

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: P1428595

Luminaire Tested: SQ2W-WBN-K-025U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428595
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-100D-L940-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 1000 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

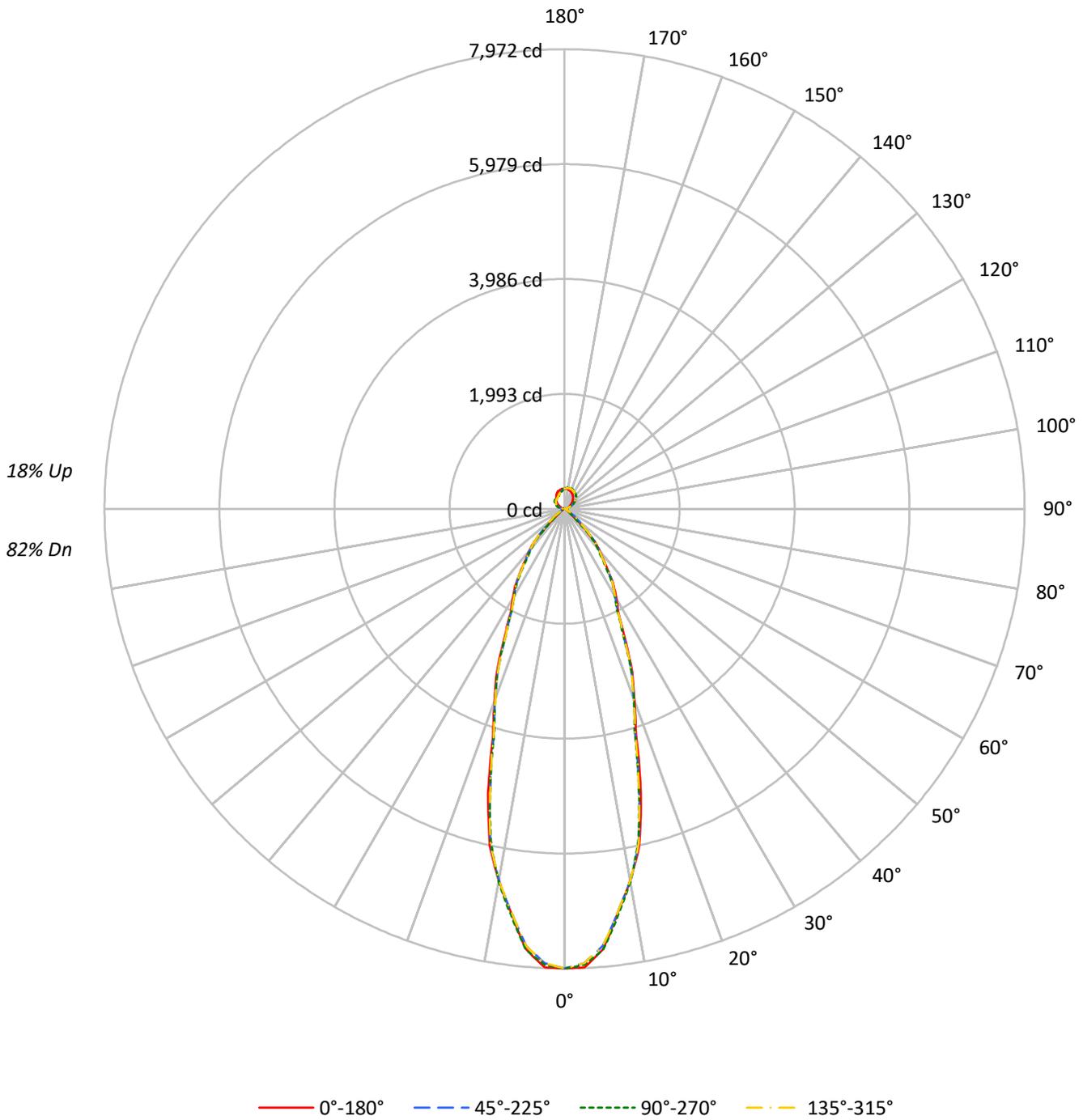
Lumens per Lamp: N/A
Luminaire Lumens: 5654.8 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 45.6
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

