

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1428590

Luminaire Tested: SQ2W-WBN-K-025U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428590
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBN-K-025U-075D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

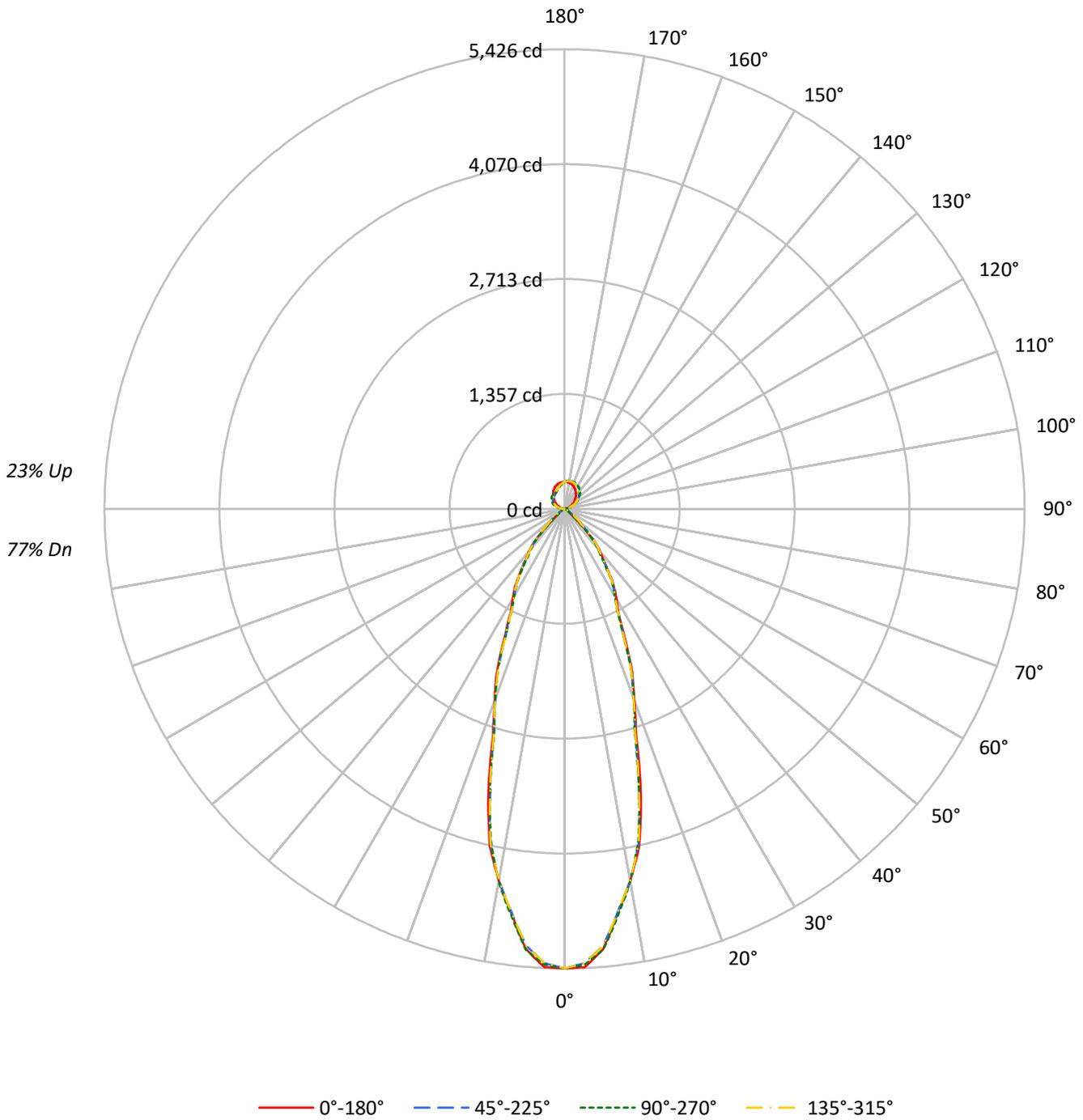
Lumens per Lamp: N/A
Luminaire Lumens: 4082.8 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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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CATALOG NUMBER: SQ2W-WBN-K-025U-075D-L930-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	114	114	114	114	108	108	108	108	98	98	98	89	89	89	81	81	81	77
1	107	104	101	99	102	100	97	95	92	90	88	84	83	82	77	76	75	72
2	101	96	91	88	97	92	88	85	85	82	80	79	77	75	73	71	70	67
3	95	88	83	79	91	85	80	77	79	76	72	74	71	69	69	67	65	62
4	90	82	76	71	86	79	74	70	74	70	67	69	66	63	65	62	60	58
5	85	76	70	65	82	74	68	64	69	65	61	65	62	59	62	59	56	54
6	80	71	65	60	77	69	63	59	65	60	57	62	58	55	58	55	53	51
7	76	67	60	56	73	65	59	55	61	57	53	58	54	51	55	52	50	48
8	72	62	56	52	70	61	55	51	58	53	50	55	51	48	53	49	47	45
9	69	59	53	49	66	58	52	48	55	50	47	52	48	45	50	47	44	43
10	66	56	50	46	63	54	49	45	52	47	44	50	46	43	48	44	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	87598	87598	87598	87598
5°	84577	84671	84577	84671
10°	73105	73279	73105	73279
15°	58174	56566	58174	56566
20°	41326	41078	41326	41078
25°	29731	28943	29731	28943
30°	22717	22053	22717	22053
35°	17832	17073	17832	17073
40°	13510	12678	13510	12678
45°	7560	6747	7560	6747
50°	2660	2346	2660	2346
55°	1624	1545	1624	1545
60°	1243	1150	1243	1150
65°	1138	1066	1138	1066
70°	1090	1001	1090	1001
75°	1023	961	1023	961
80°	893	893	893	893
85°	889	704	889	704

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 8964 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.0	11.5
10°-20°	936.0	22.9
20°-30°	775.2	19.0
30°-40°	557.6	13.7
40°-50°	284.1	7.0
50°-60°	73.9	1.8
60°-70°	30.7	0.8
70°-80°	17.0	0.4
80°-90°	6.4	0.2
90°-100°	25.4	0.6
100°-110°	74.0	1.8
110°-120°	120.8	3.0
120°-130°	153.3	3.8
130°-140°	164.0	4.0
140°-150°	153.1	3.8
150°-160°	126.0	3.1
160°-170°	84.5	2.1
170°-180°	30.0	0.7
0°-30°	2182.1	53.4
0°-40°	2739.8	67.1
0°-60°	3097.7	75.9
0°-90°	3151.8	77.2
90°-120°	220.2	5.4
90°-150°	690.5	16.9
90°-180°	931.0	22.8
0°-180°	4082.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5426	5426	5426	5426	5426	
5°	5218	5224	5218	5224	5218	471
15°	3480	3384	3480	3384	3480	945
25°	1669	1625	1669	1625	1669	785
35°	905	866	905	866	905	568
45°	331	296	331	296	331	265
55°	58	55	58	55	58	57
65°	30	28	30	28	30	30
75°	16	15	16	15	16	17
85°	5	4	5	4	5	5
90°	1	7	1	14	1	1
95°	10	7	10	44	10	12
105°	47	75	47	104	47	50
