

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: P1427496

Luminaire Tested: SQ2W-BBM-K-025U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427496
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-050D-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 500 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

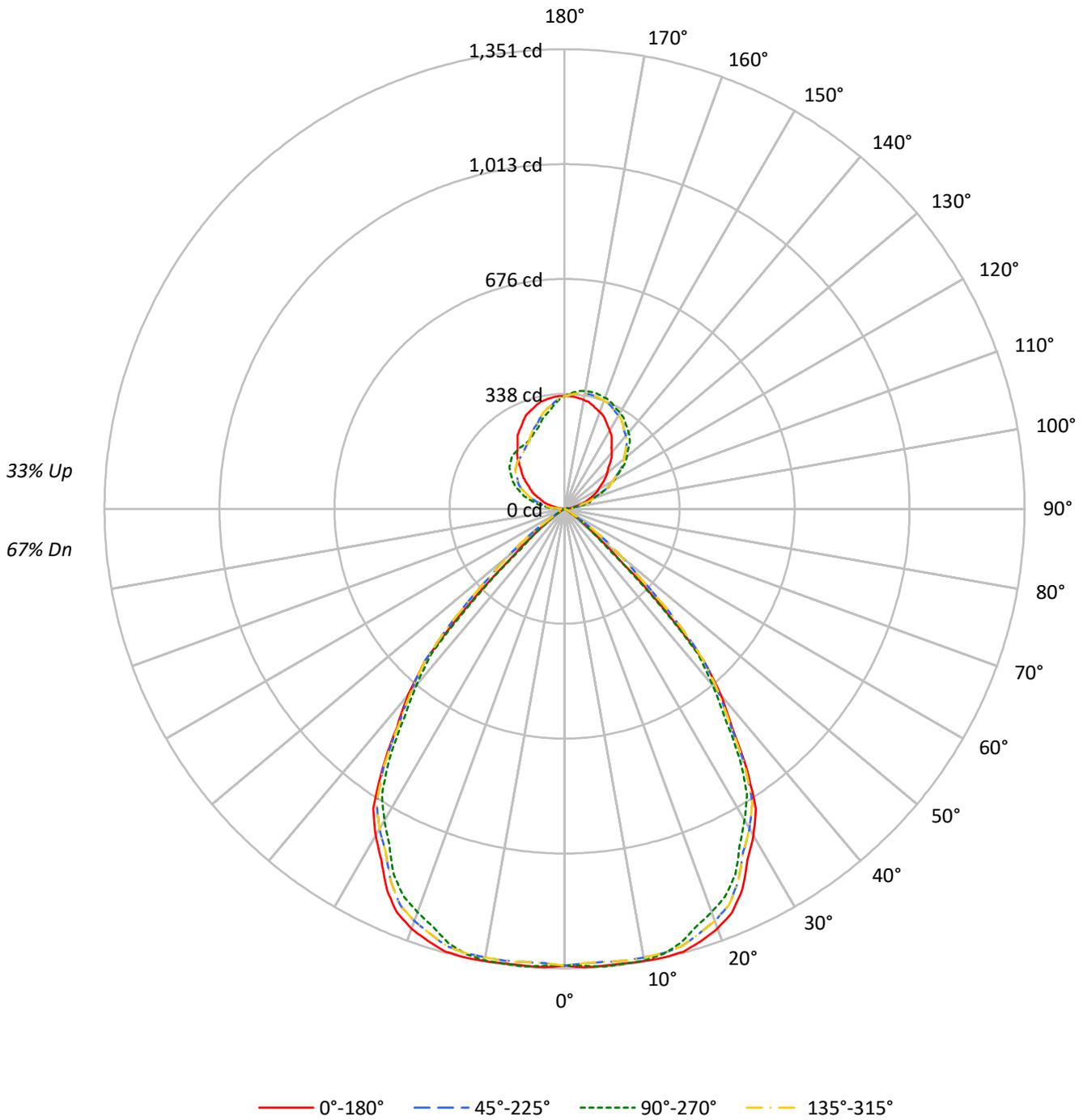
Lumens per Lamp: N/A
Luminaire Lumens: 2976.9 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 25.6
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	0
RCR																		
0	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	67
1	104	101	98	95	98	96	93	91	86	84	82	76	75	74	68	67	66	62
2	97	91	87	83	92	87	83	79	78	75	72	71	68	66	63	62	60	57
3	91	83	77	72	86	79	74	70	72	68	65	65	62	59	59	57	55	52
4	85	76	69	64	80	72	66	62	66	61	58	60	57	54	55	52	50	47
5	79	69	62	57	75	66	60	55	61	56	52	55	52	49	51	48	45	43
6	74	63	56	51	70	61	54	50	56	51	47	51	47	44	47	44	41	39
7	69	58	51	46	66	56	50	45	52	46	43	48	43	40	44	40	38	36
8	65	54	47	42	61	52	45	41	48	43	39	44	40	37	41	37	35	33
9	61	50	43	38	58	48	42	37	44	39	36	41	37	34	38	35	32	30
10	57	46	40	35	54	44	38	34	41	36	33	39	34	31	36	32	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	21685	21685	21685	21685
5°	21854	21886	21854	21886
10°	22129	22097	22129	22097
15°	22529	22079	22529	22079
20°	22556	21680	22556	21680
25°	21999	21137	21999	21137
30°	20679	19715	20679	19715
35°	18354	17666	18354	17666
40°	15053	14246	15053	14246
45°	8973	8423	8973	8423
50°	2801	2650	2801	2650
55°	1058	1058	1058	1058
60°	65	23	65	23
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: 10508 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	4.3
10°-20°	376.2	12.6
20°-30°	553.4	18.6
30°-40°	565.6	19.0
40°-50°	325.8	10.9
50°-60°	56.1	1.9
60°-70°	2.0	0.1
70°-80°	0.0	0.0
80°-90°	1.8	0.1
90°-100°	26.4	0.9
100°-110°	76.9	2.6
110°-120°	125.6	4.2
120°-130°	159.3	5.4
130°-140°	170.5	5.7
140°-150°	159.2	5.3
150°-160°	131.0	4.4
160°-170°	87.9	3.0
170°-180°	31.2	1.0
0°-30°	1058.0	35.5
0°-40°	1623.6	54.5
0°-60°	2005.5	67.4
0°-90°	2009.3	67.5
90°-120°	228.9	7.7
90°-150°	717.9	24.1
90°-180°	968.0	32.5
