

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: P1427583

Luminaire Tested: SQ2W-BBN-K-025U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427583
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-025U-075D-L935-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 750 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

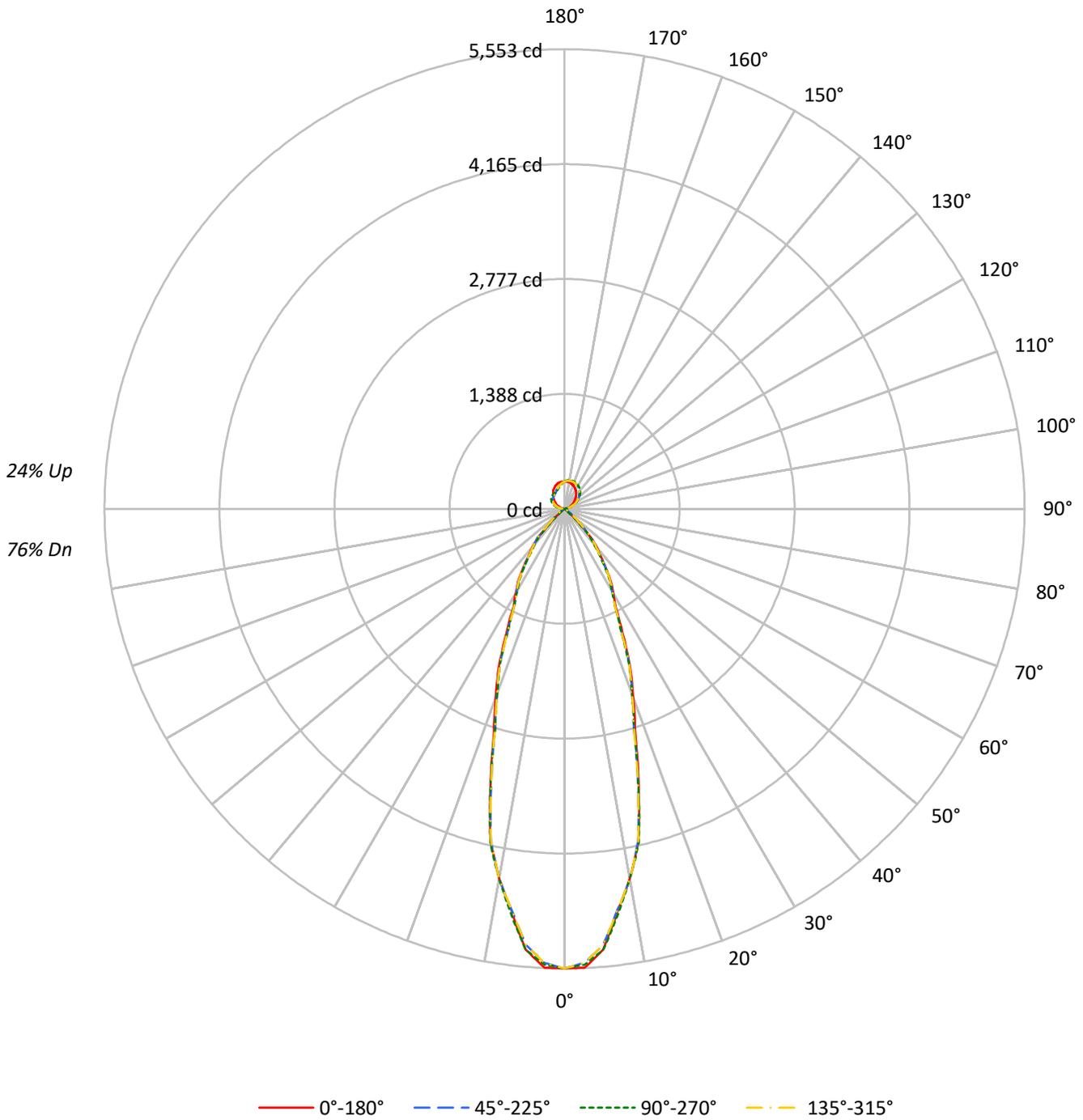
Lumens per Lamp: N/A
Luminaire Lumens: 3971.1 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 35.1
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	108	108	108	108	98	98	98	88	88	88	80	80	80	80	80	80	76	
1	107	104	101	99	102	100	97	95	91	89	88	83	82	81	76	75	75	75	75	75	71	
2	101	96	92	88	97	92	89	85	85	82	80	78	76	75	72	71	70	70	70	70	67	
3	96	89	84	80	92	86	81	77	80	76	73	74	71	69	69	67	65	65	65	65	62	
4	90	83	77	72	87	80	75	71	75	71	67	70	67	64	65	63	61	61	61	61	58	
5	86	77	71	67	82	75	69	65	70	66	62	66	62	60	62	59	57	57	57	57	55	
6	81	72	66	62	78	70	64	60	66	61	58	62	59	56	59	56	54	54	54	54	52	
7	77	68	61	57	74	66	60	56	62	58	54	59	55	52	56	53	50	50	50	50	49	
8	73	64	58	53	71	62	56	53	59	54	51	56	52	49	53	50	48	48	48	48	46	
9	70	60	54	50	67	59	53	49	56	51	48	53	49	47	51	48	45	45	45	45	44	
10	66	57	51	47	64	55	50	47	53	48	45	51	47	44	48	45	43	43	43	43	41	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	89661	89661	89661	89661
5°	86662	86710	86662	86710
10°	74374	74374	74374	74374
15°	57727	57594	57727	57594
20°	41664	40769	41664	40769
25°	29542	28418	29542	28418
30°	21979	21214	21979	21214
35°	17102	16312	17102	16312