115°	90	125	90	154	90	89
125°	133	198	133	189	133	119
135°	181	259	181	209	181	140
145°	232	299	232	214	232	145
155°	275	325	275	222	275	126
165°	304	338	304	255	304	86
175°	318	331	318	299	318	30
180°	319	319	319	319	319	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5
2.5°	5417.0	5412.9	5408.8	5390.6	5367.6	5365.8	5384.9	5398.1	5393.3	5388.5	5393.3
5°	5218.5	5215.1	5211.7	5196.1	5176.4	5183.3	5216.6	5239.7	5232.0	5224.3	5232.0
7.5°	4808.7	4811.6	4814.5	4806.5	4794.9	4803.8	4833.4	4853.4	4845.2	4837.0	4845.2
10°	4459.1	4466.8	4474.5	4463.6	4446.5	4459.6	4502.8	4527.9	4498.8	4469.7	4498.8
12.5°	4073.4	4068.4	4063.5	4053.5	4041.9	4039.5	4046.4	4047.6	4031.5	4015.4	4031.5
15°	3480.3	3462.3	3444.4	3416.8	3386.0	3375.9	3386.6	3393.5	3388.8	3384.1	3388.8
17.5°	2803.3	2810.2	2817.2	2798.5	2771.3	2757.2	2756.1	2754.0	2748.7	2743.4	2748.7
20°	2405.2	2407.4	2409.5	2397.8	2381.6	2377.7	2386.3	2392.5	2391.6	2390.8	2391.6
22.5°	2084.9	2085.3	2085.8	2070.3	2049.6	2045.6	2058.3	2065.9	2058.2	2050.5	2058.2
25°	1668.9	1667.6	1666.4	1656.1	1642.8	1633.0	1626.6	1622.1	1623.4	1624.7	1623.4
27.5°	1368.6	1363.3	1358.0	1349.3	1339.3	1336.5	1340.8	1343.2	1340.0	1336.9	1340.0
30°	1218.5	1214.2	1209.9	1201.2	1190.9	1187.1	1189.6	1190.6	1186.7	1182.9	1186.7
32.5°	1083.7	1083.9	1084.1	1076.2	1065.6	1059.7	1058.5	1056.9	1054.0	1051.2	1054.0
35°	904.7	907.3	909.9	903.4	894.0	886.1	879.7	873.9	870.1	866.2	870.1
37.5°	745.0	747.4	749.7	744.4	736.4	727.7	718.3	710.5	707.2	704.0	707.2
40°	641.0	642.7	644.4	640.7	635.1	626.8	615.7	606.7	604.1	601.5	604.1
42.5°	527.8	535.0	542.2	539.8	534.3	526.3	515.8	506.6	500.9	495.3	500.9
45°	331.1	353.8	376.4	386.6	392.6	389.8	378.3	361.4	328.4	295.5	328.4
47.5°	167.5	198.9	230.3	252.8	272.4	266.2	234.1	201.9	169.6	137.2	169.6
50°	105.9	127.7	149.5	177.1	206.6	200.2	157.8	122.4	107.9	93.4	107.9
52.5°	81.2	92.4	103.6	129.9	161.1	158.1	120.9	91.0	82.9	74.9	82.9
55°	57.7	62.0	66.3	80.8	98.8	97.7	77.6	61.7	58.3	54.9	58.3
57.5°	44.7	47.1	49.4	54.9	61.3	60.7	53.1	46.8	44.7	42.5	44.7
60°	38.5	40.2	41.9	44.6	47.6	47.2	43.3	39.9	37.8	35.6	37.8
62.5°	34.6	35.7	36.7	37.9	39.2	38.6	36.1	34.1	33.3	32.5	33.3
65°	29.8	30.3	30.7	30.8	30.8	30.4	29.5	28.8	28.3	27.9	28.3
67.5°	25.4	25.8	26.3	26.3	26.2	26.0	25.5	25.1	24.7	24.3	24.7
70°	23.1	23.5	24.0	23.7	23.3	22.9	22.5	22.0	21.6	21.2	21.6
72.5°	20.0	20.4	20.9	20.7	20.2	20.0	19.9	19.7	19.3	18.9	19.3
75°	16.4	16.4	16.4	16.4	16.4	16.1	15.7	15.4	15.4	15.4	15.4
77.5°	12.7	12.8	12.9	12.6	12.1	11.9	11.9	11.8	11.5	11.2	11.5
80°	9.6	10.1	10.5	10.3	9.8	9.6	9.6	9.6	9.6	9.6	9.6
82.5°	8.1	8.2	8.3	8.0	7.5	7.3	7.3	7.3	7.3	7.3	7.3
85°	4.8	4.8	4.8	4.5	4.1	4.1	4.5	4.7	4.3	3.8	4.3
87.5°	1.7	2.0	2.3	2.6	2.8	2.8	2.8	2.9	3.0	3.0	3.0
