

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: P1427500

Luminaire Tested: SQ2W-BBM-K-025U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427500
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-075D-L940-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 750 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

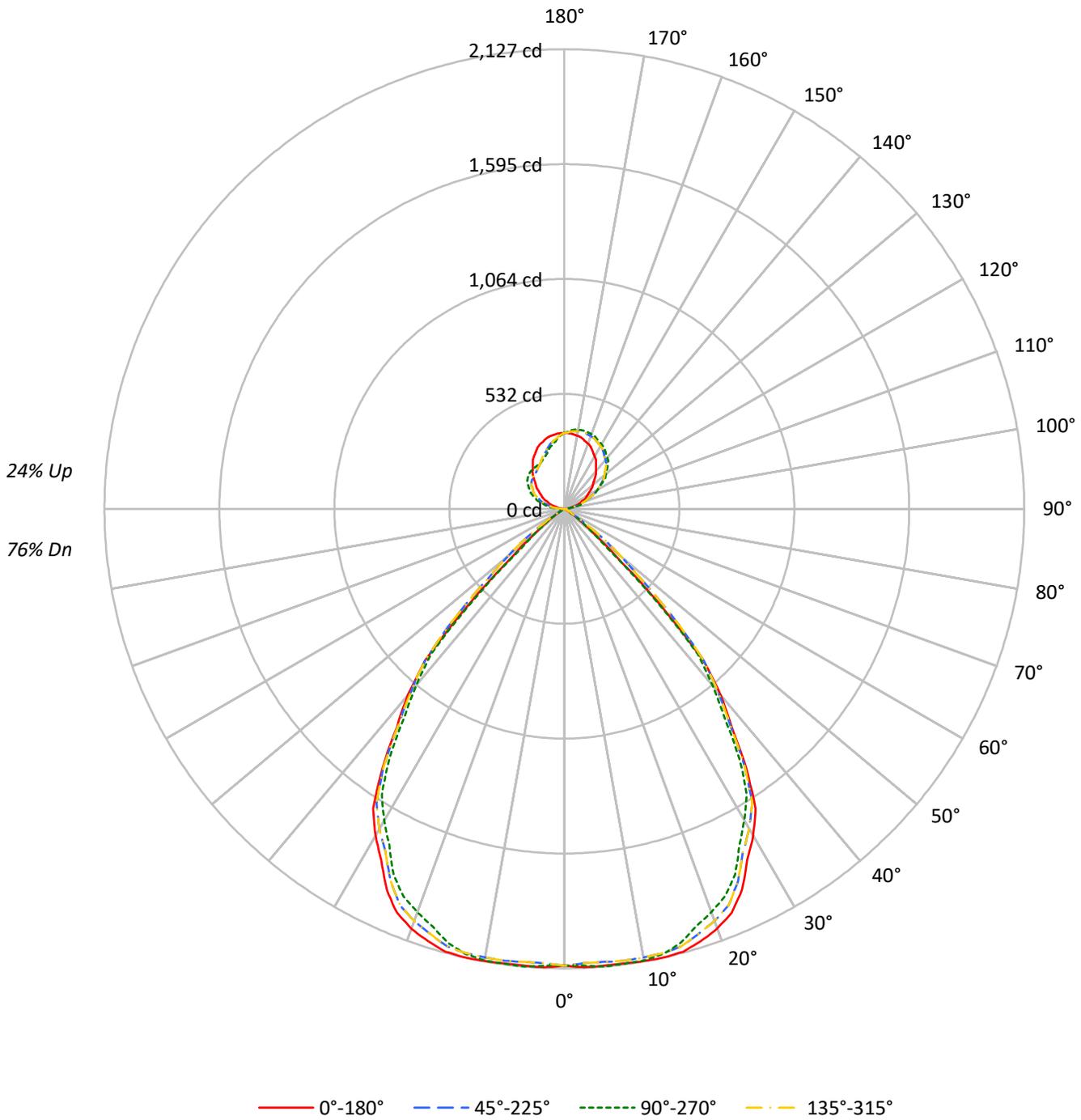
Lumens per Lamp: N/A
Luminaire Lumens: 4186.0 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1427500