40°	12656	11558	12656	11558
45°	6466	5211	6466	5211
50°	1407	1030	1407	1030
55°	394	310	394	310
60°	65	32	65	32
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: 7889 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.2	12.1
10°-20°	946.8	23.8
20°-30°	763.7	19.2
30°-40°	530.5	13.4
40°-50°	245.1	6.2
50°-60°	34.3	0.9
60°-70°	1.2	0.0
70°-80°	0.0	0.0
80°-90°	1.8	0.0
90°-100°	26.4	0.7
100°-110°	76.9	1.9
110°-120°	125.6	3.2
120°-130°	159.3	4.0
130°-140°	170.5	4.3
140°-150°	159.2	4.0
150°-160°	131.0	3.3
160°-170°	87.9	2.2
170°-180°	31.2	0.8
0°-30°	2190.7	55.2
0°-40°	2721.2	68.5
0°-60°	3000.6	75.6
0°-90°	3003.5	75.6
90°-120°	228.9	5.8
90°-150°	717.9	18.1
90°-180°	968.0	24.4
0°-180°	3971.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5553	5553	5553	5553	5553	
5°	5347	5350	5347	5350	5347	481
15°	3454	3446	3454	3446	3454	951
25°	1658	1595	1658	1595	1658	776
35°	868	828	868	828	868	543
45°	283	228	283	228	283	229
55°	14	11	14	11	14	18
65°	0	0	0	0	0	0
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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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3
2.5°	5550.1	5540.8	5531.6	5513.2	5491.9	5491.0	5510.6	5523.7	5517.7	5511.6	5517.7
5°	5347.1	5334.2	5321.3	5305.7	5289.3	5295.5	5324.4	5346.5	5348.3	5350.1	5348.3
7.5°	4899.2	4903.3	4907.5	4896.8	4881.2	4889.3	4921.4	4944.5	4941.1	4937.6	4941.1
10°	4536.5	4539.6	4542.7	4542.1	4540.4	4544.8	4555.5	4560.5	4548.5	4536.5	4548.5
12.5°	4116.2	4128.5	4140.9	4126.6	4103.5	4099.9	4116.0	4129.2	4134.3	4139.4	4134.3
