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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

TEST NUMBER: P1427505

CATALOG NUMBER: SQ2W-BBM-K-025U-125D-L935-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°	53970	53970	53970	53970
5°	54393	54474	54393	54474
10°	55078	54994	55078	54994
15°	56069	54953	56069	54953
20°	56141	53958	56141	53958
25°	54753	52608	54753	52608
30°	51470	49071	51470	49071
35°	45682	43967	45682	43967
40°	37466	35455	37466	35455
45°	22335	20961	22335	20961
50°	6973	6593	6973	6593
55°	2635	2635	2635	2635
60°	161	55	161	55
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: 26151 cd/sqm



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CATALOG NUMBER: SQ2W-BBM-K-025U-125D-L935-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.6	5.4
10°-20°	936.2	15.7
20°-30°	1377.4	23.1
30°-40°	1407.8	23.6
40°-50°	811.0	13.6
50°-60°	139.6	2.3
60°-70°	5.0	0.1
70°-80°	0.0	0.0
80°-90°	1.8	0.0
90°-100°	26.4	0.4
100°-110°	76.9	1.3
110°-120°	125.6	2.1
120°-130°	159.3	2.7
130°-140°	170.5	2.9
140°-150°	159.2	2.7
150°-160°	131.0	2.2
160°-170°	87.9	1.5
170°-180°	31.2	0.5
0°-30°	2633.2	44.1
0°-40°	4041.0	67.7
0°-60°	4991.5	83.7
0°-90°	4998.3	83.8
90°-120°	228.9	3.8
90°-150°	717.9	12.0
90°-180°	968.0	16.2
0°-180°	5965.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3343	3343	3343	3343	3343	
5°	3356	3361	3356	3361	3356	320
15°	3354	3288	3354	3288	3354	945
25°	3074	2953	3074	2953	3074	1402
35°	2318	2231	2318	2231	2318	1432
45°	978	918	978	918	978	757
55°	94	94	94	94	94	99
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	1	7	1	14	1	1
95°	10	8	10	45	10	13
105°	49	78	49	108	49	52
115°	94	130	94	160	94	92
125°	139	206	139	196	139	124
135°	188	270	188	217	188	146
145°	241	311	241	222	241	151
155°	286	338	286	230	286	131
165°	316	352	316	265	316	89
175°	330	345	330	311	330	31
180°	332	332	332	332	332	