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427500

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-L940-UNV-STD-W-WM-4

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	76				
1	106	103	100	98	101	99	96	94	90	88	86	82	81	79	75	74	73	70				
2	100	94	89	85	95	90	86	82	83	79	77	76	74	71	70	68	66	63				
3	93	85	80	75	89	82	77	73	76	72	69	70	67	64	65	63	60	58				
4	87	78	72	67	83	75	69	65	70	65	62	65	61	58	60	57	55	53				
5	81	71	65	60	78	69	63	58	64	59	55	60	56	53	56	53	50	48				
6	76	66	59	54	73	64	57	53	59	54	50	56	51	48	52	49	46	44				
7	71	60	54	49	68	59	52	48	55	50	46	52	47	44	49	45	42	40				
8	67	56	49	44	64	54	48	43	51	46	42	48	44	40	45	41	39	37				
9	63	52	45	41	60	50	44	40	47	42	38	45	40	37	42	38	36	34				
10	59	48	42	37	57	47	41	37	44	39	35	42	37	34	40	36	33	31				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	34140	34140	34140	34140
5°	34406	34458	34406	34458
10°	34840	34788	34840	34788
15°	35468	34761	35468	34761
20°	35513	34132	35513	34132
25°	34635	33278	34635	33278
30°	32559	31039	32559	31039
35°	28897	27813	28897	27813
40°	23698	22428	23698	22428
45°	14129	13259	14129	13259
50°	4411	4172	4411	4172
55°	1666	1666	1666	1666
60°	103	36	103	36
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: 16543 cd/sqm



TEST NUMBER: P1427500

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-L940-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.2	4.8
10°-20°	592.2	14.1
20°-30°	871.3	20.8
30°-40°	890.5	21.3
40°-50°	513.0	12.3
50°-60°	88.3	2.1
60°-70°	3.2	0.1
70°-80°	0.0	0.0
80°-90°	1.9	0.0
90°-100°	27.9	0.7
100°-110°	81.4	1.9
110°-120°	132.8	3.2
120°-130°	168.5	4.0
130°-140°	180.3	4.3
140°-150°	168.4	4.0
150°-160°	138.6	3.3
160°-170°	92.9	2.2
170°-180°	33.0	0.8
0°-30°	1665.7	39.8
0°-40°	2556.2	61.1
0°-60°	3157.4	75.4
0°-90°	3162.5	75.5
90°-120°	242.1	5.8
90°-150°	759.4	18.1
90°-180°	1024.0	24.5
0°-180°	4186.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2114	2114	2114	2114	2114	
5°	2123	2126	2123	2126	2123	203
15°	2122	2080	2122	2080	2122	597
25°	1944	1868	1944	1868	1944	887
35°	1466	1411	1466	1411	1466	906
45°	619	581	619	581	619	479
55°	59	59	59	59	59	63
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
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	