15°	3453.6	3473.7	3493.7	3465.3	3420.8	3409.3	3430.6	3446.5	3446.1	3445.6	3446.1
17.5°	2832.4	2830.3	2828.3	2810.8	2788.1	2778.7	2782.7	2785.4	2784.1	2782.7	2784.1
20°	2424.9	2421.7	2418.6	2403.5	2384.4	2373.3	2370.2	2368.4	2370.6	2372.8	2370.6
22.5°	2075.8	2070.5	2065.3	2059.0	2052.3	2045.1	2037.4	2032.3	2035.2	2038.2	2035.2
25°	1658.3	1641.4	1624.5	1610.9	1598.4	1597.6	1608.2	1613.9	1604.6	1595.2	1604.6
27.5°	1331.0	1330.8	1330.5	1322.5	1311.9	1307.2	1308.3	1309.6	1311.4	1313.2	1311.4
30°	1178.9	1175.8	1172.7	1164.2	1154.0	1149.1	1149.5	1148.5	1143.2	1137.9	1143.2
32.5°	1043.6	1045.8	1048.0	1039.1	1026.3	1018.8	1016.4	1013.2	1007.9	1002.6	1007.9
35°	867.7	867.7	867.7	860.3	850.5	842.3	835.6	830.3	829.0	827.6	829.0
37.5°	704.5	703.7	702.9	697.5	690.6	682.4	673.0	665.0	661.6	658.1	661.6
40°	600.5	598.2	596.0	592.1	587.7	579.7	568.1	558.2	553.3	548.4	553.3
42.5°	482.0	487.9	493.9	492.0	487.6	479.6	468.0	457.5	450.1	442.7	450.1
45°	283.2	308.1	333.0	341.9	345.5	340.6	327.3	307.3	267.8	228.2	267.8
47.5°	121.7	149.1	176.5	199.5	221.0	214.2	179.1	144.5	111.6	78.7	111.6
50°	56.0	77.4	98.7	127.4	158.6	152.1	108.1	71.3	56.2	41.0	56.2
52.5°	32.8	43.5	54.2	81.0	113.2	110.3	72.3	41.8	33.8	25.8	33.8
55°	14.0	17.6	21.1	35.7	53.9	53.0	33.0	17.2	14.1	11.0	14.1
57.5°	5.2	7.2	9.1	14.3	20.7	20.3	13.1	7.4	5.8	4.2	5.8
60°	2.0	2.9	3.8	6.3	9.5	9.2	5.7	2.8	1.9	1.0	1.9
62.5°	0.4	0.9	1.5	2.9	4.6	4.5	2.7	1.3	0.7	0.2	0.7
65°	0.0	0.0	0.0	0.3	0.8	0.8	0.3	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