0°-180°	2976.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1343	1343	1343	1343	1343	
5°	1348	1350	1348	1350	1348	129
15°	1348	1321	1348	1321	1348	380
25°	1235	1186	1235	1186	1235	563
35°	931	896	931	896	931	575
45°	393	369	393	369	393	304
55°	38	38	38	38	38	40
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°	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1
2.5°	1349.0	1347.3	1345.6	1341.6	1336.8	1337.2	1342.7	1346.5	1345.3	1344.1	1345.3
5°	1348.4	1346.9	1345.4	1341.3	1336.2	1337.7	1345.7	1351.6	1351.0	1350.4	1351.0
7.5°	1347.6	1346.6	1345.6	1342.6	1339.1	1340.6	1347.2	1351.8	1350.3	1348.8	1350.3
10°	1349.8	1349.5	1349.2	1344.6	1338.6	1339.1	1346.0	1350.7	1349.2	1347.8	1349.2
12.5°	1350.8	1352.7	1354.5	1348.0	1338.7	1336.8	1342.2	1345.6	1342.9	1340.2	1342.9
15°	1347.8	1352.8	1357.9	1348.6	1334.6	1328.0	1328.9	1328.6	1324.8	1320.9	1324.8
17.5°	1332.7	1339.9	1347.0	1334.8	1316.1	1305.1	1301.8	1298.0	1292.5	1287.0	1292.5
20°	1312.8	1321.2	1329.5	1316.2	1295.6	1282.4	1276.8	1271.3	1266.5	1261.8	1266.5
22.5°	1284.9	1292.5	1300.2	1287.3	1267.7	1254.3	1247.2	1240.9	1237.1	1233.3	1237.1
25°	1234.9	1240.0	1245.0	1232.0	1212.9	1200.6	1195.2	1190.7	1188.6	1186.5	1188.6
27.5°	1164.1	1165.5	1166.9	1156.5	1142.2	1131.7	1125.0	1119.3	1116.6	1113.9	1116.6
30°	1109.2	1109.2	1109.2	1101.2	1090.4	1081.5	1074.3	1067.7	1062.6	1057.5	1062.6
32.5°	1045.3	1044.6	1043.8	1037.9	1030.3	1022.5	1014.6	1007.5	1002.4	997.3	1002.4
35°	931.2	934.5	937.8	933.7	927.1	919.9	912.2	905.2	900.7	896.3	900.7
37.5°	807.7	809.0	810.2	806.8	801.9	795.2	786.8	779.6	775.9	772.1	775.9
40°	714.2	714.5	714.8	710.6	704.9	699.1	693.1	687.2	681.6	675.9	681.6
42.5°	605.1	611.1	617.1	614.6	609.1	601.6	592.1	584.3	582.0	579.7	582.0
45°	393.0	419.6	446.2	456.0	460.2	456.9	446.1	430.4	399.6	368.9	399.6
47.5°	197.5	230.6	263.7	286.6	306.1	300.6	270.0	238.8	206.3	173.7	206.3
50°	111.5	131.2	150.9	181.6	216.0	210.3	164.6	127.6	116.5	105.5	116.5
52.5°	74.4	83.2	91.9	116.6	146.6	144.7	110.7	83.6	77.4	71.1	77.4
55°	37.6	40.0	42.4	53.3	67.0	66.7	52.4	41.2	39.4	37.6	39.4
57.5°	12.8	16.0	19.2	24.1	29.4	29.6	24.5	20.0	17.0	14.1	17.0
60°	2.0	5.0	8.0	11.9	16.1	15.6	10.5	6.0	3.4	0.7	3.4