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CATALOG NUMBER: SQ2W-BBM-K-025U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7
2.5°	3357.5	3353.3	3349.1	3339.2	3327.3	3328.2	3341.8	3351.4	3348.4	3345.4	3348.4
5°	3356.1	3352.4	3348.7	3338.3	3325.6	3329.4	3349.4	3364.1	3362.6	3361.1	3362.6
7.5°	3354.1	3351.6	3349.1	3341.7	3332.8	3336.6	3353.1	3364.6	3360.8	3357.1	3360.8
10°	3359.5	3358.7	3358.0	3346.6	3331.8	3332.9	3350.0	3361.9	3358.2	3354.4	3358.2
12.5°	3362.1	3366.7	3371.4	3355.1	3331.9	3327.1	3340.6	3349.1	3342.4	3335.7	3342.4
15°	3354.4	3367.1	3379.7	3356.7	3321.7	3305.4	3307.6	3306.9	3297.2	3287.6	3297.2
17.5°	3317.0	3334.8	3352.7	3322.2	3275.7	3248.4	3240.2	3230.6	3217.0	3203.3	3217.0
20°	3267.5	3288.3	3309.1	3275.8	3224.6	3191.9	3177.7	3164.2	3152.3	3140.4	3152.3
22.5°	3197.9	3217.0	3236.0	3204.1	3155.2	3121.9	3104.2	3088.5	3079.0	3069.5	3079.0
25°	3073.5	3086.1	3098.8	3066.3	3018.7	2988.2	2974.9	2963.5	2958.3	2953.1	2958.3
27.5°	2897.3	2900.8	2904.4	2878.5	2842.9	2816.7	2800.1	2785.9	2779.2	2772.5	2779.2
30°	2760.8	2760.8	2760.8	2740.7	2714.0	2691.7	2673.9	2657.3	2644.7	2632.1	2644.7
32.5°	2601.6	2599.8	2598.0	2583.3	2564.3	2545.0	2525.4	2507.5	2494.9	2482.2	2494.9
35°	2317.7	2325.9	2334.0	2323.8	2307.5	2289.6	2270.3	2253.0	2241.9	2230.7	2241.9
37.5°	2010.3	2013.4	2016.6	2008.1	1995.8	1979.2	1958.4	1940.4	1931.1	1921.7	1931.1
40°	1777.6	1778.3	1779.0	1768.6	1754.5	1740.0	1725.2	1710.5	1696.4	1682.2	1696.4
42.5°	1506.0	1521.0	1536.0	1529.6	1516.1	1497.4	1473.7	1454.4	1448.6	1442.8	1448.6
45°	978.2	1044.4	1110.5	1134.9	1145.3	1137.1	1110.3	1071.1	994.6	918.0	994.6
47.5°	491.6	574.0	656.3	713.4	762.0	748.1	671.9	594.5	513.4	432.4	513.4
50°	277.6	326.6	375.7	452.1	537.5	523.4	409.7	317.5	290.0	262.5	290.0
52.5°	185.3	207.0	228.7	290.2	364.9	360.0	275.5	208.1	192.5	176.9	192.5
55°	93.6	99.6	105.5	132.7	166.8	166.1	130.4	102.6	98.1	93.6	98.1
57.5°	31.8	39.8	47.8	59.9	73.2	73.6	61.0	49.7	42.4	35.1	42.4
60°	5.0	12.4	19.9	29.5	39.9	38.8	26.2	15.0	8.4	1.7	8.4
62.5°	1.0	3.1	5.2	13.0	22.9	22.6	12.4	4.2	2.3	0.3	2.3
65°	0.0	0.0	0.0	0.6	1.3	1.3	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	0.8	1.1	1.3	1.3	1.3	1.4	1.5	1.5	1.5
90°	1.0	2.3	4.0	5.4	6.4	6.7	6.7	7.0	7.4	7.4	7.4
92.5°	3.7	5.8	5.9	5.9	7.2	7.8	8.3	8.4	8.7	8.7	8.7
95°	10.4	11.4	17.1	16.7	11.4	9.0	7.7	7.7	7.7	7.7	7.7
97.5°	19.8	21.3	22.2	29.8	31.5	30.4	24.8	20.8	18.6	17.6	18.6
100°	28.1	28.8	30.8	31.1	39.5	47.6	43.5	38.5	36.8	35.8	36.8
102.5°	36.4	36.8	39.9	41.3	43.3	47.8	61.8	60.2	59.1	58.9	59.1
105°	48.9	49.2	54.9	57.6	58.9	58.9	58.6	65.3	76.0	78.4	76.0
107.5°	62.2	63.8	70.5	77.6	79.2	79.6	77.8	76.8	76.4	76.7	76.4
110°	71.3	73.7	81.7	90.8	93.1	93.8	93.1	92.1	91.4	91.4	91.4



