

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: P1428639

Luminaire Tested: SQ2W-WBN-K-125U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428639
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-125U-075D-L935-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 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

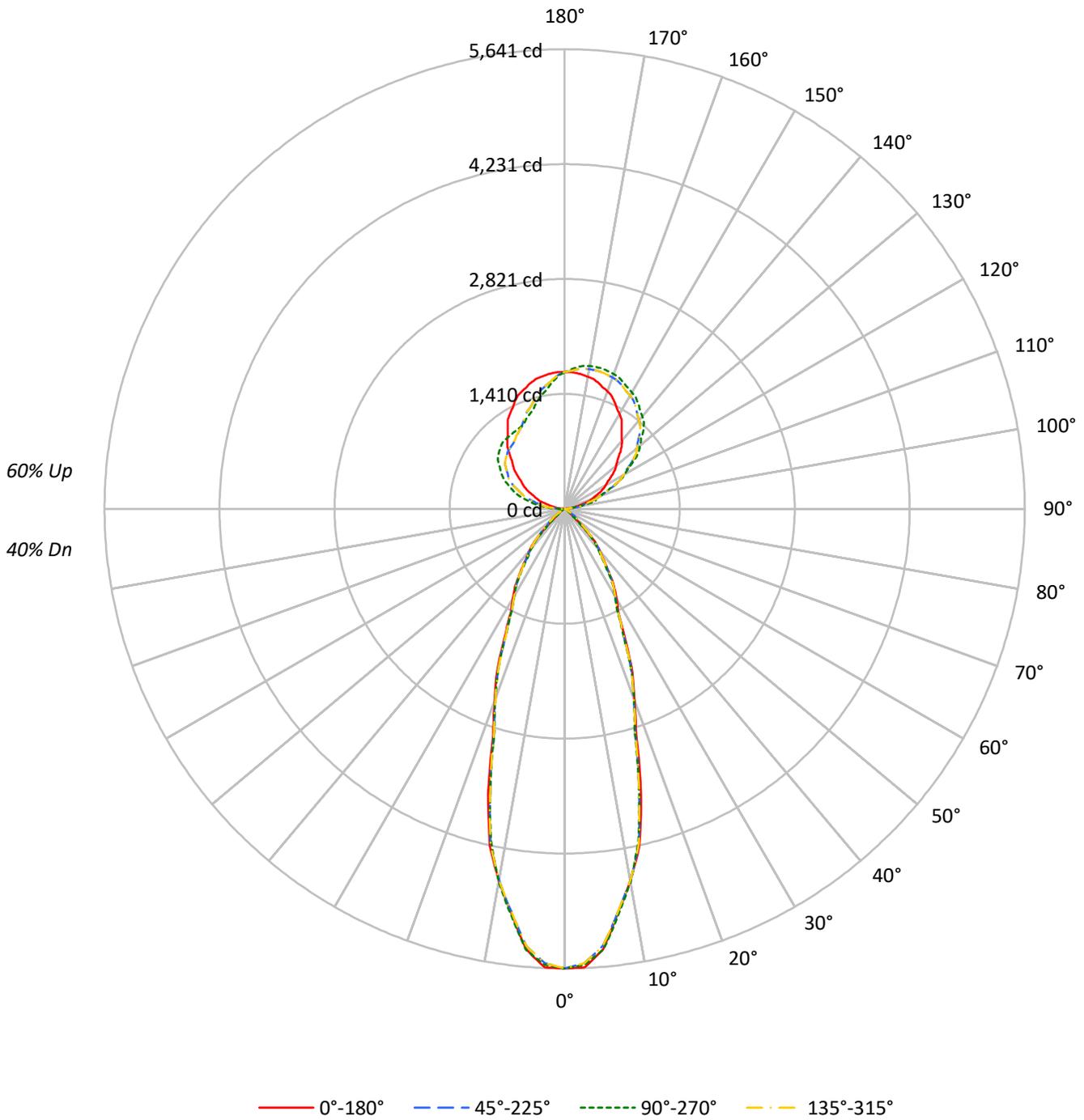
Lumens per Lamp: N/A
Luminaire Lumens: 8184.5 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 71.6
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	50	30	10	0	
RCR																						
0	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40				
1	97	94	91	88	89	86	83	81	71	69	67	57	56	55	44	44	43	37				
2	90	84	79	75	82	77	73	70	64	62	59	53	51	49	42	41	40	35				
3	84	76	70	65	77	70	65	61	59	55	53	49	46	44	39	38	36	32				
4	78	69	63	58	72	64	58	54	54	50	47	45	42	40	37	35	34	30				
5	73	63	56	51	67	59	53	48	50	46	43	42	39	37	35	33	31	28				
6	68	58	51	46	63	54	48	44	46	42	39	39	36	34	33	31	29	26				
7	64	53	47	42	59	50	44	40	43	39	36	37	34	31	31	29	27	25				
8	60	49	43	38	55	46	40	36	40	36	33	35	31	29	29	27	26	23				
9	56	46	39	35	52	43	37	34	38	33	30	33	29	27	28	26	24	22				
10	53	43	37	32	49	40	35	31	35	31	28	31	28	25	26	24	23	21				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	91077	91077	91077	91077
5°	87937	88034	87937	88034
10°	76010	76191	76010	76191
15°	60484	58812	60484	58812
20°	42968	42710	42968	42710
25°	30912	30092	30912	30092
30°	23619	22929	23619	22929
35°	18541	17751	18541	17751
40°	14047	13181	14047	13181
45°	7859	7014	7859	7014
50°	2765	2439	2765	2439
55°	1689	1604	1689	1604
60°	1292	1195	1292	1195
65°	1184	1108	1184	1108
70°	1133	1039	1133	1039
75°	1060	998	1060	998
80°	930	930	930	930
85°	926	741	926	741

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 9321 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.7	6.0
10°-20°	973.2	11.9
20°-30°	805.9	9.8
30°-40°	579.8	7.1
40°-50°	295.3	3.6
50°-60°	76.8	0.9
60°-70°	31.9	0.4
70°-80°	17.7	0.2
80°-90°	12.2	0.1
90°-100°	133.6	1.6
100°-110°	389.6	4.8
110°-120°	635.9	7.8
120°-130°	806.9	9.9
130°-140°	863.4	10.5
140°-150°	806.2	9.9
150°-160°	663.4	8.1
160°-170°	444.9	5.4
170°-180°	158.0	1.9
0°-30°	2268.8	27.7
0°-40°	2848.6	34.8
0°-60°	3220.8	39.4
0°-90°	3282.6	40.1
90°-120°	1159.2	14.2
90°-150°	3635.7	44.4
90°-180°	4902.0	59.9
0°-180°	8184.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5641	5641	5641	5641	5641	
5°	5426	5432	5426	5432	5426	489
15°	3618	3518	3618	3518	3618	982
25°	1735	1689	1735	1689	1735	816
35°	941	901	941	901	941	590
45°	344	307	344	307	344	275
55°	60	57	60	57	60	59
65°	31	29	31	29	31	31
75°	17	16	17	16	17	18
85°	5	4	5	4	5	5
90°	5	37	5	73	5	4
95°	53	39	53	229	53	63
105°	248	397	248	546	248	263
115°	475	658	475	811	475	468
125°	702	1043	702	994	702	628
135°	955	1365	955	1101	955	738
145°	1219	1574	1219	1124	1219	763