90°	1.0	2.3	3.9	5.2	6.1	6.4	6.4	6.8	7.1	7.1	7.1
92.5°	3.5	5.6	5.7	5.7	6.9	7.5	8.0	8.1	8.4	8.4	8.4
95°	10.0	11.0	16.4	16.1	11.0	8.7	7.4	7.4	7.4	7.4	7.4
97.5°	19.1	20.5	21.4	28.7	30.3	29.2	23.8	20.0	17.9	16.9	17.9
100°	27.1	27.7	29.6	30.0	38.0	45.7	41.9	37.0	35.4	34.5	35.4
102.5°	35.0	35.4	38.4	39.7	41.6	46.0	59.4	57.9	56.8	56.6	56.8
105°	47.0	47.3	52.8	55.4	56.7	56.7	56.4	62.8	73.1	75.4	73.1
107.5°	59.8	61.3	67.8	74.7	76.1	76.5	74.9	73.9	73.5	73.8	73.5
110°	68.6	70.9	78.6	87.3	89.5	90.2	89.5	88.6	87.9	87.9	87.9

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	77.1	80.4	89.2	99.1	102.9	104.9	103.5	102.7	102.1	102.6	102.1
115°	90.2	95.0	106.6	116.9	124.6	125.6	125.3	125.3	125.0	125.0	125.0
117.5°	102.3	110.0	123.0	135.0	144.0	146.5	147.8	147.5	147.1	147.7	147.1
120°	110.8	119.8	134.6	148.2	156.9	160.7	162.0	161.4	162.0	161.4	162.0
122.5°	119.8	130.9	145.5	159.5	169.7	174.1	175.7	175.8	175.9	175.5	175.9
125°	133.3	146.9	163.9	178.4	189.1	194.2	195.5	195.8	196.5	198.1	196.5
127.5°	147.0	162.3	181.1	195.1	205.9	212.2	214.2	214.9	216.2	217.0	216.2
130°	156.5	173.9	192.9	206.1	216.8	223.5	227.1	228.0	229.6	229.3	229.6
132.5°	166.6	184.7	204.0	217.7	227.6	234.9	237.9	240.7	241.2	241.7	241.2
135°	181.3	201.0	220.3	233.8	243.2	250.3	254.1	256.7	258.3	259.3	258.3
137.5°	196.9	217.6	236.2	248.2	257.6	263.7	268.1	270.8	272.5	273.3	272.5
140°	207.4	227.4	245.4	258.0	266.4	272.5	276.3	279.6	281.5	281.5	281.5
142.5°	217.5	237.2	254.7	267.3	274.6	280.2	284.3	286.8	289.0	289.0	289.0
145°	231.6	251.2	267.3	279.9	286.0	291.2	295.7	297.6	298.9	298.9	298.9
147.5°	246.3	263.7	278.4	290.5	295.6	301.7	305.2	306.8	308.4	307.7	308.4
150°	255.1	271.2	285.4	296.6	301.8	307.6	311.1	312.4	314.0	313.1	314.0
152.5°	263.6	278.9	291.8	302.3	306.7	312.5	316.5	317.8	318.9	318.2	318.9
155°	275.1	288.6	300.5	310.2	314.0	319.5	323.4	325.0	326.3	324.7	326.3
157.5°	285.3	297.0	307.3	316.2	320.3	325.0	328.7	330.7	331.9	331.2	331.9
160°	291.5	302.1	311.5	319.8	323.7	327.9	331.7	334.0	335.3	334.3	335.3
162.5°	296.6	306.2	315.1	322.7	326.0	329.7	334.3	336.3	337.6	336.4	337.6
165°	304.0	311.8	319.5	326.0	328.8	331.7	336.6	338.8	339.8	338.5	339.8
167.5°	309.7	315.6	321.8	327.4	329.5	332.3	337.2	339.0	340.3	338.6	340.3
170°	312.7	317.9	323.4	327.9	329.5	332.1	336.9	338.5	339.5	337.9	339.5
172.5°	315.3	319.2	323.6	327.6	328.5	330.5	335.1	336.7	337.4	336.1	337.4
175°	317.9	320.2	323.4	326.0	325.6	326.9	330.8	332.1	333.4	331.4	333.4
177.5°	319.1	320.2	321.2	322.7	321.7	321.7	324.5	325.3	325.6	324.5	325.6
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5
2.5°	5398.1	5384.9	5365.8	5367.6	5390.6	5408.8	5412.9	5417.0	5412.9	5408.8	5390.6
5°	5239.7	5216.6	5183.3	5176.4	5196.1	5211.7	5215.1	5218.5	5215.1	5211.7	5196.1