TEST NUMBER: P1428595

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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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	85	85	85	82
1	109	105	103	100	104	102	99	97	94	92	91	87	86	85	81	80	79	76
2	102	97	93	89	99	94	90	87	88	85	82	82	80	78	77	75	74	71
3	97	90	85	80	93	87	82	79	82	78	75	77	74	72	73	70	68	66
4	91	83	78	73	88	81	76	72	77	72	69	72	69	66	69	66	64	61
5	86	78	72	67	84	76	70	66	72	67	64	68	65	62	65	62	59	57
6	82	73	66	62	79	71	65	61	68	63	59	64	61	57	62	58	56	54
7	78	68	62	58	75	67	61	57	64	59	55	61	57	54	58	55	52	51
8	74	64	58	54	72	63	57	53	60	55	52	58	54	51	56	52	49	48
9	70	61	55	51	68	59	54	50	57	52	49	55	51	48	53	49	47	45
10	67	57	51	48	65	56	51	47	54	49	46	52	48	45	50	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	128719	128719	128719	128719
5°	124282	124420	124282	124420
10°	107424	107680	107424	107680
15°	85483	83119	85483	83119
20°	60725	60361	60725	60361
25°	43689	42529	43689	42529
30°	33381	32406	33381	32406
35°	26203	25089	26203	25089
40°	19852	18630	19852	18630
45°	11108	9914	11108	9914
50°	3908	3446	3908	3446
55°	2390	2269	2390	2269
60°	1828	1689	1828	1689
65°	1673	1566	1673	1566
70°	1600	1468	1600	1468
75°	1497	1410	1497	1410
80°	1311	1311	1311	1311
85°	1315	1056	1315	1056