TEST NUMBER: P1427505

CATALOG NUMBER: SQ2W-BBM-K-025U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	80.2	83.6	92.7	103.1	107.0	109.0	107.6	106.8	106.2	106.7	106.2
115°	93.8	98.8	110.8	121.6	129.6	130.6	130.3	130.3	129.9	129.9	129.9
117.5°	106.4	114.4	127.9	140.4	149.7	152.4	153.7	153.3	152.9	153.6	152.9
120°	115.2	124.6	140.0	154.0	163.1	167.1	168.4	167.8	168.4	167.8	168.4
122.5°	124.6	136.1	151.2	165.8	176.5	181.0	182.6	182.8	182.9	182.5	182.9
125°	138.6	152.7	170.5	185.5	196.6	201.9	203.3	203.6	204.3	206.0	204.3
127.5°	152.8	168.8	188.3	202.8	214.1	220.6	222.7	223.4	224.8	225.6	224.8
130°	162.8	180.8	200.6	214.3	225.4	232.4	236.1	237.1	238.8	238.4	238.8
132.5°	173.2	192.1	212.1	226.4	236.6	244.2	247.3	250.2	250.8	251.3	250.8
135°	188.5	209.0	229.1	243.1	252.8	260.2	264.2	266.9	268.6	269.6	268.6
137.5°	204.7	226.2	245.5	258.1	267.8	274.2	278.8	281.6	283.3	284.1	283.3
140°	215.7	236.4	255.2	268.2	276.9	283.3	287.3	290.7	292.7	292.7	292.7
142.5°	226.1	246.6	264.8	277.9	285.5	291.3	295.6	298.2	300.5	300.5	300.5
145°	240.8	261.2	277.9	291.0	297.4	302.7	307.4	309.4	310.8	310.8	310.8
147.5°	256.1	274.2	289.5	302.0	307.4	313.6	317.3	318.9	320.6	319.9	320.6
150°	265.2	282.0	296.7	308.4	313.8	319.8	323.5	324.8	326.5	325.5	326.5
152.5°	274.1	290.0	303.4	314.3	318.9	324.9	329.1	330.5	331.6	330.9	331.6
155°	286.0	300.1	312.4	322.5	326.5	332.2	336.2	337.9	339.2	337.6	339.2
157.5°	296.6	308.8	319.5	328.8	333.1	338.0	341.7	343.8	345.1	344.4	345.1
160°	303.1	314.1	323.8	332.5	336.6	340.9	344.9	347.3	348.6	347.6	348.6
162.5°	308.4	318.4	327.6	335.5	339.0	342.8	347.6	349.7	351.0	349.7	351.0
165°	316.1	324.2	332.2	338.9	341.9	344.9	349.9	352.3	353.3	352.0	353.3
167.5°	322.0	328.1	334.6	340.4	342.6	345.5	350.6	352.5	353.8	352.1	353.8
170°	325.2	330.5	336.2	340.9	342.6	345.3	350.3	352.0	353.0	351.3	353.0
172.5°	327.8	331.9	336.5	340.6	341.5	343.7	348.4	350.1	350.8	349.4	350.8
175°	330.5	332.9	336.2	338.9	338.6	339.9	343.9	345.3	346.6	344.6	346.6
177.5°	331.8	332.9	333.9	335.5	334.5	334.5	337.4	338.2	338.5	337.4	338.5
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7
2.5°	3351.4	3341.8	3328.2	3327.3	3339.2	3349.1	3353.3	3357.5	3353.3	3349.1	3339.2
5°	3364.1	3349.4	3329.4	3325.6	3338.3	3348.7	3352.4	3356.1	3352.4	3348.7	3338.3
7.5°	3364.6	3353.1	3336.6	3332.8	3341.7	3349.1	3351.6	3354.1	3351.6	3349.1	3341.7