7.5°	4853.4	4833.4	4803.8	4794.9	4806.5	4814.5	4811.6	4808.7	4811.6	4814.5	4806.5
10°	4527.9	4502.8	4459.6	4446.5	4463.6	4474.5	4466.8	4459.1	4466.8	4474.5	4463.6
12.5°	4047.6	4046.4	4039.5	4041.9	4053.5	4063.5	4068.4	4073.4	4068.4	4063.5	4053.5
15°	3393.5	3386.6	3375.9	3386.0	3416.8	3444.4	3462.3	3480.3	3462.3	3444.4	3416.8
17.5°	2754.0	2756.1	2757.2	2771.3	2798.5	2817.2	2810.2	2803.3	2810.2	2817.2	2798.5
20°	2392.5	2386.3	2377.7	2381.6	2397.8	2409.5	2407.4	2405.2	2407.4	2409.5	2397.8
22.5°	2065.9	2058.3	2045.6	2049.6	2070.3	2085.8	2085.3	2084.9	2085.3	2085.8	2070.3
25°	1622.1	1626.6	1633.0	1642.8	1656.1	1666.4	1667.6	1668.9	1667.6	1666.4	1656.1
27.5°	1343.2	1340.8	1336.5	1339.3	1349.3	1358.0	1363.3	1368.6	1363.3	1358.0	1349.3
30°	1190.6	1189.6	1187.1	1190.9	1201.2	1209.9	1214.2	1218.5	1214.2	1209.9	1201.2
32.5°	1056.9	1058.5	1059.7	1065.6	1076.2	1084.1	1083.9	1083.7	1083.9	1084.1	1076.2
35°	873.9	879.7	886.1	894.0	903.4	909.9	907.3	904.7	907.3	909.9	903.4
37.5°	710.5	718.3	727.7	736.4	744.4	749.7	747.4	745.0	747.4	749.7	744.4
40°	606.7	615.7	626.8	635.1	640.7	644.4	642.7	641.0	642.7	644.4	640.7
42.5°	506.6	515.8	526.3	534.3	539.8	542.2	535.0	527.8	535.0	542.2	539.8
45°	361.4	378.3	389.8	392.6	386.6	376.4	353.8	331.1	353.8	376.4	386.6
47.5°	201.9	234.1	266.2	272.4	252.8	230.3	198.9	167.5	198.9	230.3	252.8
50°	122.4	157.8	200.2	206.6	177.1	149.5	127.7	105.9	127.7	149.5	177.1
52.5°	91.0	120.9	158.1	161.1	129.9	103.6	92.4	81.2	92.4	103.6	129.9
55°	61.7	77.6	97.7	98.8	80.8	66.3	62.0	57.7	62.0	66.3	80.8
57.5°	46.8	53.1	60.7	61.3	54.9	49.4	47.1	44.7	47.1	49.4	54.9
60°	39.9	43.3	47.2	47.6	44.6	41.9	40.2	38.5	40.2	41.9	44.6
62.5°	34.1	36.1	38.6	39.2	37.9	36.7	35.7	34.6	35.7	36.7	37.9
65°	28.8	29.5	30.4	30.8	30.8	30.7	30.3	29.8	30.3	30.7	30.8
67.5°	25.1	25.5	26.0	26.2	26.3	26.3	25.8	25.4	25.8	26.3	26.3
70°	22.0	22.5	22.9	23.3	23.7	24.0	23.5	23.1	23.5	24.0	23.7
72.5°	19.7	19.9	20.0	20.2	20.7	20.9	20.4	20.0	20.4	20.9	20.7
75°	15.4	15.7	16.1	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
77.5°	11.8	11.9	11.9	12.1	12.6	12.9	12.8	12.7	12.8	12.9	12.6
80°	9.6	9.6	9.6	9.8	10.3	10.5	10.1	9.6	10.1	10.5	10.3
82.5°	7.3	7.3	7.3	7.5	8.0	8.3	8.2	8.1	8.2	8.3	8.0
85°	4.7	4.5	4.1	4.1	4.5	4.8	4.8	4.8	4.8	4.8	4.5
87.5°	2.9	2.8	2.8	2.8	2.6	2.3	2.0	1.7	2.0	2.2	2.7
90°	6.8	6.4	6.4	6.1	5.2	3.9	2.3	1.0	2.3	3.5	5.8
92.5°	8.1	8.0	7.5	6.9	5.7	5.7	5.6	3.5	6.1	8.7	12.5
95°	7.4	7.4	8.7	11.0	16.1	16.4	11.0	10.0	14.2	20.0	25.1
97.5°	20.0	23.8	29.2	30.3	28.7	21.4	20.5	19.1	26.0	31.7	40.0
100°	37.0	41.9	45.7	38.0	30.0	29.6	27.7	27.1	34.5	39.9	48.0
102.5°	57.9	59.4	46.0	41.6	39.7	38.4	35.4	35.0	42.5	50.0	56.8
105°	62.8	56.4	56.7	56.7	55.4	52.8	47.3	47.0	55.4	64.1	72.5