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 13173 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.0	12.2
10°-20°	1375.4	24.3
20°-30°	1139.0	20.1
30°-40°	819.4	14.5
40°-50°	417.4	7.4
50°-60°	108.5	1.9
60°-70°	45.1	0.8
70°-80°	25.0	0.4
80°-90°	8.9	0.2
90°-100°	27.9	0.5
100°-110°	81.4	1.4
110°-120°	132.8	2.3
120°-130°	168.5	3.0
130°-140°	180.3	3.2
140°-150°	168.4	3.0
150°-160°	138.6	2.5
160°-170°	92.9	1.6
170°-180°	33.0	0.6
0°-30°	3206.5	56.7
0°-40°	4025.9	71.2
0°-60°	4551.9	80.5
0°-90°	4630.8	81.9
90°-120°	242.1	4.3
90°-150°	759.4	13.4
90°-180°	1024.0	18.1
0°-180°	5654.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7972	7972	7972	7972	7972	
5°	7668	7677	7668	7677	7668	692
15°	5114	4973	5114	4973	5114	1388
25°	2452	2387	2452	2387	2452	1153
35°	1329	1273	1329	1273	1329	834
45°	486	434	486	434	486	389
55°	85	81	85	81	85	83
65°	44	41	44	41	44	44
75°	24	23	24	23	24	25
85°	7	6	7	6	7	7
90°	1	8	1	15	1	1
95°	11	8	11	48	11	13
105°	52	83	52	114	52	55
115°	99	137	99	169	99	98
125°	147	218	147	208	147	131
135°	199	285	199	230	199	154
145°	255	329	255	235	255	159
155°	302	357	302	244	302	139
165°	334	372	334	280	334	94
175°	350	364	350	329	350	33
180°	351	351	351	351	351	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4
2.5°	7959.9	7953.9	7947.9	7921.1	7887.4	7884.6	7912.8	7932.1	7925.1	7918.1	7925.1
5°	7668.3	7663.3	7658.2	7635.3	7606.4	7616.4	7665.5	7699.4	7688.1	7676.8	7688.1
7.5°	7066.1	7070.4	7074.6	7062.9	7045.8	7058.9	7102.3	7131.8	7119.7	7107.7	7119.7
10°	6552.4	6563.7	6575.0	6559.0	6533.9	6553.0	6616.5	6653.5	6610.7	6568.0	6610.7
12.5°	5985.6	5978.3	5971.0	5956.3	5939.2	5935.8	5946.0	5947.7	5924.1	5900.4	5924.1
15°	5114.1	5087.7	5061.3	5020.7	4975.5	4960.7	4976.4	4986.5	4979.6	4972.7	4979.6
17.5°	4119.3	4129.5	4139.6	4112.2	4072.2	4051.5	4050.0	4046.9	4039.1	4031.3	4039.1
20°	3534.3	3537.5	3540.6	3523.5	3499.6	3493.9	3506.5	3515.6	3514.4	3513.1	3514.4
22.5°	3063.6	3064.3	3064.9	3042.2	3011.8	3005.9	3024.5	3035.6	3024.3	3013.0	3024.3
25°	2452.4	2450.5	2448.6	2433.5	2414.0	2399.6	2390.2	2383.6	2385.4	2387.3	2385.4
27.5°	2011.1	2003.3	1995.5	1982.6	1968.1	1963.9	1970.2	1973.8	1969.1	1964.5	1969.1