10°	3361.9	3350.0	3332.9	3331.8	3346.6	3358.0	3358.7	3359.5	3358.7	3358.0	3346.6
12.5°	3349.1	3340.6	3327.1	3331.9	3355.1	3371.4	3366.7	3362.1	3366.7	3371.4	3355.1
15°	3306.9	3307.6	3305.4	3321.7	3356.7	3379.7	3367.1	3354.4	3367.1	3379.7	3356.7
17.5°	3230.6	3240.2	3248.4	3275.7	3322.2	3352.7	3334.8	3317.0	3334.8	3352.7	3322.2
20°	3164.2	3177.7	3191.9	3224.6	3275.8	3309.1	3288.3	3267.5	3288.3	3309.1	3275.8
22.5°	3088.5	3104.2	3121.9	3155.2	3204.1	3236.0	3217.0	3197.9	3217.0	3236.0	3204.1
25°	2963.5	2974.9	2988.2	3018.7	3066.3	3098.8	3086.1	3073.5	3086.1	3098.8	3066.3
27.5°	2785.9	2800.1	2816.7	2842.9	2878.5	2904.4	2900.8	2897.3	2900.8	2904.4	2878.5
30°	2657.3	2673.9	2691.7	2714.0	2740.7	2760.8	2760.8	2760.8	2760.8	2760.8	2740.7
32.5°	2507.5	2525.4	2545.0	2564.3	2583.3	2598.0	2599.8	2601.6	2599.8	2598.0	2583.3
35°	2253.0	2270.3	2289.6	2307.5	2323.8	2334.0	2325.9	2317.7	2325.9	2334.0	2323.8
37.5°	1940.4	1958.4	1979.2	1995.8	2008.1	2016.6	2013.4	2010.3	2013.4	2016.6	2008.1
40°	1710.5	1725.2	1740.0	1754.5	1768.6	1779.0	1778.3	1777.6	1778.3	1779.0	1768.6
42.5°	1454.4	1473.7	1497.4	1516.1	1529.6	1536.0	1521.0	1506.0	1521.0	1536.0	1529.6
45°	1071.1	1110.3	1137.1	1145.3	1134.9	1110.5	1044.4	978.2	1044.4	1110.5	1134.9
47.5°	594.5	671.9	748.1	762.0	713.4	656.3	574.0	491.6	574.0	656.3	713.4
50°	317.5	409.7	523.4	537.5	452.1	375.7	326.6	277.6	326.6	375.7	452.1
52.5°	208.1	275.5	360.0	364.9	290.2	228.7	207.0	185.3	207.0	228.7	290.2
55°	102.6	130.4	166.1	166.8	132.7	105.5	99.6	93.6	99.6	105.5	132.7
57.5°	49.7	61.0	73.6	73.2	59.9	47.8	39.8	31.8	39.8	47.8	59.9
60°	15.0	26.2	38.8	39.9	29.5	19.9	12.4	5.0	12.4	19.9	29.5
62.5°	4.2	12.4	22.6	22.9	13.0	5.2	3.1	1.0	3.1	5.2	13.0
65°	0.0	0.6	1.3	1.3	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°	1.4	1.3	1.3	1.3	1.1	0.8	0.5	0.2	0.5	0.7	1.2
90°	7.0	6.7	6.7	6.4	5.4	4.0	2.3	1.0	2.3	3.7	6.0
92.5°	8.4	8.3	7.8	7.2	5.9	5.9	5.8	3.7	6.4	9.0	13.0
95°	7.7	7.7	9.0	11.4	16.7	17.1	11.4	10.4	14.7	20.8	26.1
97.5°	20.8	24.8	30.4	31.5	29.8	22.2	21.3	19.8	27.0	33.0	41.6
100°	38.5	43.5	47.6	39.5	31.1	30.8	28.8	28.1	35.8	41.5	49.9
102.5°	60.2	61.8	47.8	43.3	41.3	39.9	36.8	36.4	44.1	52.0	59.0
105°	65.3	58.6	58.9	58.9	57.6	54.9	49.2	48.9	57.6	66.6	75.3
107.5°	76.8	77.8	79.6	79.2	77.6	70.5	63.8	62.2	70.1	80.9	90.5
110°	92.1	93.1	93.8	93.1	90.8	81.7	73.7	71.3	78.4	89.7	100.1