107.5°	73.9	74.9	76.5	76.1	74.7	67.8	61.3	59.8	67.4	77.8	87.0
110°	88.6	89.5	90.2	89.5	87.3	78.6	70.9	68.6	75.4	86.3	96.3



TEST NUMBER: P1428590

CATALOG NUMBER: SQ2W-WBN-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	102.7	103.5	104.9	102.9	99.1	89.2	80.4	77.1	83.9	95.1	105.3
115°	125.3	125.3	125.6	124.6	116.9	106.6	95.0	90.2	96.0	106.3	117.6
117.5°	147.5	147.8	146.5	144.0	135.0	123.0	110.0	102.3	106.9	117.8	129.3
120°	161.4	162.0	160.7	156.9	148.2	134.6	119.8	110.8	114.3	125.0	136.6
122.5°	175.8	175.7	174.1	169.7	159.5	145.5	130.9	119.8	121.3	131.2	142.5
125°	195.8	195.5	194.2	189.1	178.4	163.9	146.9	133.3	131.4	139.8	151.4
127.5°	214.9	214.2	212.2	205.9	195.1	181.1	162.3	147.0	142.7	148.0	158.6
130°	228.0	227.1	223.5	216.8	206.1	192.9	173.9	156.5	150.4	153.6	163.0
132.5°	240.7	237.9	234.9	227.6	217.7	204.0	184.7	166.6	158.1	159.6	166.8
135°	256.7	254.1	250.3	243.2	233.8	220.3	201.0	181.3	169.7	168.5	172.6
137.5°	270.8	268.1	263.7	257.6	248.2	236.2	217.6	196.9	182.2	177.9	179.5
140°	279.6	276.3	272.5	266.4	258.0	245.4	227.4	207.4	191.0	184.9	183.9
142.5°	286.8	284.3	280.2	274.6	267.3	254.7	237.2	217.5	200.0	192.1	189.8
145°	297.6	295.7	291.2	286.0	279.9	267.3	251.2	231.6	214.2	203.9	199.0
147.5°	306.8	305.2	301.7	295.6	290.5	278.4	263.7	246.3	228.5	215.7	209.5
150°	312.4	311.1	307.6	301.8	296.6	285.4	271.2	255.1	238.0	224.5	216.4
152.5°	317.8	316.5	312.5	306.7	302.3	291.8	278.9	263.6	246.3	232.7	224.4
155°	325.0	323.4	319.5	314.0	310.2	300.5	288.6	275.1	260.2	246.1	236.7
157.5°	330.7	328.7	325.0	320.3	316.2	307.3	297.0	285.3	272.4	258.8	249.3
160°	334.0	331.7	327.9	323.7	319.8	311.5	302.1	291.5	279.6	267.3	257.0
162.5°	336.3	334.3	329.7	326.0	322.7	315.1	306.2	296.6	286.0	275.3	265.8
165°	338.8	336.6	331.7	328.8	326.0	319.5	311.8	304.0	295.0	286.3	278.6
167.5°	339.0	337.2	332.3	329.5	327.4	321.8	315.6	309.7	302.6	295.8	289.4
170°	338.5	336.9	332.1	329.5	327.9	323.4	317.9	312.7	307.3	301.5	296.3
172.5°	336.7	335.1	330.5	328.5	327.6	323.6	319.2	315.3	310.6	306.4	302.2
175°	332.1	330.8	326.9	325.6	326.0	323.4	320.2	317.9	315.0	312.4	310.2
177.5°	325.3	324.5	321.7	321.7	322.7	321.2	320.2	319.1	317.8	317.1	316.3
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1428590

CATALOG NUMBER: SQ2W-WBN-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5
2.5°	5367.6	5365.8	5384.9	5398.1	5393.3	5388.5	5393.3	5398.1	5384.9	5365.8	5367.6
5°	5176.4	5183.3	5216.6	5239.7	5232.0	5224.3	5232.0	5239.7	5216.6	5183.3	5176.4
7.5°	4794.9	4803.8	4833.4	4853.4	4845.2	4837.0	4845.2	4853.4	4833.4	4803.8	4794.9
10°	4446.5	4459.6	4502.8	4527.9	4498.8	4469.7	4498.8	4527.9	4502.8	4459.6	4446.5
12.5°	4041.9	4039.5	4046.4	4047.6	4031.5	4015.4	4031.5	4047.6	4046.4	4039.5	4041.9