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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°	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3
2.5°	5523.7	5510.6	5491.0	5491.9	5513.2	5531.6	5540.8	5550.1	5540.8	5531.6	5513.2
5°	5346.5	5324.4	5295.5	5289.3	5305.7	5321.3	5334.2	5347.1	5334.2	5321.3	5305.7
7.5°	4944.5	4921.4	4889.3	4881.2	4896.8	4907.5	4903.3	4899.2	4903.3	4907.5	4896.8
10°	4560.5	4555.5	4544.8	4540.4	4542.1	4542.7	4539.6	4536.5	4539.6	4542.7	4542.1
12.5°	4129.2	4116.0	4099.9	4103.5	4126.6	4140.9	4128.5	4116.2	4128.5	4140.9	4126.6
15°	3446.5	3430.6	3409.3	3420.8	3465.3	3493.7	3473.7	3453.6	3473.7	3493.7	3465.3
17.5°	2785.4	2782.7	2778.7	2788.1	2810.8	2828.3	2830.3	2832.4	2830.3	2828.3	2810.8
20°	2368.4	2370.2	2373.3	2384.4	2403.5	2418.6	2421.7	2424.9	2421.7	2418.6	2403.5
22.5°	2032.3	2037.4	2045.1	2052.3	2059.0	2065.3	2070.5	2075.8	2070.5	2065.3	2059.0
25°	1613.9	1608.2	1597.6	1598.4	1610.9	1624.5	1641.4	1658.3	1641.4	1624.5	1610.9
27.5°	1309.6	1308.3	1307.2	1311.9	1322.5	1330.5	1330.8	1331.0	1330.8	1330.5	1322.5
30°	1148.5	1149.5	1149.1	1154.0	1164.2	1172.7	1175.8	1178.9	1175.8	1172.7	1164.2
32.5°	1013.2	1016.4	1018.8	1026.3	1039.1	1048.0	1045.8	1043.6	1045.8	1048.0	1039.1
35°	830.3	835.6	842.3	850.5	860.3	867.7	867.7	867.7	867.7	867.7	860.3
37.5°	665.0	673.0	682.4	690.6	697.5	702.9	703.7	704.5	703.7	702.9	697.5
40°	558.2	568.1	579.7	587.7	592.1	596.0	598.2	600.5	598.2	596.0	592.1
42.5°	457.5	468.0	479.6	487.6	492.0	493.9	487.9	482.0	487.9	493.9	492.0
45°	307.3	327.3	340.6	345.5	341.9	333.0	308.1	283.2	308.1	333.0	341.9
47.5°	144.5	179.1	214.2	221.0	199.5	176.5	149.1	121.7	149.1	176.5	199.5
50°	71.3	108.1	152.1	158.6	127.4	98.7	77.4	56.0	77.4	98.7	127.4
52.5°	41.8	72.3	110.3	113.2	81.0	54.2	43.5	32.8	43.5	54.2	81.0
55°	17.2	33.0	53.0	53.9	35.7	21.1	17.6	14.0	17.6	21.1	35.7
57.5°	7.4	13.1	20.3	20.7	14.3	9.1	7.2	5.2	7.2	9.1	14.3
60°	2.8	5.7	9.2	9.5	6.3	3.8	2.9	2.0	2.9	3.8	6.3
62.5°	1.3	2.7	4.5	4.6	2.9	1.5	0.9	0.4	0.9	1.5	2.9
65°	0.0	0.3	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.3
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°	1.4	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: P1427583