155°	1448	1709	1448	1167	1448	666
165°	1601	1782	1601	1343	1601	451
175°	1674	1745	1674	1575	1674	159
180°	1679	1679	1679	1679	1679	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0
2.5°	5632.2	5627.9	5623.6	5604.7	5580.8	5578.9	5598.8	5612.5	5607.5	5602.5	5607.5
5°	5425.8	5422.3	5418.7	5402.5	5382.0	5389.1	5423.8	5447.8	5439.8	5431.8	5439.8
7.5°	4999.7	5002.7	5005.8	4997.5	4985.4	4994.7	5025.3	5046.2	5037.7	5029.1	5037.7
10°	4636.3	4644.3	4652.3	4640.9	4623.1	4636.7	4681.6	4707.8	4677.5	4647.3	4677.5
12.5°	4235.2	4230.0	4224.9	4214.5	4202.4	4200.0	4207.2	4208.4	4191.7	4174.9	4191.7
15°	3618.5	3599.9	3581.2	3552.5	3520.5	3510.0	3521.1	3528.3	3523.4	3518.5	3523.4
17.5°	2914.7	2921.9	2929.1	2909.6	2881.4	2866.7	2865.6	2863.4	2857.9	2852.4	2857.9
20°	2500.8	2503.0	2505.2	2493.1	2476.2	2472.2	2481.1	2487.5	2486.6	2485.8	2486.6
22.5°	2167.7	2168.2	2168.6	2152.6	2131.1	2126.9	2140.0	2147.9	2139.9	2131.9	2139.9
25°	1735.2	1733.9	1732.6	1721.9	1708.1	1697.9	1691.2	1686.5	1687.9	1689.2	1687.9
27.5°	1423.0	1417.5	1412.0	1402.9	1392.5	1389.6	1394.0	1396.6	1393.3	1390.0	1393.3
30°	1266.9	1262.4	1258.0	1248.9	1238.2	1234.2	1236.9	1237.9	1233.9	1229.9	1233.9
32.5°	1126.8	1127.0	1127.1	1118.9	1107.9	1101.8	1100.5	1098.8	1095.9	1093.0	1095.9
35°	940.7	943.3	946.0	939.3	929.5	921.3	914.6	908.6	904.6	900.6	904.6
37.5°	774.5	777.0	779.5	773.9	765.7	756.6	746.9	738.7	735.3	731.9	735.3
40°	666.5	668.2	670.0	666.1	660.4	651.7	640.1	630.8	628.1	625.4	628.1
42.5°	548.8	556.3	563.7	561.3	555.5	547.2	536.3	526.7	520.8	515.0	520.8
45°	344.2	367.8	391.4	401.9	408.2	405.3	393.3	375.7	341.5	307.2	341.5
47.5°	174.1	206.8	239.4	262.9	283.2	276.7	243.4	209.9	176.3	142.7	176.3
50°	110.1	132.8	155.4	184.1	214.8	208.1	164.1	127.3	112.2	97.1	112.2
52.5°	84.5	96.1	107.8	135.0	167.5	164.4	125.7	94.6	86.2	77.9	86.2
55°	60.0	64.5	68.9	84.1	102.7	101.6	80.7	64.2	60.6	57.0	60.6
57.5°	46.4	48.9	51.4	57.0	63.7	63.1	55.2	48.7	46.5	44.2	46.5
60°	40.0	41.8	43.6	46.4	49.5	49.0	45.0	41.5	39.2	37.0	39.2
62.5°	36.0	37.1	38.2	39.4	40.8	40.1	37.6	35.4	34.6	33.8	34.6
65°	31.0	31.5	31.9	32.0	32.0	31.6	30.7	29.9	29.5	29.0	29.5
67.5°	26.4	26.9	27.3	27.4	27.3	27.0	26.6	26.1	25.7	25.2	25.7
70°	24.0	24.5	24.9	24.7	24.2	23.8	23.3	22.9	22.5	22.0	22.5
72.5°	20.8	21.3	21.7	21.5	21.0	20.8	20.7	20.5	20.1	19.6	20.1
75°	17.0	17.0	17.0	17.0	17.0	16.8	16.3	16.0	16.0	16.0	16.0
77.5°	13.2	13.3	13.4	13.1	12.6	12.4	12.4	12.3	12.0	11.6	12.0
80°	10.0	10.5	10.9	10.7	10.2	10.0	10.0	10.0	10.0	10.0	10.0
82.5°	8.4	8.5	8.6	8.3	7.8	7.6	7.6	7.6	7.6	7.6	7.6
85°	5.0	5.0	5.0	4.7	4.2	4.2	4.7	4.9	4.4	4.0	4.4
87.5°	2.6	4.0	5.7	7.0	8.0	8.4	8.4	8.7	9.1	9.1	9.1
90°	5.1	11.9	20.3	27.1	32.2	33.9	33.9	35.6	37.3	37.3	37.3
92.5°	18.7	29.5	29.8	29.8	36.3	39.3	42.1	42.4	44.1	44.1	44.1
95°	52.6	57.7	86.5	84.8	57.7	45.8	39.0	39.0	39.0	39.0	39.0
97.5°	100.4	107.9	112.6	150.9	159.4	154.0	125.5	105.5	94.3	89.2	94.3