15°	3386.0	3375.9	3386.6	3393.5	3388.8	3384.1	3388.8	3393.5	3386.6	3375.9	3386.0
17.5°	2771.3	2757.2	2756.1	2754.0	2748.7	2743.4	2748.7	2754.0	2756.1	2757.2	2771.3
20°	2381.6	2377.7	2386.3	2392.5	2391.6	2390.8	2391.6	2392.5	2386.3	2377.7	2381.6
22.5°	2049.6	2045.6	2058.3	2065.9	2058.2	2050.5	2058.2	2065.9	2058.3	2045.6	2049.6
25°	1642.8	1633.0	1626.6	1622.1	1623.4	1624.7	1623.4	1622.1	1626.6	1633.0	1642.8
27.5°	1339.3	1336.5	1340.8	1343.2	1340.0	1336.9	1340.0	1343.2	1340.8	1336.5	1339.3
30°	1190.9	1187.1	1189.6	1190.6	1186.7	1182.9	1186.7	1190.6	1189.6	1187.1	1190.9
32.5°	1065.6	1059.7	1058.5	1056.9	1054.0	1051.2	1054.0	1056.9	1058.5	1059.7	1065.6
35°	894.0	886.1	879.7	873.9	870.1	866.2	870.1	873.9	879.7	886.1	894.0
37.5°	736.4	727.7	718.3	710.5	707.2	704.0	707.2	710.5	718.3	727.7	736.4
40°	635.1	626.8	615.7	606.7	604.1	601.5	604.1	606.7	615.7	626.8	635.1
42.5°	534.3	526.3	515.8	506.6	500.9	495.3	500.9	506.6	515.8	526.3	534.3
45°	392.6	389.8	378.3	361.4	328.4	295.5	328.4	361.4	378.3	389.8	392.6
47.5°	272.4	266.2	234.1	201.9	169.6	137.2	169.6	201.9	234.1	266.2	272.4
50°	206.6	200.2	157.8	122.4	107.9	93.4	107.9	122.4	157.8	200.2	206.6
52.5°	161.1	158.1	120.9	91.0	82.9	74.9	82.9	91.0	120.9	158.1	161.1
55°	98.8	97.7	77.6	61.7	58.3	54.9	58.3	61.7	77.6	97.7	98.8
57.5°	61.3	60.7	53.1	46.8	44.7	42.5	44.7	46.8	53.1	60.7	61.3
60°	47.6	47.2	43.3	39.9	37.8	35.6	37.8	39.9	43.3	47.2	47.6
62.5°	39.2	38.6	36.1	34.1	33.3	32.5	33.3	34.1	36.1	38.6	39.2
65°	30.8	30.4	29.5	28.8	28.3	27.9	28.3	28.8	29.5	30.4	30.8
67.5°	26.2	26.0	25.5	25.1	24.7	24.3	24.7	25.1	25.5	26.0	26.2
70°	23.3	22.9	22.5	22.0	21.6	21.2	21.6	22.0	22.5	22.9	23.3
72.5°	20.2	20.0	19.9	19.7	19.3	18.9	19.3	19.7	19.9	20.0	20.2
75°	16.4	16.1	15.7	15.4	15.4	15.4	15.4	15.4	15.7	16.1	16.4
77.5°	12.1	11.9	11.9	11.8	11.5	11.2	11.5	11.8	11.9	11.9	12.1
80°	9.8	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.8
82.5°	7.5	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.5
85°	4.1	4.1	4.5	4.7	4.3	3.8	4.3	4.7	4.5	4.1	4.1
87.5°	3.0	3.5	3.9	4.2	4.4	4.3	4.4	4.2	3.9	3.5	3.0
90°	7.4	9.7	11.9	13.2	14.5	13.8	14.5	13.2	11.9	9.7	7.4
92.5°	14.9	18.7	21.5	23.8	24.8	24.7	24.8	23.8	21.5	18.7	14.9
95°	30.0	34.5	39.0	42.2	44.1	43.5	44.1	42.2	39.0	34.5	30.0
97.5°	46.2	52.2	57.3	60.3	62.2	63.5	62.2	60.3	57.3	52.2	46.2
100°	57.0	62.8	68.6	72.1	75.4	76.7	75.4	72.1	68.6	62.8	57.0
102.5°	65.8	73.4	79.7	83.5	86.2	87.5	86.2	83.5	79.7	73.4	65.8
105°	80.2	88.3	95.0	99.8	102.7	103.7	102.7	99.8	95.0	88.3	80.2
107.5°	94.6	102.9	109.2	114.5	118.1	120.1	118.1	114.5	109.2	102.9	94.6
110°	106.0	112.7	119.5	124.3	127.9	129.2	127.9	124.3	119.5	112.7	106.0



TEST NUMBER: P1428590

CATALOG NUMBER: SQ2W-WBN-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	115.5	123.0	129.8	134.6	138.7	140.5	138.7	134.6	129.8	123.0	115.5