TEST NUMBER: P1427500

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5
2.5°	2123.8	2121.1	2118.5	2112.2	2104.7	2105.3	2113.9	2119.9	2118.0	2116.2	2118.0
5°	2122.9	2120.6	2118.2	2111.7	2103.7	2106.0	2118.7	2128.0	2127.0	2126.1	2127.0
7.5°	2121.7	2120.1	2118.5	2113.8	2108.2	2110.6	2121.0	2128.3	2125.9	2123.6	2125.9
10°	2125.1	2124.6	2124.1	2116.9	2107.5	2108.2	2119.1	2126.6	2124.2	2121.9	2124.2
12.5°	2126.7	2129.7	2132.6	2122.3	2107.6	2104.6	2113.1	2118.5	2114.3	2110.0	2114.3
15°	2121.9	2129.9	2137.9	2123.3	2101.2	2090.9	2092.3	2091.8	2085.7	2079.6	2085.7
17.5°	2098.2	2109.5	2120.7	2101.5	2072.1	2054.8	2049.6	2043.6	2034.9	2026.3	2034.9
20°	2066.9	2080.0	2093.2	2072.2	2039.7	2019.0	2010.1	2001.5	1994.0	1986.5	1994.0
22.5°	2022.9	2034.9	2046.9	2026.7	1995.8	1974.8	1963.6	1953.7	1947.7	1941.6	1947.7
25°	1944.2	1952.2	1960.2	1939.6	1909.5	1890.2	1881.8	1874.6	1871.3	1868.0	1871.3
27.5°	1832.7	1834.9	1837.2	1820.8	1798.3	1781.7	1771.2	1762.2	1758.0	1753.8	1758.0
30°	1746.4	1746.4	1746.4	1733.7	1716.8	1702.7	1691.4	1680.9	1672.9	1664.9	1672.9
32.5°	1645.7	1644.5	1643.4	1634.1	1622.1	1609.8	1597.4	1586.1	1578.1	1570.1	1578.1
35°	1466.1	1471.2	1476.4	1469.9	1459.6	1448.3	1436.1	1425.2	1418.1	1411.1	1418.1
37.5°	1271.6	1273.6	1275.6	1270.2	1262.4	1251.9	1238.8	1227.4	1221.5	1215.6	1221.5
40°	1124.4	1124.9	1125.3	1118.8	1109.8	1100.7	1091.3	1082.0	1073.0	1064.1	1073.0
42.5°	952.6	962.1	971.6	967.6	959.0	947.2	932.2	920.0	916.3	912.6	916.3
45°	618.8	660.6	702.5	717.9	724.5	719.3	702.4	677.6	629.1	580.7	629.1
47.5°	311.0	363.1	415.2	451.2	482.0	473.2	425.0	376.0	324.8	273.5	324.8
50°	175.6	206.6	237.6	285.9	340.0	331.1	259.2	200.9	183.5	166.1	183.5
52.5°	117.2	130.9	144.7	183.6	230.9	227.7	174.2	131.7	121.8	111.9	121.8
55°	59.2	63.0	66.8	83.9	105.5	105.1	82.5	64.9	62.1	59.2	62.1
57.5°	20.1	25.2	30.3	37.9	46.3	46.6	38.6	31.4	26.8	22.2	26.8
60°	3.2	7.9	12.6	18.7	25.3	24.6	16.6	9.5	5.3	1.1	5.3
62.5°	0.6	2.0	3.3	8.3	14.5	14.3	7.8	2.7	1.4	0.2	1.4
65°	0.0	0.0	0.0	0.4	0.8	0.8	0.4	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	0.9	1.1	1.3	1.4	1.4	1.5	1.6	1.6	1.6
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



TEST NUMBER: P1427500

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



TEST NUMBER: P1427500

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5
2.5°	2119.9	2113.9	2105.3	2104.7	2112.2	2118.5	2121.1	2123.8	2121.1	2118.5	2112.2
5°	2128.0	2118.7	2106.0	2103.7	2111.7	2118.2	2120.6	2122.9	2120.6	2118.2	2111.7
7.5°	2128.3	2121.0	2110.6	2108.2	2113.8	2118.5	2120.1	2121.7	2120.1	2118.5	2113.8
10°	2126.6	2119.1	2108.2	2107.5	2116.9	2124.1	2124.6	2125.1	2124.6	2124.1	2116.9
12.5°	2118.5	2113.1	2104.6	2107.6	2122.3	2132.6	2129.7	2126.7	2129.7	2132.6	2122.3
15°	2091.8	2092.3	2090.9	2101.2	2123.3	2137.9	2129.9	2121.9	2129.9	2137.9	2123.3
17.5°	2043.6	2049.6	2054.8	2072.1	2101.5	2120.7	2109.5	2098.2	2109.5	2120.7	2101.5
20°	2001.5	2010.1	2019.0	2039.7	2072.2	2093.2	2080.0	2066.9	2080.0	2093.2	2072.2
22.5°	1953.7	1963.6	1974.8	1995.8	2026.7	2046.9	2034.9	2022.9	2034.9	2046.9	2026.7
25°	1874.6	1881.8	1890.2	1909.5	1939.6	1960.2	1952.2	1944.2	1952.2	1960.2	1939.6
27.5°	1762.2	1771.2	1781.7	1798.3	1820.8	1837.2	1834.9	1832.7	1834.9	1837.2	1820.8
30°	1680.9	1691.4	1702.7	1716.8	1733.7	1746.4	1746.4	1746.4	1746.4	1746.4	1733.7
32.5°	1586.1	1597.4	1609.8	1622.1	1634.1	1643.4	1644.5	1645.7	1644.5	1643.4	1634.1
35°	1425.2	1436.1	1448.3	1459.6	1469.9	1476.4	1471.2	1466.1	1471.2	1476.4	1469.9
37.5°	1227.4	1238.8	1251.9	1262.4	1270.2	1275.6	1273.6	1271.6	1273.6	1275.6	1270.2
40°	1082.0	1091.3	1100.7	1109.8	1118.8	1125.3	1124.9	1124.4	1124.9	1125.3	1118.8
42.5°	920.0	932.2	947.2	959.0	967.6	971.6	962.1	952.6	962.1	971.6	967.6
45°	677.6	702.4	719.3	724.5	717.9	702.5	660.6	618.8	660.6	702.5	717.9
47.5°	376.0	425.0	473.2	482.0	451.2	415.2	363.1	311.0	363.1	415.2	451.2
50°	200.9	259.2	331.1	340.0	285.9	237.6	206.6	175.6	206.6	237.6	285.9
52.5°	131.7	174.2	227.7	230.9	183.6	144.7	130.9	117.2	130.9	144.7	183.6
55°	64.9	82.5	105.1	105.5	83.9	66.8	63.0	59.2	63.0	66.8	83.9
57.5°	31.4	38.6	46.6	46.3	37.9	30.3	25.2	20.1	25.2	30.3	37.9
60°	9.5	16.6	24.6	25.3	18.7	12.6	7.9	3.2	7.9	12.6	18.7
62.5°	2.7	7.8	14.3	14.5	8.3	3.3	2.0	0.6	2.0	3.3	8.3
65°	0.0	0.4	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.4
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	1.4	1.4	1.3	1.1	0.9	0.5	0.2	0.5	0.8	1.3
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: P1427500