CATALOG NUMBER: SQ2W-BBN-K-025U-075D-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: P1427583

CATALOG NUMBER: SQ2W-BBN-K-025U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3
2.5°	5491.9	5491.0	5510.6	5523.7	5517.7	5511.6	5517.7	5523.7	5510.6	5491.0	5491.9
5°	5289.3	5295.5	5324.4	5346.5	5348.3	5350.1	5348.3	5346.5	5324.4	5295.5	5289.3
7.5°	4881.2	4889.3	4921.4	4944.5	4941.1	4937.6	4941.1	4944.5	4921.4	4889.3	4881.2
10°	4540.4	4544.8	4555.5	4560.5	4548.5	4536.5	4548.5	4560.5	4555.5	4544.8	4540.4
12.5°	4103.5	4099.9	4116.0	4129.2	4134.3	4139.4	4134.3	4129.2	4116.0	4099.9	4103.5
15°	3420.8	3409.3	3430.6	3446.5	3446.1	3445.6	3446.1	3446.5	3430.6	3409.3	3420.8
17.5°	2788.1	2778.7	2782.7	2785.4	2784.1	2782.7	2784.1	2785.4	2782.7	2778.7	2788.1
20°	2384.4	2373.3	2370.2	2368.4	2370.6	2372.8	2370.6	2368.4	2370.2	2373.3	2384.4
22.5°	2052.3	2045.1	2037.4	2032.3	2035.2	2038.2	2035.2	2032.3	2037.4	2045.1	2052.3
25°	1598.4	1597.6	1608.2	1613.9	1604.6	1595.2	1604.6	1613.9	1608.2	1597.6	1598.4
27.5°	1311.9	1307.2	1308.3	1309.6	1311.4	1313.2	1311.4	1309.6	1308.3	1307.2	1311.9
30°	1154.0	1149.1	1149.5	1148.5	1143.2	1137.9	1143.2	1148.5	1149.5	1149.1	1154.0
32.5°	1026.3	1018.8	1016.4	1013.2	1007.9	1002.6	1007.9	1013.2	1016.4	1018.8	1026.3
35°	850.5	842.3	835.6	830.3	829.0	827.6	829.0	830.3	835.6	842.3	850.5
37.5°	690.6	682.4	673.0	665.0	661.6	658.1	661.6	665.0	673.0	682.4	690.6
40°	587.7	579.7	568.1	558.2	553.3	548.4	553.3	558.2	568.1	579.7	587.7
42.5°	487.6	479.6	468.0	457.5	450.1	442.7	450.1	457.5	468.0	479.6	487.6
45°	345.5	340.6	327.3	307.3	267.8	228.2	267.8	307.3	327.3	340.6	345.5
47.5°	221.0	214.2	179.1	144.5	111.6	78.7	111.6	144.5	179.1	214.2	221.0
50°	158.6	152.1	108.1	71.3	56.2	41.0	56.2	71.3	108.1	152.1	158.6
52.5°	113.2	110.3	72.3	41.8	33.8	25.8	33.8	41.8	72.3	110.3	113.2
55°	53.9	53.0	33.0	17.2	14.1	11.0	14.1	17.2	33.0	53.0	53.9
57.5°	20.7	20.3	13.1	7.4	5.8	4.2	5.8	7.4	13.1	20.3	20.7
60°	9.5	9.2	5.7	2.8	1.9	1.0	1.9	2.8	5.7	9.2	9.5
62.5°	4.6	4.5	2.7	1.3	0.7	0.2	0.7	1.3	2.7	4.5	4.6
65°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.8
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: P1427583

CATALOG NUMBER: SQ2W-BBN-K-025U-075D-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: P1427583

CATALOG NUMBER: SQ2W-BBN-K-025U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	5553.3	5553.3	5553.3	5553.3
2.5°	5513.2	5531.6	5540.8	5550.1
5°	5305.7	5321.3	5334.2	5347.1
7.5°	4896.8	4907.5	4903.3	4899.2
10°	4542.1	4542.7	4539.6	4536.5
12.5°	4126.6	4140.9	4128.5	4116.2
15°	3465.3	3493.7	3473.7	3453.6
17.5°	2810.8	2828.3	2830.3	2832.4
20°	2403.5	2418.6	2421.7	2424.9
22.5°	2059.0	2065.3	2070.5	2075.8
25°	1610.9	1624.5	1641.4	1658.3
27.5°	1322.5	1330.5	1330.8	1331.0
30°	1164.2	1172.7	1175.8	1178.9
32.5°	1039.1	1048.0	1045.8	1043.6
35°	860.3	867.7	867.7	867.7
37.5°	697.5	702.9	703.7	704.5
40°	592.1	596.0	598.2	600.5
42.5°	492.0	493.9	487.9	482.0
45°	341.9	333.0	308.1	283.2
47.5°	199.5	176.5	149.1	121.7
50°	127.4	98.7	77.4	56.0
52.5°	81.0	54.2	43.5	32.8
55°	35.7	21.1	17.6	14.0
57.5°	14.3	9.1	7.2	5.2
60°	6.3	3.8	2.9	2.0
62.5°	2.9	1.5	0.9	0.4
65°	0.3	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: P1427583

CATALOG NUMBER: SQ2W-BBN-K-025U-075D-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: P1427583

CATALOG NUMBER: SQ2W-BBN-K-025U-075D-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	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