115°	128.8	138.8	144.9	149.4	152.3	154.0	152.3	149.4	144.9	138.8	128.8
117.5°	139.9	150.3	157.0	160.5	161.9	163.0	161.9	160.5	157.0	150.3	139.9
120°	146.9	156.5	164.3	168.8	170.4	171.0	170.4	168.8	164.3	156.5	146.9
122.5°	153.3	162.5	169.9	175.5	178.1	178.8	178.1	175.5	169.9	162.5	153.3
125°	162.3	171.0	178.8	184.2	187.1	188.7	187.1	184.2	178.8	171.0	162.3
127.5°	170.2	179.6	186.7	191.6	194.5	195.8	194.5	191.6	186.7	179.6	170.2
130°	174.6	184.2	191.3	196.8	199.4	200.7	199.4	196.8	191.3	184.2	174.6
132.5°	177.9	188.1	195.4	200.4	203.2	204.5	203.2	200.4	195.4	188.1	177.9
135°	182.0	192.6	200.3	205.2	207.7	209.0	207.7	205.2	200.3	192.6	182.0
137.5°	185.5	195.2	203.2	208.3	210.6	211.5	210.6	208.3	203.2	195.2	185.5
140°	188.1	196.5	204.5	209.4	211.9	212.3	211.9	209.4	204.5	196.5	188.1
142.5°	191.4	198.0	205.0	209.9	212.4	213.0	212.4	209.9	205.0	198.0	191.4
145°	197.4	201.3	206.1	210.6	212.9	213.5	212.9	210.6	206.1	201.3	197.4
147.5°	205.0	206.2	208.7	211.7	213.9	214.3	213.9	211.7	208.7	206.2	205.0
150°	210.6	210.3	211.3	213.2	215.2	214.8	215.2	213.2	211.3	210.3	210.6
152.5°	217.1	215.2	215.2	216.1	217.0	216.9	217.0	216.1	215.2	215.2	217.1
155°	228.0	224.5	222.6	221.9	221.9	221.6	221.9	221.9	222.6	224.5	228.0
157.5°	240.1	235.1	232.2	230.7	230.2	229.5	230.2	230.7	232.2	235.1	240.1
160°	248.3	242.9	240.0	237.4	236.4	235.4	236.4	237.4	240.0	242.9	248.3
162.5°	256.1	250.8	247.7	245.4	244.4	242.9	244.4	245.4	247.7	250.8	256.1
165°	268.6	263.1	259.6	257.7	256.4	255.1	256.4	257.7	259.6	263.1	268.6
167.5°	281.2	275.2	272.9	270.7	269.5	267.1	269.5	270.7	272.9	275.2	281.2
170°	288.9	283.4	282.1	280.2	278.0	275.4	278.0	280.2	282.1	283.4	288.9
172.5°	295.6	291.9	290.6	288.7	288.0	285.9	288.0	288.7	290.6	291.9	295.6
175°	305.3	302.4	302.4	302.1	301.1	299.2	301.1	302.1	302.4	302.4	305.3
177.5°	313.5	311.9	312.9	312.9	312.7	310.9	312.7	312.9	312.9	311.9	313.5
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1428590

CATALOG NUMBER: SQ2W-WBN-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	5425.5	5425.5	5425.5	5425.5
2.5°	5390.6	5408.8	5412.9	5417.0
5°	5196.1	5211.7	5215.1	5218.5
7.5°	4806.5	4814.5	4811.6	4808.7
10°	4463.6	4474.5	4466.8	4459.1
12.5°	4053.5	4063.5	4068.4	4073.4
15°	3416.8	3444.4	3462.3	3480.3
17.5°	2798.5	2817.2	2810.2	2803.3
20°	2397.8	2409.5	2407.4	2405.2
22.5°	2070.3	2085.8	2085.3	2084.9
25°	1656.1	1666.4	1667.6	1668.9
27.5°	1349.3	1358.0	1363.3	1368.6
30°	1201.2	1209.9	1214.2	1218.5
32.5°	1076.2	1084.1	1083.9	1083.7
35°	903.4	909.9	907.3	904.7
37.5°	744.4	749.7	747.4	745.0
40°	640.7	644.4	642.7	641.0
42.5°	539.8	542.2	535.0	527.8
45°	386.6	376.4	353.8	331.1
47.5°	252.8	230.3	198.9	167.5