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-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: P1427500

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5
2.5°	2104.7	2105.3	2113.9	2119.9	2118.0	2116.2	2118.0	2119.9	2113.9	2105.3	2104.7
5°	2103.7	2106.0	2118.7	2128.0	2127.0	2126.1	2127.0	2128.0	2118.7	2106.0	2103.7
7.5°	2108.2	2110.6	2121.0	2128.3	2125.9	2123.6	2125.9	2128.3	2121.0	2110.6	2108.2
10°	2107.5	2108.2	2119.1	2126.6	2124.2	2121.9	2124.2	2126.6	2119.1	2108.2	2107.5
12.5°	2107.6	2104.6	2113.1	2118.5	2114.3	2110.0	2114.3	2118.5	2113.1	2104.6	2107.6
15°	2101.2	2090.9	2092.3	2091.8	2085.7	2079.6	2085.7	2091.8	2092.3	2090.9	2101.2
17.5°	2072.1	2054.8	2049.6	2043.6	2034.9	2026.3	2034.9	2043.6	2049.6	2054.8	2072.1
20°	2039.7	2019.0	2010.1	2001.5	1994.0	1986.5	1994.0	2001.5	2010.1	2019.0	2039.7
22.5°	1995.8	1974.8	1963.6	1953.7	1947.7	1941.6	1947.7	1953.7	1963.6	1974.8	1995.8
25°	1909.5	1890.2	1881.8	1874.6	1871.3	1868.0	1871.3	1874.6	1881.8	1890.2	1909.5
27.5°	1798.3	1781.7	1771.2	1762.2	1758.0	1753.8	1758.0	1762.2	1771.2	1781.7	1798.3
30°	1716.8	1702.7	1691.4	1680.9	1672.9	1664.9	1672.9	1680.9	1691.4	1702.7	1716.8
32.5°	1622.1	1609.8	1597.4	1586.1	1578.1	1570.1	1578.1	1586.1	1597.4	1609.8	1622.1
35°	1459.6	1448.3	1436.1	1425.2	1418.1	1411.1	1418.1	1425.2	1436.1	1448.3	1459.6
37.5°	1262.4	1251.9	1238.8	1227.4	1221.5	1215.6	1221.5	1227.4	1238.8	1251.9	1262.4
40°	1109.8	1100.7	1091.3	1082.0	1073.0	1064.1	1073.0	1082.0	1091.3	1100.7	1109.8
42.5°	959.0	947.2	932.2	920.0	916.3	912.6	916.3	920.0	932.2	947.2	959.0
45°	724.5	719.3	702.4	677.6	629.1	580.7	629.1	677.6	702.4	719.3	724.5
47.5°	482.0	473.2	425.0	376.0	324.8	273.5	324.8	376.0	425.0	473.2	482.0
50°	340.0	331.1	259.2	200.9	183.5	166.1	183.5	200.9	259.2	331.1	340.0
52.5°	230.9	227.7	174.2	131.7	121.8	111.9	121.8	131.7	174.2	227.7	230.9
55°	105.5	105.1	82.5	64.9	62.1	59.2	62.1	64.9	82.5	105.1	105.5
57.5°	46.3	46.6	38.6	31.4	26.8	22.2	26.8	31.4	38.6	46.6	46.3
60°	25.3	24.6	16.6	9.5	5.3	1.1	5.3	9.5	16.6	24.6	25.3
62.5°	14.5	14.3	7.8	2.7	1.4	0.2	1.4	2.7	7.8	14.3	14.5
65°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.4	0.8	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°	1.6	2.1	2.6	2.9	3.2	3.0	3.2	2.9	2.6	2.1	1.6
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: P1427500