62.5°	0.4	1.2	2.1	5.2	9.2	9.1	5.0	1.7	0.9	0.1	0.9
65°	0.0	0.0	0.0	0.2	0.5	0.5	0.2	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°	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1
2.5°	1346.5	1342.7	1337.2	1336.8	1341.6	1345.6	1347.3	1349.0	1347.3	1345.6	1341.6
5°	1351.6	1345.7	1337.7	1336.2	1341.3	1345.4	1346.9	1348.4	1346.9	1345.4	1341.3
7.5°	1351.8	1347.2	1340.6	1339.1	1342.6	1345.6	1346.6	1347.6	1346.6	1345.6	1342.6
10°	1350.7	1346.0	1339.1	1338.6	1344.6	1349.2	1349.5	1349.8	1349.5	1349.2	1344.6
12.5°	1345.6	1342.2	1336.8	1338.7	1348.0	1354.5	1352.7	1350.8	1352.7	1354.5	1348.0
15°	1328.6	1328.9	1328.0	1334.6	1348.6	1357.9	1352.8	1347.8	1352.8	1357.9	1348.6
17.5°	1298.0	1301.8	1305.1	1316.1	1334.8	1347.0	1339.9	1332.7	1339.9	1347.0	1334.8
20°	1271.3	1276.8	1282.4	1295.6	1316.2	1329.5	1321.2	1312.8	1321.2	1329.5	1316.2
22.5°	1240.9	1247.2	1254.3	1267.7	1287.3	1300.2	1292.5	1284.9	1292.5	1300.2	1287.3
25°	1190.7	1195.2	1200.6	1212.9	1232.0	1245.0	1240.0	1234.9	1240.0	1245.0	1232.0
27.5°	1119.3	1125.0	1131.7	1142.2	1156.5	1166.9	1165.5	1164.1	1165.5	1166.9	1156.5
30°	1067.7	1074.3	1081.5	1090.4	1101.2	1109.2	1109.2	1109.2	1109.2	1109.2	1101.2
32.5°	1007.5	1014.6	1022.5	1030.3	1037.9	1043.8	1044.6	1045.3	1044.6	1043.8	1037.9
35°	905.2	912.2	919.9	927.1	933.7	937.8	934.5	931.2	934.5	937.8	933.7
37.5°	779.6	786.8	795.2	801.9	806.8	810.2	809.0	807.7	809.0	810.2	806.8
40°	687.2	693.1	699.1	704.9	710.6	714.8	714.5	714.2	714.5	714.8	710.6
42.5°	584.3	592.1	601.6	609.1	614.6	617.1	611.1	605.1	611.1	617.1	614.6
45°	430.4	446.1	456.9	460.2	456.0	446.2	419.6	393.0	419.6	446.2	456.0
47.5°	238.8	270.0	300.6	306.1	286.6	263.7	230.6	197.5	230.6	263.7	286.6
50°	127.6	164.6	210.3	216.0	181.6	150.9	131.2	111.5	131.2	150.9	181.6
52.5°	83.6	110.7	144.7	146.6	116.6	91.9	83.2	74.4	83.2	91.9	116.6
55°	41.2	52.4	66.7	67.0	53.3	42.4	40.0	37.6	40.0	42.4	53.3
57.5°	20.0	24.5	29.6	29.4	24.1	19.2	16.0	12.8	16.0	19.2	24.1
60°	6.0	10.5	15.6	16.1	11.9	8.0	5.0	2.0	5.0	8.0	11.9
62.5°	1.7	5.0	9.1	9.2	5.2	2.1	1.2	0.4	1.2	2.1	5.2
65°	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2
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: P1427496