50°	177.1	149.5	127.7	105.9
52.5°	129.9	103.6	92.4	81.2
55°	80.8	66.3	62.0	57.7
57.5°	54.9	49.4	47.1	44.7
60°	44.6	41.9	40.2	38.5
62.5°	37.9	36.7	35.7	34.6
65°	30.8	30.7	30.3	29.8
67.5°	26.3	26.3	25.8	25.4
70°	23.7	24.0	23.5	23.1
72.5°	20.7	20.9	20.4	20.0
75°	16.4	16.4	16.4	16.4
77.5°	12.6	12.9	12.8	12.7
80°	10.3	10.5	10.1	9.6
82.5°	8.0	8.3	8.2	8.1
85°	4.5	4.8	4.8	4.8
87.5°	2.7	2.2	2.0	1.7
90°	5.8	3.5	2.3	1.0
92.5°	12.5	8.7	6.1	3.5
95°	25.1	20.0	14.2	10.0
97.5°	40.0	31.7	26.0	19.1
100°	48.0	39.9	34.5	27.1
102.5°	56.8	50.0	42.5	35.0
105°	72.5	64.1	55.4	47.0
107.5°	87.0	77.8	67.4	59.8
110°	96.3	86.3	75.4	68.6



TEST NUMBER: P1428590

CATALOG NUMBER: SQ2W-WBN-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	105.3	95.1	83.9	77.1
115°	117.6	106.3	96.0	90.2
117.5°	129.3	117.8	106.9	102.3
120°	136.6	125.0	114.3	110.8
122.5°	142.5	131.2	121.3	119.8
125°	151.4	139.8	131.4	133.3
127.5°	158.6	148.0	142.7	147.0
130°	163.0	153.6	150.4	156.5
132.5°	166.8	159.6	158.1	166.6
135°	172.6	168.5	169.7	181.3
137.5°	179.5	177.9	182.2	196.9
140°	183.9	184.9	191.0	207.4
142.5°	189.8	192.1	200.0	217.5
145°	199.0	203.9	214.2	231.6
147.5°	209.5	215.7	228.5	246.3
150°	216.4	224.5	238.0	255.1
152.5°	224.4	232.7	246.3	263.6
155°	236.7	246.1	260.2	275.1
157.5°	249.3	258.8	272.4	285.3
160°	257.0	267.3	279.6	291.5
162.5°	265.8	275.3	286.0	296.6
165°	278.6	286.3	295.0	304.0
167.5°	289.4	295.8	302.6	309.7
170°	296.3	301.5	307.3	312.7
172.5°	302.2	306.4	310.6	315.3
175°	310.2	312.4	315.0	317.9
177.5°	316.3	317.1	317.8	319.1
180°	318.9	318.9	318.9	318.9



TEST NUMBER: P1428590
 CATALOG NUMBER: SQ2W-WBN-K-025U-075D-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	4.11	4.95	4.84	5.65	6.49	3.74	4.57	4.47	5.28	6.12
	3H	5.34	6.08	6.08	6.80	7.67	4.95	5.69	5.69	6.41	7.28
	4H	5.87	6.55	6.62	7.28	8.17	5.47	6.16	6.23	6.89	7.78
	6H	6.22	6.85	6.99	7.59	8.49	5.80	6.43	6.57	7.18	8.07
	8H	6.37	6.96	7.15	7.72	8.62	5.94	6.54	6.72	7.30	8.20
	12H	6.46	7.03	7.24	7.78	8.70	6.02	6.58	6.79	7.33	8.25
4H	2H	4.44	5.13	5.20	5.86	6.75	4.13	4.82	4.89	5.55	6.44
	3H	5.94	6.50	6.71	7.27	8.17	5.60	6.17	6.37	6.94	7.83
	4H	6.59	7.10	7.37	7.87	8.80	6.24	6.75	7.02	7.52	8.45
	6H	7.08	7.51	7.88	8.31	9.25	6.69	7.13	7.49	7.92	8.86
	8H	7.29	7.70	8.09	8.48	9.43	6.89	7.29	7.69	8.08	9.03
	12H	7.43	7.79	8.25	8.60	9.55	7.00	7.35	7.81	8.17	9.12
8H	4H	6.75	7.15	7.55	7.94	8.89	6.43	6.84	7.24	7.63	8.57
	6H	7.38	7.71	8.21	8.55	9.49	7.03	7.35	7.85	8.19	9.14
	8H	7.70	7.99	8.54	8.82	9.79	7.31	7.60	8.15	8.43	9.40
	12H	7.93	8.18	8.77	9.00	10.03	7.51	7.76	8.35	8.58	9.61
12H	4H	6.73	7.09	7.55	7.90	8.85	6.43	6.78	7.24	7.60	8.55
	6H	7.41	7.70	8.26	8.54	9.50	7.07	7.36	7.91	8.19	9.16
	8H	7.77	8.02	8.61	8.84	9.87	7.39	7.65	8.23	8.47	9.49