

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: P1427638

Luminaire Tested: SQ2W-BBN-K-125U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427638
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBN-K-125U-125D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

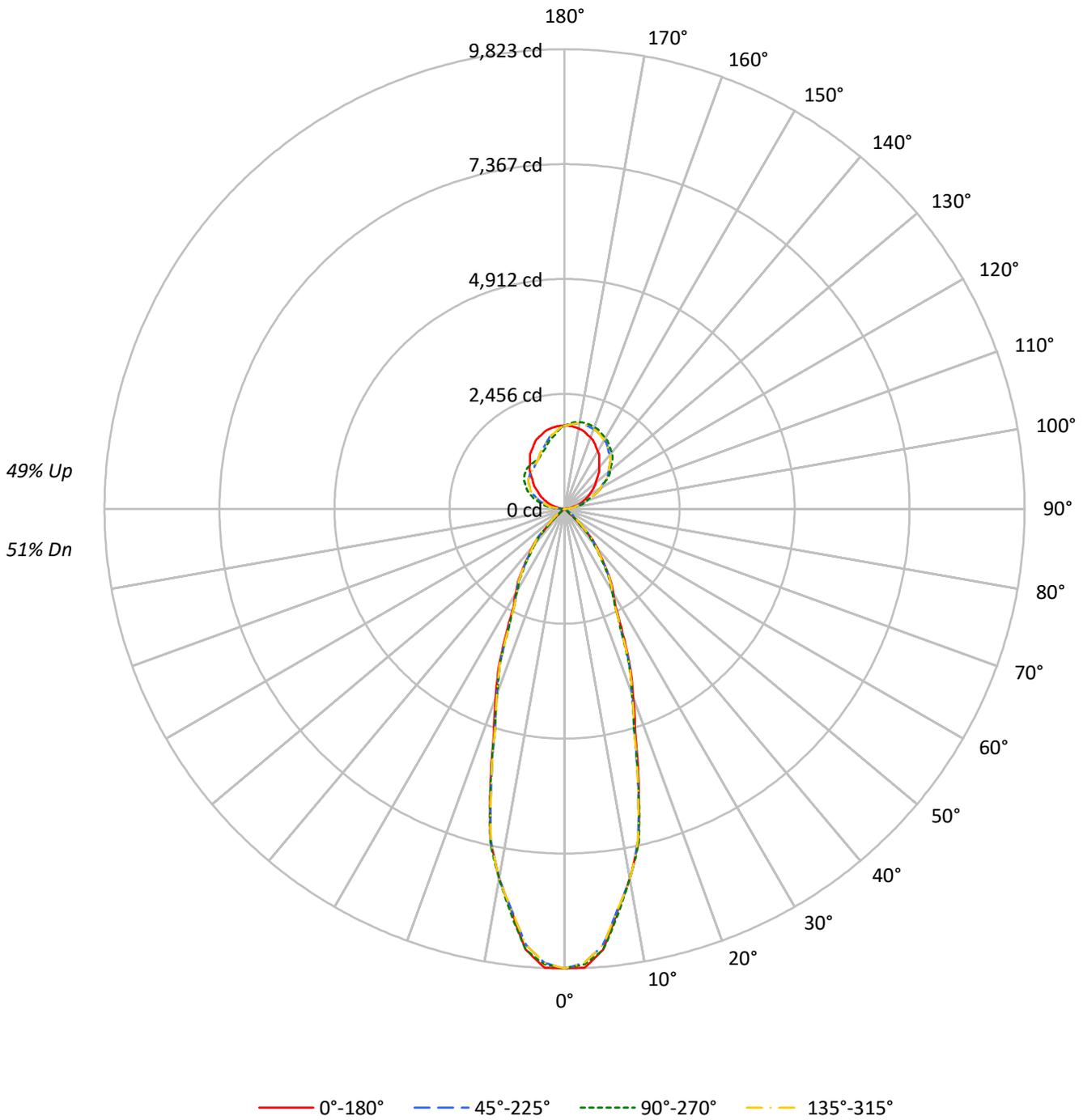
Lumens per Lamp: N/A
Luminaire Lumens: 10502.0 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 93.8
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: P1427638