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-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: P1427500

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2114.5	2114.5	2114.5	2114.5
2.5°	2112.2	2118.5	2121.1	2123.8
5°	2111.7	2118.2	2120.6	2122.9
7.5°	2113.8	2118.5	2120.1	2121.7
10°	2116.9	2124.1	2124.6	2125.1
12.5°	2122.3	2132.6	2129.7	2126.7
15°	2123.3	2137.9	2129.9	2121.9
17.5°	2101.5	2120.7	2109.5	2098.2
20°	2072.2	2093.2	2080.0	2066.9
22.5°	2026.7	2046.9	2034.9	2022.9
25°	1939.6	1960.2	1952.2	1944.2
27.5°	1820.8	1837.2	1834.9	1832.7
30°	1733.7	1746.4	1746.4	1746.4
32.5°	1634.1	1643.4	1644.5	1645.7
35°	1469.9	1476.4	1471.2	1466.1
37.5°	1270.2	1275.6	1273.6	1271.6
40°	1118.8	1125.3	1124.9	1124.4
42.5°	967.6	971.6	962.1	952.6
45°	717.9	702.5	660.6	618.8
47.5°	451.2	415.2	363.1	311.0
50°	285.9	237.6	206.6	175.6
52.5°	183.6	144.7	130.9	117.2
55°	83.9	66.8	63.0	59.2
57.5°	37.9	30.3	25.2	20.1
60°	18.7	12.6	7.9	3.2
62.5°	8.3	3.3	2.0	0.6
65°	0.4	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°	1.3	0.8	0.5	0.2
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: P1427500

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-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: P1427500
 CATALOG NUMBER: SQ2W-BBM-K-025U-075D-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	0.14	1.00	0.88	1.73	2.60	0.35	1.21	1.09	1.94	2.81
	3H	0.00	0.71	0.71	1.46	2.36	0.16	0.92	0.92	1.66	2.57
	4H	0.00	0.56	0.63	1.31	2.23	0.06	0.77	0.84	1.52	2.44
	6H	0.00	0.40	0.53	1.16	2.08	0.00	0.61	0.74	1.37	2.29
	8H	0.00	0.31	0.49	1.08	2.01	0.00	0.51	0.70	1.29	2.22
	12H	0.00	0.22	0.43	0.99	1.94	0.00	0.43	0.64	1.20	2.15
4H	2H	0.00	0.57	0.64	1.32	2.24	0.07	0.78	0.85	1.53	2.45
	3H	0.00	0.25	0.46	1.04	1.96	0.00	0.46	0.67	1.25	2.17
	4H	0.00	0.08	0.36	0.87	1.83	0.00	0.29	0.57	1.08	2.04
	6H	0.00	0.00	0.27	0.71	1.68	0.00	0.11	0.48	0.92	1.89
	8H	0.00	0.00	0.21	0.61	1.58	0.00	0.01	0.42	0.82	1.79
	12H	0.00	0.00	0.16	0.52	1.50	0.00	0.00	0.36	0.73	1.71
8H	4H	0.00	0.00	0.21	0.61	1.58	0.00	0.01	0.42	0.82	1.79
	6H	0.00	0.00	0.11	0.46	1.43	0.00	0.00	0.32	0.67	1.64
	8H	0.00	0.00	0.06	0.35	1.35	0.00	0.00	0.27	0.56	1.55
	12H	0.00	0.00	0.00	0.24	1.29	0.00	0.00	0.20	0.45	1.50
12H	4H	0.00	0.00	0.16	0.52	1.50	0.00	0.00	0.36	0.73	1.71
	6H	0.00	0.00	0.06	0.35	1.35	0.00	0.00	0.27	0.56	1.55
	8H	0.00	0.00	0.00	0.24	1.29	0.00	0.00	0.20	0.45	1.50