100°	142.4	145.8	156.0	157.7	200.1	240.8	220.5	195.0	186.5	181.5	186.5
102.5°	184.5	186.5	202.1	209.3	219.1	242.2	312.7	304.9	299.1	298.1	299.1
105°	247.6	249.3	278.1	291.7	298.5	298.5	296.8	330.7	385.0	396.8	385.0
107.5°	315.1	322.9	356.8	393.1	400.9	402.9	394.1	389.0	387.0	388.3	387.0
110°	361.2	373.1	413.8	459.6	471.4	474.8	471.4	466.3	463.0	463.0	463.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	406.0	423.3	469.4	522.0	542.0	552.2	544.7	541.0	537.6	540.3	537.6
115°	474.8	500.3	561.3	615.6	656.3	661.4	659.7	659.7	658.0	658.0	658.0
117.5°	538.6	579.3	647.8	710.9	758.0	771.6	778.4	776.3	774.3	777.7	774.3
120°	583.4	630.8	708.9	780.1	825.9	846.2	853.0	849.6	853.0	849.6	853.0
122.5°	630.8	689.2	765.8	839.8	893.7	916.8	924.9	925.6	926.3	924.2	926.3
125°	702.1	773.3	863.2	939.5	995.4	1022.6	1029.4	1031.1	1034.4	1042.9	1034.4
127.5°	774.0	854.7	953.4	1027.0	1084.3	1117.2	1127.7	1131.4	1138.6	1142.3	1138.6
130°	824.2	915.7	1015.8	1085.3	1141.3	1176.9	1195.6	1200.6	1209.1	1207.4	1209.1
132.5°	877.1	972.7	1074.1	1146.4	1198.3	1236.6	1252.5	1267.1	1270.2	1272.5	1270.2
135°	954.7	1058.2	1159.9	1231.2	1280.3	1317.7	1338.0	1351.6	1360.0	1365.1	1360.0
137.5°	1036.5	1145.7	1243.4	1306.8	1356.3	1388.5	1411.6	1425.8	1434.7	1438.7	1434.7
140°	1092.1	1197.2	1292.2	1358.3	1402.4	1434.7	1455.0	1472.0	1482.1	1482.1	1482.1
142.5°	1145.0	1248.8	1341.1	1407.2	1445.9	1475.4	1497.1	1510.0	1521.5	1521.5	1521.5
145°	1219.3	1322.7	1407.5	1473.7	1505.9	1533.0	1556.8	1566.9	1573.7	1573.7	1573.7
147.5°	1297.0	1388.5	1465.9	1529.3	1556.4	1588.3	1607.0	1615.1	1623.6	1619.8	1623.6
150°	1343.1	1427.9	1502.5	1561.8	1589.0	1619.5	1638.2	1644.9	1653.4	1648.3	1653.4
152.5°	1387.9	1468.6	1536.4	1591.7	1614.8	1645.3	1666.6	1673.4	1679.2	1675.5	1679.2
155°	1448.2	1519.5	1582.2	1633.1	1653.4	1682.3	1702.6	1711.1	1717.9	1709.4	1717.9
157.5°	1502.2	1563.5	1618.1	1665.0	1686.7	1711.4	1730.4	1740.9	1747.7	1744.0	1747.7
160°	1534.7	1590.7	1639.9	1683.9	1704.3	1726.3	1746.7	1758.6	1765.3	1760.3	1765.3
162.5°	1561.8	1612.4	1658.8	1698.9	1716.5	1735.8	1760.3	1770.8	1777.6	1771.1	1777.6
165°	1600.9	1641.6	1682.3	1716.2	1731.4	1746.7	1772.1	1784.0	1789.1	1782.3	1789.1
167.5°	1630.4	1661.6	1694.5	1723.6	1734.8	1749.7	1775.2	1785.0	1791.5	1783.0	1791.5
170°	1646.6	1673.8	1702.6	1726.3	1734.8	1748.4	1773.8	1782.3	1787.4	1778.9	1787.4
172.5°	1660.2	1680.6	1704.0	1725.0	1729.4	1740.2	1764.3	1772.8	1776.5	1769.4	1776.5
175°	1673.8	1685.6	1702.6	1716.2	1714.5	1721.3	1741.6	1748.4	1755.2	1745.0	1755.2
177.5°	1680.2	1685.6	1691.1	1699.2	1693.8	1693.8	1708.7	1712.8	1714.1	1708.7	1714.1
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0
2.5°	5612.5	5598.8	5578.9	5580.8	5604.7	5623.6	5627.9	5632.2	5627.9	5623.6	5604.7
5°	5447.8	5423.8	5389.1	5382.0	5402.5	5418.7	5422.3	5425.8	5422.3	5418.7	5402.5