30°	1790.5	1784.2	1777.9	1765.0	1750.0	1744.3	1748.1	1749.5	1743.8	1738.2	1743.8
32.5°	1592.5	1592.7	1593.0	1581.4	1565.8	1557.1	1555.3	1553.0	1548.8	1544.7	1548.8
35°	1329.4	1333.2	1337.0	1327.5	1313.7	1302.1	1292.7	1284.2	1278.5	1272.9	1278.5
37.5°	1094.7	1098.2	1101.7	1093.8	1082.1	1069.4	1055.5	1044.0	1039.2	1034.4	1039.2
40°	941.9	944.4	946.9	941.4	933.3	921.0	904.7	891.5	887.7	883.9	887.7
42.5°	775.6	786.2	796.7	793.2	785.1	773.3	758.0	744.4	736.1	727.8	736.1
45°	486.5	519.8	553.1	568.1	576.9	572.8	555.8	531.0	482.6	434.2	482.6
47.5°	246.1	292.2	338.4	371.5	400.3	391.1	344.0	296.7	249.2	201.7	249.2
50°	155.6	187.6	219.7	260.2	303.6	294.2	231.9	179.9	158.6	137.2	158.6
52.5°	119.4	135.8	152.3	190.8	236.7	232.3	177.6	133.7	121.8	110.0	121.8
55°	84.9	91.1	97.4	118.8	145.2	143.6	114.1	90.7	85.6	80.6	85.6
57.5°	65.6	69.1	72.7	80.6	90.0	89.2	78.0	68.8	65.7	62.5	65.7
60°	56.6	59.1	61.6	65.5	69.9	69.3	63.6	58.6	55.5	52.3	55.5
62.5°	50.9	52.4	53.9	55.7	57.6	56.7	53.1	50.1	48.9	47.8	48.9
65°	43.8	44.5	45.1	45.3	45.3	44.6	43.4	42.3	41.6	41.0	41.6
67.5°	37.3	38.0	38.6	38.7	38.5	38.2	37.5	36.9	36.3	35.6	36.3
70°	33.9	34.6	35.2	34.9	34.3	33.6	33.0	32.4	31.7	31.1	31.7
72.5°	29.4	30.0	30.7	30.4	29.7	29.4	29.2	29.0	28.3	27.7	28.3
75°	24.0	24.0	24.0	24.0	24.0	23.7	23.1	22.6	22.6	22.6	22.6
77.5°	18.7	18.8	18.9	18.5	17.9	17.5	17.5	17.4	16.9	16.4	16.9
80°	14.1	14.8	15.4	15.1	14.5	14.1	14.1	14.1	14.1	14.1	14.1
82.5°	11.9	12.0	12.1	11.7	11.1	10.7	10.7	10.7	10.7	10.7	10.7
85°	7.1	7.1	7.1	6.6	6.0	6.0	6.6	6.9	6.3	5.7	6.3
87.5°	2.5	2.8	3.1	3.4	3.6	3.7	3.7	3.8	3.8	3.8	3.8
90°	1.1	2.5	4.3	5.7	6.7	7.1	7.1	7.4	7.8	7.8	7.8
92.5°	3.9	6.2	6.2	6.2	7.6	8.2	8.8	8.9	9.2	9.2	9.2
95°	11.0	12.0	18.1	17.7	12.0	9.6	8.1	8.1	8.1	8.1	8.1
97.5°	21.0	22.5	23.5	31.5	33.3	32.2	26.2	22.0	19.7	18.6	19.7
100°	29.8	30.5	32.6	32.9	41.8	50.3	46.0	40.7	39.0	37.9	39.0
102.5°	38.5	39.0	42.2	43.7	45.8	50.6	65.3	63.7	62.5	62.3	62.5
105°	51.7	52.1	58.1	60.9	62.3	62.3	62.0	69.1	80.4	82.9	80.4
107.5°	65.8	67.4	74.5	82.1	83.7	84.2	82.3	81.3	80.8	81.1	80.8
110°	75.4	77.9	86.4	96.0	98.5	99.2	98.5	97.4	96.7	96.7	96.7