TEST NUMBER: P1427505

CATALOG NUMBER: SQ2W-BBM-K-025U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	106.8	107.6	109.0	107.0	103.1	92.7	83.6	80.2	87.2	98.9	109.5
115°	130.3	130.3	130.6	129.6	121.6	110.8	98.8	93.8	99.8	110.5	122.2
117.5°	153.3	153.7	152.4	149.7	140.4	127.9	114.4	106.4	111.1	122.4	134.5
120°	167.8	168.4	167.1	163.1	154.0	140.0	124.6	115.2	118.9	129.9	142.0
122.5°	182.8	182.6	181.0	176.5	165.8	151.2	136.1	124.6	126.1	136.4	148.2
125°	203.6	203.3	201.9	196.6	185.5	170.5	152.7	138.6	136.6	145.3	157.4
127.5°	223.4	222.7	220.6	214.1	202.8	188.3	168.8	152.8	148.4	153.8	164.9
130°	237.1	236.1	232.4	225.4	214.3	200.6	180.8	162.8	156.4	159.7	169.4
132.5°	250.2	247.3	244.2	236.6	226.4	212.1	192.1	173.2	164.4	165.9	173.5
135°	266.9	264.2	260.2	252.8	243.1	229.1	209.0	188.5	176.5	175.1	179.5
137.5°	281.6	278.8	274.2	267.8	258.1	245.5	226.2	204.7	189.5	185.0	186.7
140°	290.7	287.3	283.3	276.9	268.2	255.2	236.4	215.7	198.6	192.2	191.2
142.5°	298.2	295.6	291.3	285.5	277.9	264.8	246.6	226.1	208.0	199.7	197.4
145°	309.4	307.4	302.7	297.4	291.0	277.9	261.2	240.8	222.7	212.0	207.0
147.5°	318.9	317.3	313.6	307.4	302.0	289.5	274.2	256.1	237.6	224.3	217.8
150°	324.8	323.5	319.8	313.8	308.4	296.7	282.0	265.2	247.5	233.4	225.0
152.5°	330.5	329.1	324.9	318.9	314.3	303.4	290.0	274.1	256.0	242.0	233.3
155°	337.9	336.2	332.2	326.5	322.5	312.4	300.1	286.0	270.6	255.8	246.1
157.5°	343.8	341.7	338.0	333.1	328.8	319.5	308.8	296.6	283.2	269.1	259.2
160°	347.3	344.9	340.9	336.6	332.5	323.8	314.1	303.1	290.7	277.9	267.2
162.5°	349.7	347.6	342.8	339.0	335.5	327.6	318.4	308.4	297.4	286.3	276.3
165°	352.3	349.9	344.9	341.9	338.9	332.2	324.2	316.1	306.7	297.7	289.7
167.5°	352.5	350.6	345.5	342.6	340.4	334.6	328.1	322.0	314.7	307.6	300.9
170°	352.0	350.3	345.3	342.6	340.9	336.2	330.5	325.2	319.5	313.4	308.1
172.5°	350.1	348.4	343.7	341.5	340.6	336.5	331.9	327.8	323.0	318.5	314.3
175°	345.3	343.9	339.9	338.6	338.9	336.2	332.9	330.5	327.5	324.8	322.5
177.5°	338.2	337.4	334.5	334.5	335.5	333.9	332.9	331.8	330.5	329.7	328.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1427505