7.5°	5046.2	5025.3	4994.7	4985.4	4997.5	5005.8	5002.7	4999.7	5002.7	5005.8	4997.5
10°	4707.8	4681.6	4636.7	4623.1	4640.9	4652.3	4644.3	4636.3	4644.3	4652.3	4640.9
12.5°	4208.4	4207.2	4200.0	4202.4	4214.5	4224.9	4230.0	4235.2	4230.0	4224.9	4214.5
15°	3528.3	3521.1	3510.0	3520.5	3552.5	3581.2	3599.9	3618.5	3599.9	3581.2	3552.5
17.5°	2863.4	2865.6	2866.7	2881.4	2909.6	2929.1	2921.9	2914.7	2921.9	2929.1	2909.6
20°	2487.5	2481.1	2472.2	2476.2	2493.1	2505.2	2503.0	2500.8	2503.0	2505.2	2493.1
22.5°	2147.9	2140.0	2126.9	2131.1	2152.6	2168.6	2168.2	2167.7	2168.2	2168.6	2152.6
25°	1686.5	1691.2	1697.9	1708.1	1721.9	1732.6	1733.9	1735.2	1733.9	1732.6	1721.9
27.5°	1396.6	1394.0	1389.6	1392.5	1402.9	1412.0	1417.5	1423.0	1417.5	1412.0	1402.9
30°	1237.9	1236.9	1234.2	1238.2	1248.9	1258.0	1262.4	1266.9	1262.4	1258.0	1248.9
32.5°	1098.8	1100.5	1101.8	1107.9	1118.9	1127.1	1127.0	1126.8	1127.0	1127.1	1118.9
35°	908.6	914.6	921.3	929.5	939.3	946.0	943.3	940.7	943.3	946.0	939.3
37.5°	738.7	746.9	756.6	765.7	773.9	779.5	777.0	774.5	777.0	779.5	773.9
40°	630.8	640.1	651.7	660.4	666.1	670.0	668.2	666.5	668.2	670.0	666.1
42.5°	526.7	536.3	547.2	555.5	561.3	563.7	556.3	548.8	556.3	563.7	561.3
45°	375.7	393.3	405.3	408.2	401.9	391.4	367.8	344.2	367.8	391.4	401.9
47.5°	209.9	243.4	276.7	283.2	262.9	239.4	206.8	174.1	206.8	239.4	262.9
50°	127.3	164.1	208.1	214.8	184.1	155.4	132.8	110.1	132.8	155.4	184.1
52.5°	94.6	125.7	164.4	167.5	135.0	107.8	96.1	84.5	96.1	107.8	135.0
55°	64.2	80.7	101.6	102.7	84.1	68.9	64.5	60.0	64.5	68.9	84.1
57.5°	48.7	55.2	63.1	63.7	57.0	51.4	48.9	46.4	48.9	51.4	57.0
60°	41.5	45.0	49.0	49.5	46.4	43.6	41.8	40.0	41.8	43.6	46.4
62.5°	35.4	37.6	40.1	40.8	39.4	38.2	37.1	36.0	37.1	38.2	39.4
65°	29.9	30.7	31.6	32.0	32.0	31.9	31.5	31.0	31.5	31.9	32.0
67.5°	26.1	26.6	27.0	27.3	27.4	27.3	26.9	26.4	26.9	27.3	27.4
70°	22.9	23.3	23.8	24.2	24.7	24.9	24.5	24.0	24.5	24.9	24.7
72.5°	20.5	20.7	20.8	21.0	21.5	21.7	21.3	20.8	21.3	21.7	21.5
75°	16.0	16.3	16.8	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
77.5°	12.3	12.4	12.4	12.6	13.1	13.4	13.3	13.2	13.3	13.4	13.1
80°	10.0	10.0	10.0	10.2	10.7	10.9	10.5	10.0	10.5	10.9	10.7
82.5°	7.6	7.6	7.6	7.8	8.3	8.6	8.5	8.4	8.5	8.6	8.3
85°	4.9	4.7	4.2	4.2	4.7	5.0	5.0	5.0	5.0	5.0	4.7
87.5°	8.7	8.4	8.4	8.0	7.0	5.7	4.0	2.6	4.0	5.3	7.7
90°	35.6	33.9	33.9	32.2	27.1	20.3	11.9	5.1	11.9	18.7	30.5
92.5°	42.4	42.1	39.3	36.3	29.8	29.8	29.5	18.7	32.2	45.8	65.8
95°	39.0	39.0	45.8	57.7	84.8	86.5	57.7	52.6	74.6	105.1	132.3
97.5°	105.5	125.5	154.0	159.4	150.9	112.6	107.9	100.4	136.7	166.9	210.6
100°	195.0	220.5	240.8	200.1	157.7	156.0	145.8	142.4	181.5	210.3	252.7
102.5°	304.9	312.7	242.2	219.1	209.3	202.1	186.5	184.5	223.5	263.2	298.8
105°	330.7	296.8	298.5	298.5	291.7	278.1	249.3	247.6	291.7	337.5	381.6
107.5°	389.0	394.1	402.9	400.9	393.1	356.8	322.9	315.1	354.8	409.7	458.2
110°	466.3	471.4	474.8	471.4	459.6	413.8	373.1	361.2	396.8	454.5	507.0