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CATALOG NUMBER: SQ2W-WBN-K-025U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4
2.5°	7932.1	7912.8	7884.6	7887.4	7921.1	7947.9	7953.9	7959.9	7953.9	7947.9	7921.1
5°	7699.4	7665.5	7616.4	7606.4	7635.3	7658.2	7663.3	7668.3	7663.3	7658.2	7635.3
7.5°	7131.8	7102.3	7058.9	7045.8	7062.9	7074.6	7070.4	7066.1	7070.4	7074.6	7062.9
10°	6653.5	6616.5	6553.0	6533.9	6559.0	6575.0	6563.7	6552.4	6563.7	6575.0	6559.0
12.5°	5947.7	5946.0	5935.8	5939.2	5956.3	5971.0	5978.3	5985.6	5978.3	5971.0	5956.3
15°	4986.5	4976.4	4960.7	4975.5	5020.7	5061.3	5087.7	5114.1	5087.7	5061.3	5020.7
17.5°	4046.9	4050.0	4051.5	4072.2	4112.2	4139.6	4129.5	4119.3	4129.5	4139.6	4112.2
20°	3515.6	3506.5	3493.9	3499.6	3523.5	3540.6	3537.5	3534.3	3537.5	3540.6	3523.5
22.5°	3035.6	3024.5	3005.9	3011.8	3042.2	3064.9	3064.3	3063.6	3064.3	3064.9	3042.2
25°	2383.6	2390.2	2399.6	2414.0	2433.5	2448.6	2450.5	2452.4	2450.5	2448.6	2433.5
27.5°	1973.8	1970.2	1963.9	1968.1	1982.6	1995.5	2003.3	2011.1	2003.3	1995.5	1982.6
30°	1749.5	1748.1	1744.3	1750.0	1765.0	1777.9	1784.2	1790.5	1784.2	1777.9	1765.0
32.5°	1553.0	1555.3	1557.1	1565.8	1581.4	1593.0	1592.7	1592.5	1592.7	1593.0	1581.4
35°	1284.2	1292.7	1302.1	1313.7	1327.5	1337.0	1333.2	1329.4	1333.2	1337.0	1327.5
37.5°	1044.0	1055.5	1069.4	1082.1	1093.8	1101.7	1098.2	1094.7	1098.2	1101.7	1093.8
40°	891.5	904.7	921.0	933.3	941.4	946.9	944.4	941.9	944.4	946.9	941.4
42.5°	744.4	758.0	773.3	785.1	793.2	796.7	786.2	775.6	786.2	796.7	793.2
45°	531.0	555.8	572.8	576.9	568.1	553.1	519.8	486.5	519.8	553.1	568.1
47.5°	296.7	344.0	391.1	400.3	371.5	338.4	292.2	246.1	292.2	338.4	371.5
50°	179.9	231.9	294.2	303.6	260.2	219.7	187.6	155.6	187.6	219.7	260.2
52.5°	133.7	177.6	232.3	236.7	190.8	152.3	135.8	119.4	135.8	152.3	190.8
55°	90.7	114.1	143.6	145.2	118.8	97.4	91.1	84.9	91.1	97.4	118.8
57.5°	68.8	78.0	89.2	90.0	80.6	72.7	69.1	65.6	69.1	72.7	80.6
60°	58.6	63.6	69.3	69.9	65.5	61.6	59.1	56.6	59.1	61.6	65.5
62.5°	50.1	53.1	56.7	57.6	55.7	53.9	52.4	50.9	52.4	53.9	55.7
65°	42.3	43.4	44.6	45.3	45.3	45.1	44.5	43.8	44.5	45.1	45.3
67.5°	36.9	37.5	38.2	38.5	38.7	38.6	38.0	37.3	38.0	38.6	38.7
70°	32.4	33.0	33.6	34.3	34.9	35.2	34.6	33.9	34.6	35.2	34.9
72.5°	29.0	29.2	29.4	29.7	30.4	30.7	30.0	29.4	30.0	30.7	30.4
75°	22.6	23.1	23.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
77.5°	17.4	17.5	17.5	17.9	18.5	18.9	18.8	18.7	18.8	18.9	18.5
80°	14.1	14.1	14.1	14.5	15.1	15.4	14.8	14.1	14.8	15.4	15.1
82.5°	10.7	10.7	10.7	11.1	11.7	12.1	12.0	11.9	12.0	12.1	11.7
85°	6.9	6.6	6.0	6.0	6.6	7.1	7.1	7.1	7.1	7.1	6.6
87.5°	3.8	3.7	3.7	3.6	3.4	3.1	2.8	2.5	2.8	3.0	3.5
90°	7.4	7.1	7.1	6.7	5.7	4.3	2.5	1.1	2.5	3.9	6.4
92.5°	8.9	8.8	8.2	7.6	6.2	6.2	6.2	3.9	6.7	9.6	13.7
95°	8.1	8.1	9.6	12.0	17.7	18.1	12.0	11.0	15.6	22.0	27.6
97.5°	22.0	26.2	32.2	33.3	31.5	23.5	22.5	21.0	28.6	34.9	44.0
100°	40.7	46.0	50.3	41.8	32.9	32.6	30.5	29.8	37.9	43.9	52.8
102.5°	63.7	65.3	50.6	45.8	43.7	42.2	39.0	38.5	46.7	55.0	62.4
105°	69.1	62.0	62.3	62.3	60.9	58.1	52.1	51.7	60.9	70.5	79.7
107.5°	81.3	82.3	84.2	83.7	82.1	74.5	67.4	65.8	74.1	85.6	95.7
110°	97.4	98.5	99.2	98.5	96.0	86.4	77.9	75.4	82.9	94.9	105.9