CATALOG NUMBER: SQ2W-BBM-K-025U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7
2.5°	3327.3	3328.2	3341.8	3351.4	3348.4	3345.4	3348.4	3351.4	3341.8	3328.2	3327.3
5°	3325.6	3329.4	3349.4	3364.1	3362.6	3361.1	3362.6	3364.1	3349.4	3329.4	3325.6
7.5°	3332.8	3336.6	3353.1	3364.6	3360.8	3357.1	3360.8	3364.6	3353.1	3336.6	3332.8
10°	3331.8	3332.9	3350.0	3361.9	3358.2	3354.4	3358.2	3361.9	3350.0	3332.9	3331.8
12.5°	3331.9	3327.1	3340.6	3349.1	3342.4	3335.7	3342.4	3349.1	3340.6	3327.1	3331.9
15°	3321.7	3305.4	3307.6	3306.9	3297.2	3287.6	3297.2	3306.9	3307.6	3305.4	3321.7
17.5°	3275.7	3248.4	3240.2	3230.6	3217.0	3203.3	3217.0	3230.6	3240.2	3248.4	3275.7
20°	3224.6	3191.9	3177.7	3164.2	3152.3	3140.4	3152.3	3164.2	3177.7	3191.9	3224.6
22.5°	3155.2	3121.9	3104.2	3088.5	3079.0	3069.5	3079.0	3088.5	3104.2	3121.9	3155.2
25°	3018.7	2988.2	2974.9	2963.5	2958.3	2953.1	2958.3	2963.5	2974.9	2988.2	3018.7
27.5°	2842.9	2816.7	2800.1	2785.9	2779.2	2772.5	2779.2	2785.9	2800.1	2816.7	2842.9
30°	2714.0	2691.7	2673.9	2657.3	2644.7	2632.1	2644.7	2657.3	2673.9	2691.7	2714.0
32.5°	2564.3	2545.0	2525.4	2507.5	2494.9	2482.2	2494.9	2507.5	2525.4	2545.0	2564.3
35°	2307.5	2289.6	2270.3	2253.0	2241.9	2230.7	2241.9	2253.0	2270.3	2289.6	2307.5
37.5°	1995.8	1979.2	1958.4	1940.4	1931.1	1921.7	1931.1	1940.4	1958.4	1979.2	1995.8
40°	1754.5	1740.0	1725.2	1710.5	1696.4	1682.2	1696.4	1710.5	1725.2	1740.0	1754.5
42.5°	1516.1	1497.4	1473.7	1454.4	1448.6	1442.8	1448.6	1454.4	1473.7	1497.4	1516.1
45°	1145.3	1137.1	1110.3	1071.1	994.6	918.0	994.6	1071.1	1110.3	1137.1	1145.3
47.5°	762.0	748.1	671.9	594.5	513.4	432.4	513.4	594.5	671.9	748.1	762.0
50°	537.5	523.4	409.7	317.5	290.0	262.5	290.0	317.5	409.7	523.4	537.5
52.5°	364.9	360.0	275.5	208.1	192.5	176.9	192.5	208.1	275.5	360.0	364.9
55°	166.8	166.1	130.4	102.6	98.1	93.6	98.1	102.6	130.4	166.1	166.8
57.5°	73.2	73.6	61.0	49.7	42.4	35.1	42.4	49.7	61.0	73.6	73.2
60°	39.9	38.8	26.2	15.0	8.4	1.7	8.4	15.0	26.2	38.8	39.9
62.5°	22.9	22.6	12.4	4.2	2.3	0.3	2.3	4.2	12.4	22.6	22.9
65°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.6	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°	1.5	2.0	2.5	2.7	3.0	2.9	3.0	2.7	2.5	2.0	1.5
90°	7.7	10.0	12.4	13.7	15.1	14.4	15.1	13.7	12.4	10.0	7.7
92.5°	15.5	19.4	22.3	24.7	25.8	25.7	25.8	24.7	22.3	19.4	15.5
95°	31.1	35.8	40.5	43.9	45.9	45.2	45.9	43.9	40.5	35.8	31.1
97.5°	48.0	54.3	59.5	62.7	64.7	66.0	64.7	62.7	59.5	54.3	48.0
100°	59.3	65.3	71.3	75.0	78.4	79.7	78.4	75.0	71.3	65.3	59.3
102.5°	68.4	76.3	82.8	86.8	89.6	91.0	89.6	86.8	82.8	76.3	68.4
105°	83.4	91.8	98.8	103.8	106.8	107.8	106.8	103.8	98.8	91.8	83.4
107.5°	98.4	107.0	113.5	119.1	122.8	124.9	122.8	119.1	113.5	107.0	98.4
110°	110.2	117.2	124.2	129.3	132.9	134.3	132.9	129.3	124.2	117.2	110.2