TEST NUMBER: P1428639

CATALOG NUMBER: SQ2W-WBN-K-125U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	541.0	544.7	552.2	542.0	522.0	469.4	423.3	406.0	441.6	500.6	554.5
115°	659.7	659.7	661.4	656.3	615.6	561.3	500.3	474.8	505.4	559.6	619.0
117.5°	776.3	778.4	771.6	758.0	710.9	647.8	579.3	538.6	562.7	620.0	681.0
120°	849.6	853.0	846.2	825.9	780.1	708.9	630.8	583.4	602.0	658.0	719.0
122.5°	925.6	924.9	916.8	893.7	839.8	765.8	689.2	630.8	638.6	690.5	750.2
125°	1031.1	1029.4	1022.6	995.4	939.5	863.2	773.3	702.1	691.9	736.0	797.0
127.5°	1131.4	1127.7	1117.2	1084.3	1027.0	953.4	854.7	774.0	751.2	779.1	835.0
130°	1200.6	1195.6	1176.9	1141.3	1085.3	1015.8	915.7	824.2	791.9	808.9	858.1
132.5°	1267.1	1252.5	1236.6	1198.3	1146.4	1074.1	972.7	877.1	832.6	840.1	878.4
135°	1351.6	1338.0	1317.7	1280.3	1231.2	1159.9	1058.2	954.7	893.7	886.9	909.0
137.5°	1425.8	1411.6	1388.5	1356.3	1306.8	1243.4	1145.7	1036.5	959.5	936.8	945.2
140°	1472.0	1455.0	1434.7	1402.4	1358.3	1292.2	1197.2	1092.1	1005.6	973.4	968.3
142.5°	1510.0	1497.1	1475.4	1445.9	1407.2	1341.1	1248.8	1145.0	1053.1	1011.4	999.5
145°	1566.9	1556.8	1533.0	1505.9	1473.7	1407.5	1322.7	1219.3	1127.7	1073.5	1048.0
147.5°	1615.1	1607.0	1588.3	1556.4	1529.3	1465.9	1388.5	1297.0	1203.0	1135.9	1103.0
150°	1644.9	1638.2	1619.5	1589.0	1561.8	1502.5	1427.9	1343.1	1253.2	1182.0	1139.6
152.5°	1673.4	1666.6	1645.3	1614.8	1591.7	1536.4	1468.6	1387.9	1296.6	1225.4	1181.6
155°	1711.1	1702.6	1682.3	1653.4	1633.1	1582.2	1519.5	1448.2	1370.2	1295.6	1246.4
157.5°	1740.9	1730.4	1711.4	1686.7	1665.0	1618.1	1563.5	1502.2	1434.0	1362.8	1312.6
160°	1758.6	1746.7	1726.3	1704.3	1683.9	1639.9	1590.7	1534.7	1472.0	1407.5	1353.3
162.5°	1770.8	1760.3	1735.8	1716.5	1698.9	1658.8	1612.4	1561.8	1505.9	1449.6	1399.4
165°	1784.0	1772.1	1746.7	1731.4	1716.2	1682.3	1641.6	1600.9	1553.4	1507.6	1466.9
167.5°	1785.0	1775.2	1749.7	1734.8	1723.6	1694.5	1661.6	1630.4	1593.4	1557.4	1523.5
170°	1782.3	1773.8	1748.4	1734.8	1726.3	1702.6	1673.8	1646.6	1617.8	1587.3	1560.2
172.5°	1772.8	1764.3	1740.2	1729.4	1725.0	1704.0	1680.6	1660.2	1635.4	1613.1	1591.4
175°	1748.4	1741.6	1721.3	1714.5	1716.2	1702.6	1685.6	1673.8	1658.5	1644.9	1633.1
177.5°	1712.8	1708.7	1693.8	1693.8	1699.2	1691.1	1685.6	1680.2	1673.4	1669.4	1665.3
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1428639

CATALOG NUMBER: SQ2W-WBN-K-125U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0	5641.0
2.5°	5580.8	5578.9	5598.8	5612.5	5607.5	5602.5	5607.5	5612.5	5598.8	5578.9	5580.8
5°	5382.0	5389.1	5423.8	5447.8	5439.8	5431.8	5439.8	5447.8	5423.8	5389.1	5382.0
7.5°	4985.4	4994.7	5025.3	5046.2	5037.7	5029.1	5037.7	5046.2	5025.3	4994.7	4985.4
10°	4623.1	4636.7	4681.6	4707.8	4677.5	4647.3	4677.5	4707.8	4681.6	4636.7	4623.1
12.5°	4202.4	4200.0	4207.2	4208.4	4191.7	4174.9	4191.7	4208.4	4207.2	4200.0	4202.4