TEST NUMBER: P1428595

CATALOG NUMBER: SQ2W-WBN-K-025U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1428595

CATALOG NUMBER: SQ2W-WBN-K-025U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4
2.5°	7887.4	7884.6	7912.8	7932.1	7925.1	7918.1	7925.1	7932.1	7912.8	7884.6	7887.4
5°	7606.4	7616.4	7665.5	7699.4	7688.1	7676.8	7688.1	7699.4	7665.5	7616.4	7606.4
7.5°	7045.8	7058.9	7102.3	7131.8	7119.7	7107.7	7119.7	7131.8	7102.3	7058.9	7045.8
10°	6533.9	6553.0	6616.5	6653.5	6610.7	6568.0	6610.7	6653.5	6616.5	6553.0	6533.9
12.5°	5939.2	5935.8	5946.0	5947.7	5924.1	5900.4	5924.1	5947.7	5946.0	5935.8	5939.2
15°	4975.5	4960.7	4976.4	4986.5	4979.6	4972.7	4979.6	4986.5	4976.4	4960.7	4975.5
17.5°	4072.2	4051.5	4050.0	4046.9	4039.1	4031.3	4039.1	4046.9	4050.0	4051.5	4072.2
20°	3499.6	3493.9	3506.5	3515.6	3514.4	3513.1	3514.4	3515.6	3506.5	3493.9	3499.6
22.5°	3011.8	3005.9	3024.5	3035.6	3024.3	3013.0	3024.3	3035.6	3024.5	3005.9	3011.8
25°	2414.0	2399.6	2390.2	2383.6	2385.4	2387.3	2385.4	2383.6	2390.2	2399.6	2414.0
27.5°	1968.1	1963.9	1970.2	1973.8	1969.1	1964.5	1969.1	1973.8	1970.2	1963.9	1968.1
30°	1750.0	1744.3	1748.1	1749.5	1743.8	1738.2	1743.8	1749.5	1748.1	1744.3	1750.0
32.5°	1565.8	1557.1	1555.3	1553.0	1548.8	1544.7	1548.8	1553.0	1555.3	1557.1	1565.8
35°	1313.7	1302.1	1292.7	1284.2	1278.5	1272.9	1278.5	1284.2	1292.7	1302.1	1313.7
37.5°	1082.1	1069.4	1055.5	1044.0	1039.2	1034.4	1039.2	1044.0	1055.5	1069.4	1082.1
40°	933.3	921.0	904.7	891.5	887.7	883.9	887.7	891.5	904.7	921.0	933.3
42.5°	785.1	773.3	758.0	744.4	736.1	727.8	736.1	744.4	758.0	773.3	785.1
45°	576.9	572.8	555.8	531.0	482.6	434.2	482.6	531.0	555.8	572.8	576.9
47.5°	400.3	391.1	344.0	296.7	249.2	201.7	249.2	296.7	344.0	391.1	400.3
50°	303.6	294.2	231.9	179.9	158.6	137.2	158.6	179.9	231.9	294.2	303.6
52.5°	236.7	232.3	177.6	133.7	121.8	110.0	121.8	133.7	177.6	232.3	236.7
55°	145.2	143.6	114.1	90.7	85.6	80.6	85.6	90.7	114.1	143.6	145.2
57.5°	90.0	89.2	78.0	68.8	65.7	62.5	65.7	78.0	89.2	90.0	
60°	69.9	69.3	63.6	58.6	55.5	52.3	55.5	63.6	69.3	69.9	
62.5°	57.6	56.7	53.1	50.1	48.9	47.8	48.9	50.1	53.1	56.7	57.6
65°	45.3	44.6	43.4	42.3	41.6	41.0	41.6	42.3	43.4	44.6	45.3
67.5°	38.5	38.2	37.5	36.9	36.3	35.6	36.3	36.9	37.5	38.2	38.5
70°	34.3	33.6	33.0	32.4	31.7	31.1	31.7	32.4	33.0	33.6	34.3
72.5°	29.7	29.4	29.2	29.0	28.3	27.7	28.3	29.0	29.2	29.4	29.7
75°	24.0	23.7	23.1	22.6	22.6	22.6	22.6	22.6	23.1	23.7	24.0
77.5°	17.9	17.5	17.5	17.4	16.9	16.4	16.9	17.4	17.5	17.5	17.9
80°	14.5	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.5
82.5°	11.1	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	11.1
85°	6.0	6.0	6.6	6.9	6.3	5.7	6.3	6.9	6.6	6.0	6.0
87.5°	3.9	4.4	4.9	5.2	5.5	5.3	5.5	5.2	4.9	4.4	3.9
90°	8.1	10.6	13.1	14.5	15.9	15.2	15.9	14.5	13.1	10.6	8.1
92.5°	16.4	20.5	23.6	26.1	27.3	27.1	27.3	26.1	23.6	20.5	16.4
95°	32.9	37.9	42.9	46.4	48.5	47.8	48.5	46.4	42.9	37.9	32.9
97.5°	50.8	57.5	63.0	66.3	68.4	69.9	68.4	66.3	63.0	57.5	50.8
100°	62.7	69.1	75.4	79.3	82.9	84.3	82.9	79.3	75.4	69.1	62.7
102.5°	72.3	80.7	87.6	91.8	94.8	96.2	94.8	91.8	87.6	80.7	72.3
105°	88.2	97.1	104.5	109.8	113.0	114.1	113.0	109.8	104.5	97.1	88.2
107.5°	104.1	113.2	120.1	126.0	129.9	132.1	129.9	126.0	120.1	113.2	104.1
110°	116.5	124.0	131.4	136.7	140.6	142.0	140.6	136.7	131.4	124.0	116.5



TEST NUMBER: P1428595

CATALOG NUMBER: SQ2W-WBN-K-025U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1428595