TEST NUMBER: P1427505

CATALOG NUMBER: SQ2W-BBM-K-025U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	120.1	127.9	135.0	140.0	144.2	146.1	144.2	140.0	135.0	127.9	120.1
115°	134.0	144.3	150.7	155.4	158.4	160.1	158.4	155.4	150.7	144.3	134.0
117.5°	145.5	156.3	163.3	166.9	168.3	169.5	168.3	166.9	163.3	156.3	145.5
120°	152.7	162.8	170.8	175.5	177.2	177.8	177.2	175.5	170.8	162.8	152.7
122.5°	159.4	168.9	176.7	182.4	185.2	185.9	185.2	182.4	176.7	168.9	159.4
125°	168.8	177.8	185.9	191.6	194.6	196.2	194.6	191.6	185.9	177.8	168.8
127.5°	176.9	186.7	194.1	199.3	202.2	203.5	202.2	199.3	194.1	186.7	176.9
130°	181.5	191.6	198.9	204.6	207.3	208.6	207.3	204.6	198.9	191.6	181.5
132.5°	185.0	195.6	203.2	208.4	211.3	212.6	211.3	208.4	203.2	195.6	185.0
135°	189.2	200.3	208.3	213.3	216.0	217.3	216.0	213.3	208.3	200.3	189.2
137.5°	192.9	202.9	211.3	216.6	219.0	219.9	219.0	216.6	211.3	202.9	192.9
140°	195.6	204.3	212.6	217.7	220.4	220.7	220.4	217.7	212.6	204.3	195.6
142.5°	199.1	205.9	213.2	218.2	220.9	221.5	220.9	218.2	213.2	205.9	199.1
145°	205.3	209.3	214.3	219.0	221.4	222.0	221.4	219.0	214.3	209.3	205.3
147.5°	213.1	214.4	217.0	220.1	222.4	222.8	222.4	220.1	217.0	214.4	213.1
150°	219.0	218.7	219.7	221.7	223.7	223.4	223.7	221.7	219.7	218.7	219.0
152.5°	225.7	223.8	223.7	224.6	225.6	225.5	225.6	224.6	223.7	223.8	225.7
155°	237.1	233.4	231.4	230.7	230.7	230.4	230.7	230.7	231.4	233.4	237.1
157.5°	249.6	244.5	241.4	239.8	239.4	238.6	239.4	239.8	241.4	244.5	249.6
160°	258.2	252.5	249.5	246.8	245.8	244.8	245.8	246.8	249.5	252.5	258.2
162.5°	266.2	260.8	257.5	255.1	254.1	252.6	254.1	255.1	257.5	260.8	266.2
165°	279.3	273.6	269.9	267.9	266.6	265.2	266.6	267.9	269.9	273.6	279.3
167.5°	292.3	286.1	283.7	281.4	280.2	277.7	280.2	281.4	283.7	286.1	292.3
170°	300.4	294.7	293.4	291.3	289.0	286.3	289.0	291.3	293.4	294.7	300.4
172.5°	307.4	303.5	302.2	300.2	299.4	297.3	299.4	300.2	302.2	303.5	307.4
175°	317.5	314.5	314.5	314.1	313.1	311.1	313.1	314.1	314.5	314.5	317.5
177.5°	325.9	324.3	325.4	325.4	325.1	323.2	325.1	325.4	325.4	324.3	325.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1427505

CATALOG NUMBER: SQ2W-BBM-K-025U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3342.7	3342.7	3342.7	3342.7
2.5°	3339.2	3349.1	3353.3	3357.5
5°	3338.3	3348.7	3352.4	3356.1
7.5°	3341.7	3349.1	3351.6	3354.1
10°	3346.6	3358.0	3358.7	3359.5
12.5°	3355.1	3371.4	3366.7	3362.1
15°	3356.7	3379.7	3367.1	3354.4
17.5°	3322.2	3352.7	3334.8	3317.0
20°	3275.8	3309.1	3288.3	3267.5
22.5°	3204.1	3236.0	3217.0	3197.9
25°	3066.3	3098.8	3086.1	3073.5
27.5°	2878.5	2904.4	2900.8	2897.3
30°	2740.7	2760.8	2760.8	2760.8
32.5°	2583.3	2598.0	2599.8	2601.6
35°	2323.8	2334.0	2325.9	2317.7
37.5°	2008.1	2016.6	2013.4	2010.3
40°	1768.6	1779.0	1778.3	1777.6
42.5°	1529.6	1536.0	1521.0	1506.0
45°	1134.9	1110.5	1044.4	978.2
47.5°	713.4	656.3	574.0	491.6
50°	452.1	375.7	326.6	277.6
52.5°	290.2	228.7	207.0	185.3
55°	132.7	105.5	99.6	93.6
57.5°	59.9	47.8	39.8	31.8
60°	29.5	19.9	12.4	5.0
62.5°	13.0	5.2	3.1	1.0
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°	1.2	0.7	0.5	0.2
90°	6.0	3.7	2.3	1.0
92.5°	13.0	9.0	6.4	3.7
95°	26.1	20.8	14.7	10.4
97.5°	41.6	33.0	27.0	19.8
100°	49.9	41.5	35.8	28.1
102.5°	59.0	52.0	44.1	36.4
105°	75.3	66.6	57.6	48.9
107.5°	90.5	80.9	70.1	62.2
110°	100.1	89.7	78.4	71.3