15°	3520.5	3510.0	3521.1	3528.3	3523.4	3518.5	3523.4	3528.3	3521.1	3510.0	3520.5
17.5°	2881.4	2866.7	2865.6	2863.4	2857.9	2852.4	2857.9	2863.4	2865.6	2866.7	2881.4
20°	2476.2	2472.2	2481.1	2487.5	2486.6	2485.8	2486.6	2487.5	2481.1	2472.2	2476.2
22.5°	2131.1	2126.9	2140.0	2147.9	2139.9	2131.9	2139.9	2147.9	2140.0	2126.9	2131.1
25°	1708.1	1697.9	1691.2	1686.5	1687.9	1689.2	1687.9	1686.5	1691.2	1697.9	1708.1
27.5°	1392.5	1389.6	1394.0	1396.6	1393.3	1390.0	1393.3	1396.6	1394.0	1389.6	1392.5
30°	1238.2	1234.2	1236.9	1237.9	1233.9	1229.9	1233.9	1237.9	1236.9	1234.2	1238.2
32.5°	1107.9	1101.8	1100.5	1098.8	1095.9	1093.0	1095.9	1098.8	1100.5	1101.8	1107.9
35°	929.5	921.3	914.6	908.6	904.6	900.6	904.6	908.6	914.6	921.3	929.5
37.5°	765.7	756.6	746.9	738.7	735.3	731.9	735.3	738.7	746.9	756.6	765.7
40°	660.4	651.7	640.1	630.8	628.1	625.4	628.1	630.8	640.1	651.7	660.4
42.5°	555.5	547.2	536.3	526.7	520.8	515.0	520.8	526.7	536.3	547.2	555.5
45°	408.2	405.3	393.3	375.7	341.5	307.2	341.5	375.7	393.3	405.3	408.2
47.5°	283.2	276.7	243.4	209.9	176.3	142.7	176.3	209.9	243.4	276.7	283.2
50°	214.8	208.1	164.1	127.3	112.2	97.1	112.2	127.3	164.1	208.1	214.8
52.5°	167.5	164.4	125.7	94.6	86.2	77.9	86.2	94.6	125.7	164.4	167.5
55°	102.7	101.6	80.7	64.2	60.6	57.0	60.6	64.2	80.7	101.6	102.7
57.5°	63.7	63.1	55.2	48.7	46.5	44.2	46.5	48.7	55.2	63.1	63.7
60°	49.5	49.0	45.0	41.5	39.2	37.0	39.2	41.5	45.0	49.0	49.5
62.5°	40.8	40.1	37.6	35.4	34.6	33.8	34.6	35.4	37.6	40.1	40.8
65°	32.0	31.6	30.7	29.9	29.5	29.0	29.5	29.9	30.7	31.6	32.0
67.5°	27.3	27.0	26.6	26.1	25.7	25.2	25.7	26.1	26.6	27.0	27.3
70°	24.2	23.8	23.3	22.9	22.5	22.0	22.5	22.9	23.3	23.8	24.2
72.5°	21.0	20.8	20.7	20.5	20.1	19.6	20.1	20.5	20.7	20.8	21.0
75°	17.0	16.8	16.3	16.0	16.0	16.0	16.0	16.0	16.3	16.8	17.0
77.5°	12.6	12.4	12.4	12.3	12.0	11.6	12.0	12.3	12.4	12.4	12.6
80°	10.2	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.2
82.5°	7.8	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.8
85°	4.2	4.2	4.7	4.9	4.4	4.0	4.4	4.9	4.7	4.2	4.2
87.5°	9.4	11.8	14.2	15.5	16.9	16.2	16.9	15.5	14.2	11.8	9.4
90°	39.0	50.9	62.7	69.5	76.3	72.9	76.3	69.5	62.7	50.9	39.0
92.5°	78.3	98.4	112.9	125.2	130.6	129.9	130.6	125.2	112.9	98.4	78.3
95°	157.7	181.5	205.2	222.2	232.3	228.9	232.3	222.2	205.2	181.5	157.7
97.5°	243.2	275.1	301.5	317.5	327.6	334.4	327.6	317.5	301.5	275.1	243.2
100°	300.2	330.7	361.2	379.9	396.8	403.6	396.8	379.9	361.2	330.7	300.2
102.5°	346.3	386.3	419.5	439.6	453.8	460.6	453.8	439.6	419.5	386.3	346.3
105°	422.3	464.7	500.3	525.7	541.0	546.1	541.0	525.7	500.3	464.7	422.3
107.5°	498.2	542.0	574.9	603.0	621.7	632.5	621.7	603.0	574.9	542.0	498.2
110°	557.9	593.5	629.1	654.6	673.2	680.0	673.2	654.6	629.1	593.5	557.9



TEST NUMBER: P1428639

CATALOG NUMBER: SQ2W-WBN-K-125U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	608.1	647.8	683.4	708.9	730.2	739.7	730.2	708.9	683.4	647.8	608.1