CATALOG NUMBER: SQ2W-WBN-K-025U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	7972.4	7972.4	7972.4	7972.4
2.5°	7921.1	7947.9	7953.9	7959.9
5°	7635.3	7658.2	7663.3	7668.3
7.5°	7062.9	7074.6	7070.4	7066.1
10°	6559.0	6575.0	6563.7	6552.4
12.5°	5956.3	5971.0	5978.3	5985.6
15°	5020.7	5061.3	5087.7	5114.1
17.5°	4112.2	4139.6	4129.5	4119.3
20°	3523.5	3540.6	3537.5	3534.3
22.5°	3042.2	3064.9	3064.3	3063.6
25°	2433.5	2448.6	2450.5	2452.4
27.5°	1982.6	1995.5	2003.3	2011.1
30°	1765.0	1777.9	1784.2	1790.5
32.5°	1581.4	1593.0	1592.7	1592.5
35°	1327.5	1337.0	1333.2	1329.4
37.5°	1093.8	1101.7	1098.2	1094.7
40°	941.4	946.9	944.4	941.9
42.5°	793.2	796.7	786.2	775.6
45°	568.1	553.1	519.8	486.5
47.5°	371.5	338.4	292.2	246.1
50°	260.2	219.7	187.6	155.6
52.5°	190.8	152.3	135.8	119.4
55°	118.8	97.4	91.1	84.9
57.5°	80.6	72.7	69.1	65.6
60°	65.5	61.6	59.1	56.6
62.5°	55.7	53.9	52.4	50.9
65°	45.3	45.1	44.5	43.8
67.5°	38.7	38.6	38.0	37.3
70°	34.9	35.2	34.6	33.9
72.5°	30.4	30.7	30.0	29.4
75°	24.0	24.0	24.0	24.0
77.5°	18.5	18.9	18.8	18.7
80°	15.1	15.4	14.8	14.1
82.5°	11.7	12.1	12.0	11.9
85°	6.6	7.1	7.1	7.1
87.5°	3.5	3.0	2.8	2.5
90°	6.4	3.9	2.5	1.1
92.5°	13.7	9.6	6.7	3.9
95°	27.6	22.0	15.6	11.0
97.5°	44.0	34.9	28.6	21.0
100°	52.8	43.9	37.9	29.8
102.5°	62.4	55.0	46.7	38.5
105°	79.7	70.5	60.9	51.7
107.5°	95.7	85.6	74.1	65.8
110°	105.9	94.9	82.9	75.4



TEST NUMBER: P1428595

CATALOG NUMBER: SQ2W-WBN-K-025U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1428595
 CATALOG NUMBER: SQ2W-WBN-K-025U-100D-L940-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	5.84	6.71	6.51	7.36	8.10	5.47	6.34	6.13	6.98	7.72
	3H	7.08	7.84	7.75	8.50	9.28	6.68	7.45	7.36	8.11	8.89
	4H	7.60	8.31	8.29	8.98	9.78	7.20	7.91	7.90	8.58	9.38
	6H	7.95	8.61	8.66	9.29	10.09	7.53	8.19	8.24	8.87	9.67
	8H	8.10	8.72	8.82	9.42	10.23	7.67	8.29	8.39	8.99	9.80
	12H	8.20	8.79	8.92	9.48	10.31	7.74	8.33	8.47	9.02	9.85
4H	2H	6.17	6.89	6.87	7.56	8.36	5.86	6.58	6.56	7.25	8.04
	3H	7.68	8.26	8.38	8.97	9.78	7.33	7.92	8.04	8.63	9.44
	4H	8.32	8.85	9.04	9.56	10.40	7.96	8.49	8.68	9.20	10.05
	6H	8.81	9.26	9.55	10.00	10.85	8.42	8.87	9.17	9.61	10.47
	8H	9.02	9.44	9.76	10.17	11.03	8.61	9.03	9.36	9.76	10.63
	12H	9.16	9.53	9.92	10.29	11.15	8.72	9.09	9.49	9.85	10.72
8H	4H	8.48	8.90	9.23	9.63	10.49	8.16	8.58	8.91	9.31	10.17
	6H	9.11	9.45	9.89	10.23	11.09	8.75	9.09	9.53	9.87	10.74
	8H	9.42	9.72	10.21	10.50	11.38	9.03	9.33	9.82	10.12	10.99
	12H	9.66	9.92	10.44	10.68	11.63	9.24	9.50	10.02	10.27	11.21
12H	4H	8.46	8.83	9.22	9.59	10.45	8.15	8.52	8.92	9.28	10.15
	6H	9.14	9.44	9.93	10.22	11.10	8.80	9.10	9.59	9.88	10.76
	8H	9.50	9.76	10.28	10.52	11.47	9.12	9.38	9.91	10.15	11.09