CATALOG NUMBER: SQ2W-BBM-K-025U-050D-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: P1427496

CATALOG NUMBER: SQ2W-BBM-K-025U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1
2.5°	1336.8	1337.2	1342.7	1346.5	1345.3	1344.1	1345.3	1346.5	1342.7	1337.2	1336.8
5°	1336.2	1337.7	1345.7	1351.6	1351.0	1350.4	1351.0	1351.6	1345.7	1337.7	1336.2
7.5°	1339.1	1340.6	1347.2	1351.8	1350.3	1348.8	1350.3	1351.8	1347.2	1340.6	1339.1
10°	1338.6	1339.1	1346.0	1350.7	1349.2	1347.8	1349.2	1350.7	1346.0	1339.1	1338.6
12.5°	1338.7	1336.8	1342.2	1345.6	1342.9	1340.2	1342.9	1345.6	1342.2	1336.8	1338.7
15°	1334.6	1328.0	1328.9	1328.6	1324.8	1320.9	1324.8	1328.6	1328.9	1328.0	1334.6
17.5°	1316.1	1305.1	1301.8	1298.0	1292.5	1287.0	1292.5	1298.0	1301.8	1305.1	1316.1
20°	1295.6	1282.4	1276.8	1271.3	1266.5	1261.8	1266.5	1271.3	1276.8	1282.4	1295.6
22.5°	1267.7	1254.3	1247.2	1240.9	1237.1	1233.3	1237.1	1240.9	1247.2	1254.3	1267.7
25°	1212.9	1200.6	1195.2	1190.7	1188.6	1186.5	1188.6	1190.7	1195.2	1200.6	1212.9
27.5°	1142.2	1131.7	1125.0	1119.3	1116.6	1113.9	1116.6	1119.3	1125.0	1131.7	1142.2
30°	1090.4	1081.5	1074.3	1067.7	1062.6	1057.5	1062.6	1067.7	1074.3	1081.5	1090.4
32.5°	1030.3	1022.5	1014.6	1007.5	1002.4	997.3	1002.4	1007.5	1014.6	1022.5	1030.3
35°	927.1	919.9	912.2	905.2	900.7	896.3	900.7	905.2	912.2	919.9	927.1
37.5°	801.9	795.2	786.8	779.6	775.9	772.1	775.9	779.6	786.8	795.2	801.9
40°	704.9	699.1	693.1	687.2	681.6	675.9	681.6	687.2	693.1	699.1	704.9
42.5°	609.1	601.6	592.1	584.3	582.0	579.7	582.0	584.3	592.1	601.6	609.1
45°	460.2	456.9	446.1	430.4	399.6	368.9	399.6	430.4	446.1	456.9	460.2
47.5°	306.1	300.6	270.0	238.8	206.3	173.7	206.3	238.8	270.0	300.6	306.1
50°	216.0	210.3	164.6	127.6	116.5	105.5	116.5	127.6	164.6	210.3	216.0
52.5°	146.6	144.7	110.7	83.6	77.4	71.1	77.4	83.6	110.7	144.7	146.6
55°	67.0	66.7	52.4	41.2	39.4	37.6	39.4	41.2	52.4	66.7	67.0
57.5°	29.4	29.6	24.5	20.0	17.0	14.1	17.0	20.0	24.5	29.6	29.4
60°	16.1	15.6	10.5	6.0	3.4	0.7	3.4	6.0	10.5	15.6	16.1
62.5°	9.2	9.1	5.0	1.7	0.9	0.1	0.9	1.7	5.0	9.1	9.2
65°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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: P1427496

CATALOG NUMBER: SQ2W-BBM-K-025U-050D-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: P1427496

CATALOG NUMBER: SQ2W-BBM-K-025U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1343.1	1343.1	1343.1	1343.1
2.5°	1341.6	1345.6	1347.3	1349.0
5°	1341.3	1345.4	1346.9	1348.4
7.5°	1342.6	1345.6	1346.6	1347.6
10°	1344.6	1349.2	1349.5	1349.8
12.5°	1348.0	1354.5	1352.7	1350.8
15°	1348.6	1357.9	1352.8	1347.8
17.5°	1334.8	1347.0	1339.9	1332.7
20°	1316.2	1329.5	1321.2	1312.8
22.5°	1287.3	1300.2	1292.5	1284.9
25°	1232.0	1245.0	1240.0	1234.9
27.5°	1156.5	1166.9	1165.5	1164.1
30°	1101.2	1109.2	1109.2	1109.2
32.5°	1037.9	1043.8	1044.6	1045.3
35°	933.7	937.8	934.5	931.2
37.5°	806.8	810.2	809.0	807.7
40°	710.6	714.8	714.5	714.2
42.5°	614.6	617.1	611.1	605.1
45°	456.0	446.2	419.6	393.0
47.5°	286.6	263.7	230.6	197.5
50°	181.6	150.9	131.2	111.5
52.5°	116.6	91.9	83.2	74.4
55°	53.3	42.4	40.0	37.6
57.5°	24.1	19.2	16.0	12.8
60°	11.9	8.0	5.0	2.0
62.5°	5.2	2.1	1.2	0.4
65°	0.2	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: P1427496

CATALOG NUMBER: SQ2W-BBM-K-025U-050D-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: P1427496

CATALOG NUMBER: SQ2W-BBM-K-025U-050D-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	0.51	0.00	0.00	0.00	0.00	0.75
	3H	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.51
	4H	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.38
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
4H	2H	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.39
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
	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