115°	678.3	730.9	763.1	786.9	802.1	810.6	802.1	786.9	763.1	730.9	678.3
117.5°	736.7	791.6	826.9	845.2	852.3	858.4	852.3	845.2	826.9	791.6	736.7
120°	773.3	824.2	864.9	888.6	897.1	900.5	897.1	888.6	864.9	824.2	773.3
122.5°	807.2	855.4	894.7	923.9	937.8	941.2	937.8	923.9	894.7	855.4	807.2
125°	854.7	900.5	941.2	970.0	985.3	993.7	985.3	970.0	941.2	900.5	854.7
127.5°	896.1	945.6	982.9	1009.0	1023.9	1030.7	1023.9	1009.0	982.9	945.6	896.1
130°	919.1	970.0	1007.3	1036.1	1049.7	1056.5	1049.7	1036.1	1007.3	970.0	919.1
132.5°	936.8	990.4	1029.0	1055.1	1070.1	1076.8	1070.1	1055.1	1029.0	990.4	936.8
135°	958.1	1014.1	1054.8	1080.2	1093.8	1100.6	1093.8	1080.2	1054.8	1014.1	958.1
137.5°	976.8	1027.7	1070.1	1096.9	1109.1	1113.5	1109.1	1096.9	1070.1	1027.7	976.8
140°	990.4	1034.4	1076.8	1102.3	1115.8	1117.5	1115.8	1102.3	1076.8	1034.4	990.4
142.5°	1008.0	1042.6	1079.6	1105.0	1118.6	1121.6	1118.6	1105.0	1079.6	1042.6	1008.0
145°	1039.5	1059.9	1085.3	1109.1	1120.9	1124.3	1120.9	1109.1	1085.3	1059.9	1039.5
147.5°	1079.2	1085.7	1098.9	1114.5	1126.0	1128.4	1126.0	1114.5	1098.9	1085.7	1079.2
150°	1109.1	1107.4	1112.5	1122.6	1132.8	1131.1	1132.8	1122.6	1112.5	1107.4	1109.1
152.5°	1143.0	1133.1	1132.8	1137.6	1142.3	1142.0	1142.3	1137.6	1132.8	1133.1	1143.0
155°	1200.6	1182.0	1171.8	1168.4	1168.4	1166.7	1168.4	1168.4	1171.8	1182.0	1200.6
157.5°	1264.1	1237.9	1222.7	1214.5	1212.2	1208.4	1212.2	1214.5	1222.7	1237.9	1264.1
160°	1307.5	1278.6	1263.4	1249.8	1244.7	1239.6	1244.7	1249.8	1263.4	1278.6	1307.5
162.5°	1348.2	1320.7	1304.1	1291.9	1286.8	1279.0	1286.8	1291.9	1304.1	1320.7	1348.2
165°	1414.3	1385.5	1366.8	1356.7	1349.9	1343.1	1349.9	1356.7	1366.8	1385.5	1414.3
167.5°	1480.4	1448.9	1436.7	1425.2	1418.7	1406.5	1418.7	1425.2	1436.7	1448.9	1480.4
170°	1521.1	1492.3	1485.5	1475.4	1463.5	1449.9	1463.5	1475.4	1485.5	1492.3	1521.1
172.5°	1556.4	1537.1	1530.3	1520.1	1516.4	1505.5	1516.4	1520.1	1530.3	1537.1	1556.4
175°	1607.6	1592.4	1592.4	1590.7	1585.6	1575.4	1585.6	1590.7	1592.4	1592.4	1607.6
177.5°	1650.4	1642.2	1647.7	1647.7	1646.3	1636.8	1646.3	1647.7	1647.7	1642.2	1650.4
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1428639

CATALOG NUMBER: SQ2W-WBN-K-125U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	5641.0	5641.0	5641.0	5641.0
2.5°	5604.7	5623.6	5627.9	5632.2
5°	5402.5	5418.7	5422.3	5425.8
7.5°	4997.5	5005.8	5002.7	4999.7
10°	4640.9	4652.3	4644.3	4636.3
12.5°	4214.5	4224.9	4230.0	4235.2
15°	3552.5	3581.2	3599.9	3618.5
17.5°	2909.6	2929.1	2921.9	2914.7
20°	2493.1	2505.2	2503.0	2500.8
22.5°	2152.6	2168.6	2168.2	2167.7
25°	1721.9	1732.6	1733.9	1735.2
27.5°	1402.9	1412.0	1417.5	1423.0
30°	1248.9	1258.0	1262.4	1266.9
32.5°	1118.9	1127.1	1127.0	1126.8
35°	939.3	946.0	943.3	940.7
37.5°	773.9	779.5	777.0	774.5
40°	666.1	670.0	668.2	666.5
42.5°	561.3	563.7	556.3	548.8
45°	401.9	391.4	367.8	344.2