TEST NUMBER: P1427505

CATALOG NUMBER: SQ2W-BBM-K-025U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	109.5	98.9	87.2	80.2
115°	122.2	110.5	99.8	93.8
117.5°	134.5	122.4	111.1	106.4
120°	142.0	129.9	118.9	115.2
122.5°	148.2	136.4	126.1	124.6
125°	157.4	145.3	136.6	138.6
127.5°	164.9	153.8	148.4	152.8
130°	169.4	159.7	156.4	162.8
132.5°	173.5	165.9	164.4	173.2
135°	179.5	175.1	176.5	188.5
137.5°	186.7	185.0	189.5	204.7
140°	191.2	192.2	198.6	215.7
142.5°	197.4	199.7	208.0	226.1
145°	207.0	212.0	222.7	240.8
147.5°	217.8	224.3	237.6	256.1
150°	225.0	233.4	247.5	265.2
152.5°	233.3	242.0	256.0	274.1
155°	246.1	255.8	270.6	286.0
157.5°	259.2	269.1	283.2	296.6
160°	267.2	277.9	290.7	303.1
162.5°	276.3	286.3	297.4	308.4
165°	289.7	297.7	306.7	316.1
167.5°	300.9	307.6	314.7	322.0
170°	308.1	313.4	319.5	325.2
172.5°	314.3	318.5	323.0	327.8
175°	322.5	324.8	327.5	330.5
177.5°	328.9	329.7	330.5	331.8
180°	331.5	331.5	331.5	331.5



TEST NUMBER: P1427505

CATALOG NUMBER: SQ2W-BBM-K-025U-125D-L935-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	2.39	3.32	3.02	3.94	4.64	2.62	3.55	3.25	4.17	4.87
	3H	2.21	3.03	2.86	3.66	4.40	2.44	3.26	3.09	3.89	4.63
	4H	2.11	2.87	2.78	3.52	4.27	2.34	3.10	3.01	3.75	4.50
	6H	2.01	2.71	2.69	3.36	4.13	2.24	2.94	2.92	3.59	4.36
	8H	1.95	2.61	2.64	3.28	4.05	2.18	2.84	2.87	3.51	4.28
	12H	1.90	2.52	2.59	3.19	3.98	2.13	2.75	2.82	3.42	4.21
4H	2H	2.12	2.88	2.79	3.53	4.28	2.35	3.11	3.02	3.76	4.51
	3H	1.93	2.55	2.61	3.24	4.01	2.16	2.78	2.84	3.47	4.24
	4H	1.82	2.38	2.52	3.06	3.87	2.05	2.61	2.75	3.29	4.10
	6H	1.72	2.19	2.44	2.90	3.72	1.95	2.42	2.67	3.13	3.95
	8H	1.65	2.09	2.37	2.80	3.63	1.88	2.32	2.60	3.03	3.85
	12H	1.59	1.98	2.32	2.71	3.54	1.82	2.20	2.55	2.94	3.77
8H	4H	1.65	2.09	2.37	2.80	3.63	1.88	2.32	2.60	3.03	3.85
	6H	1.53	1.89	2.28	2.64	3.47	1.76	2.12	2.51	2.87	3.70
	8H	1.46	1.78	2.23	2.54	3.39	1.69	2.01	2.46	2.77	3.61
	12H	1.40	1.68	2.16	2.43	3.34	1.63	1.91	2.39	2.66	3.57
12H	4H	1.59	1.98	2.32	2.71	3.54	1.82	2.20	2.55	2.94	3.77
	6H	1.46	1.78	2.23	2.54	3.39	1.69	2.01	2.46	2.77	3.61
	8H	1.40	1.68	2.16	2.43	3.34	1.63	1.91	2.39	2.66	3.57