47.5°	262.9	239.4	206.8	174.1
50°	184.1	155.4	132.8	110.1
52.5°	135.0	107.8	96.1	84.5
55°	84.1	68.9	64.5	60.0
57.5°	57.0	51.4	48.9	46.4
60°	46.4	43.6	41.8	40.0
62.5°	39.4	38.2	37.1	36.0
65°	32.0	31.9	31.5	31.0
67.5°	27.4	27.3	26.9	26.4
70°	24.7	24.9	24.5	24.0
72.5°	21.5	21.7	21.3	20.8
75°	17.0	17.0	17.0	17.0
77.5°	13.1	13.4	13.3	13.2
80°	10.7	10.9	10.5	10.0
82.5°	8.3	8.6	8.5	8.4
85°	4.7	5.0	5.0	5.0
87.5°	7.7	5.3	4.0	2.6
90°	30.5	18.7	11.9	5.1
92.5°	65.8	45.8	32.2	18.7
95°	132.3	105.1	74.6	52.6
97.5°	210.6	166.9	136.7	100.4
100°	252.7	210.3	181.5	142.4
102.5°	298.8	263.2	223.5	184.5
105°	381.6	337.5	291.7	247.6
107.5°	458.2	409.7	354.8	315.1
110°	507.0	454.5	396.8	361.2

TEST NUMBER: P1428639

CATALOG NUMBER: SQ2W-WBN-K-125U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	554.5	500.6	441.6	406.0
115°	619.0	559.6	505.4	474.8
117.5°	681.0	620.0	562.7	538.6
120°	719.0	658.0	602.0	583.4
122.5°	750.2	690.5	638.6	630.8
125°	797.0	736.0	691.9	702.1
127.5°	835.0	779.1	751.2	774.0
130°	858.1	808.9	791.9	824.2
132.5°	878.4	840.1	832.6	877.1
135°	909.0	886.9	893.7	954.7
137.5°	945.2	936.8	959.5	1036.5
140°	968.3	973.4	1005.6	1092.1
142.5°	999.5	1011.4	1053.1	1145.0
145°	1048.0	1073.5	1127.7	1219.3
147.5°	1103.0	1135.9	1203.0	1297.0
150°	1139.6	1182.0	1253.2	1343.1
152.5°	1181.6	1225.4	1296.6	1387.9
155°	1246.4	1295.6	1370.2	1448.2
157.5°	1312.6	1362.8	1434.0	1502.2
160°	1353.3	1407.5	1472.0	1534.7
162.5°	1399.4	1449.6	1505.9	1561.8
165°	1466.9	1507.6	1553.4	1600.9
167.5°	1523.5	1557.4	1593.4	1630.4
170°	1560.2	1587.3	1617.8	1646.6
172.5°	1591.4	1613.1	1635.4	1660.2
175°	1633.1	1644.9	1658.5	1673.8
177.5°	1665.3	1669.4	1673.4	1680.2
180°	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1428639
 CATALOG NUMBER: SQ2W-WBN-K-125U-075D-L935-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	0.79	1.44	1.86	2.49	3.91	0.42	1.07	1.49	2.12	3.53
	3H	2.02	2.59	3.10	3.65	5.09	1.63	2.20	2.71	3.26	4.70
	4H	2.53	3.08	3.62	4.14	5.58	2.14	2.68	3.23	3.74	5.19
	6H	2.88	3.38	3.98	4.45	5.90	2.47	2.97	3.57	4.03	5.49
	8H	3.03	3.50	4.13	4.58	6.03	2.60	3.08	3.71	4.16	5.61
	12H	3.12	3.57	4.22	4.64	6.11	2.67	3.12	3.78	4.19	5.66
4H	2H	1.10	1.65	2.20	2.71	4.15	0.80	1.34	1.90	2.40	3.85
	3H	2.60	3.05	3.70	4.14	5.59	2.26	2.71	3.36	3.80	5.25
	4H	3.25	3.66	4.35	4.74	6.22	2.89	3.31	4.00	4.39	5.86
	6H	3.73	4.09	4.85	5.19	6.66	3.35	3.70	4.46	4.80	6.27
	8H	3.95	4.27	5.06	5.37	6.85	3.54	3.87	4.65	4.97	6.45
	12H	4.08	4.38	5.20	5.48	6.97	3.65	3.95	4.77	5.05	6.54
8H	4H	3.41	3.73	4.52	4.83	6.31	3.09	3.42	4.20	4.51	6.00
	6H	4.04	4.31	5.17	5.45	6.93	3.69	3.95	4.82	5.09	6.57
	8H	4.36	4.59	5.50	5.71	7.21	3.98	4.21	5.11	5.33	6.83
	12H	4.59	4.79	5.73	5.90	7.45	4.18	4.38	5.31	5.49	7.03
12H	4H	3.38	3.68	4.51	4.78	6.27	3.08	3.37	4.20	4.48	5.97
	6H	4.08	4.31	5.21	5.43	6.93	3.74	3.97	4.87	5.09	6.59
	8H	4.43	4.63	5.56	5.74	7.28	4.06	4.26	5.19	5.37	6.91