CATALOG NUMBER: SQ2W-BBN-K-125U-125D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51				
1	100	97	94	91	93	90	88	85	77	75	74	65	64	63	54	53	53	48				
2	94	88	83	79	87	82	78	75	71	68	66	61	59	57	51	50	49	45				
3	88	80	75	70	81	75	70	66	66	62	59	57	54	52	48	47	45	42				
4	82	74	67	63	76	69	64	60	61	57	54	53	50	48	46	44	42	39				
5	77	68	61	57	72	64	58	54	56	52	49	50	47	44	43	41	40	37				
6	72	63	56	51	68	59	53	49	53	48	45	47	43	41	41	39	37	35				
7	68	58	52	47	64	55	49	45	49	45	42	44	41	38	39	37	35	33				
8	64	54	48	43	60	51	46	42	46	42	39	41	38	36	37	35	33	31				
9	61	51	44	40	57	48	43	39	44	39	36	39	36	34	35	33	31	29				
10	58	48	41	37	54	45	40	36	41	37	34	37	34	32	34	31	29	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	158591	158591	158591	158591
5°	153288	153374	153288	153374
10°	131552	131552	131552	131552
15°	102109	101874	102109	101874
20°	73694	72113	73694	72113
25°	52254	50266	52254	50266
30°	38877	37523	38877	37523
35°	30249	28854	30249	28854
40°	22385	20444	22385	20444
45°	11439	9216	11439	9216
50°	2489	1824	2489	1824
55°	698	549	698	549
60°	113	58	113	58
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: 13953 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	849.4	8.1
10°-20°	1674.6	15.9
20°-30°	1350.9	12.9
30°-40°	938.4	8.9
40°-50°	433.5	4.1
50°-60°	60.7	0.6
60°-70°	2.1	0.0
70°-80°	0.0	0.0
80°-90°	9.4	0.1
90°-100°	141.3	1.3
100°-110°	412.2	3.9
110°-120°	672.6	6.4
120°-130°	853.5	8.1
130°-140°	913.3	8.7
140°-150°	852.8	8.1
150°-160°	701.7	6.7
160°-170°	470.6	4.5
170°-180°	167.1	1.6
0°-30°	3874.9	36.9
0°-40°	4813.3	45.8
0°-60°	5307.5	50.5
0°-90°	5319.0	50.6
90°-120°	1226.1	11.7
90°-150°	3845.7	36.6
90°-180°	5185.0	49.4
0°-180°	10502.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9823	9823	9823	9823	9823	
5°	9458	9463	9458	9463	9458	850
15°	6109	6095	6109	6095	6109	1682
25°	2933	2822	2933	2822	2933	1373
35°	1535	1464	1535	1464	1535	960
45°	501	404	501	404	501	405
55°	25	20	25	20	25	31
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	5	40	5	77	5	4
95°	56	41	56	242	56	67
105°	262	420	262	578	262	279
115°	502	696	502	857	502	495
125°	743	1103	743	1051	743	664
135°	1010	1444	1010	1164	1010	780
145°	1290	1665	1290	1189	1290	807
155°	1532	1808	1532	1234	1532	704
165°	1693	1885	1693	1421	1693	477
175°	1770	1846	1770	1666	1770	168
180°	1776	1776	1776	1776	1776	



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CATALOG NUMBER: SQ2W-BBN-K-125U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6
2.5°	9817.0	9800.6	9784.2	9751.8	9714.1	9712.5	9747.1	9770.4	9759.7	9749.0	9759.7
5°	9458.0	9435.2	9412.3	9384.8	9355.7	9366.7	9417.8	9457.0	9460.1	9463.3	9460.1
7.5°	8665.6	8673.0	8680.4	8661.5	8633.8	8648.3	8704.9	8745.9	8739.8	8733.6	8739.8
10°	8024.1	8029.6	8035.2	8034.2	8031.0	8038.9	8057.8	8066.6	8045.4	8024.1	8045.4
12.5°	7280.7	7302.5	7324.4	7299.2	7258.3	7252.0	7280.3	7303.8	7312.8	7321.7	7312.8
15°	6108.8	6144.2	6179.6	6129.5	6050.8	6030.4	6068.1	6096.2	6095.5	6094.7	6095.5
17.5°	5009.9	5006.3	5002.7	4971.7	4931.6	4915.0	4922.1	4926.8	4924.5	4922.1	4924.5
20°	4289.1	4283.6	4278.1	4251.3	4217.5	4197.8	4192.3	4189.2	4193.1	4197.1	4193.1
22.5°	3671.7	3662.4	3653.1	3641.9	3630.1	3617.4	3603.7	3594.7	3599.9	3605.1	3599.9
25°	2933.2	2903.3	2873.4	2849.4	2827.3	2825.8	2844.6	2854.7	2838.2	2821.6	2838.2
27.5°	2354.3	2353.8	2353.4	2339.2	2320.5	2312.1	2314.2	2316.5	2319.7	2322.8	2319.7
30°	2085.3	2079.7	2074.2	2059.3	2041.2	2032.5	2033.3	2031.6	2022.1	2012.7	2022.1
32.5°	1845.9	1849.9	1853.8	1837.9	1815.4	1802.0	1797.8	1792.2	1782.8	1773.3	1782.8
35°	1534.7	1534.7	1534.7	1521.7	1504.4	1489.9	1478.1	1468.6	1466.3	1463.9	1466.3
37.5°	1246.2	1244.8	1243.4	1233.8	1221.5	1207.1	1190.4	1176.3	1170.2	1164.1	1170.2
40°	1062.1	1058.2	1054.2	1047.3	1039.5	1025.3	1004.9	987.4	978.7	970.0	978.7
42.5°	852.5	863.1	873.6	870.3	862.5	848.3	827.8	809.2	796.2	783.1	796.2
45°	501.0	545.0	589.1	604.8	611.1	602.4	578.8	543.6	473.6	403.6	473.6
47.5°	215.3	263.7	312.2	352.9	390.9	378.9	316.7	255.6	197.4	139.1	197.4
50°	99.1	136.9	174.7	225.4	280.5	269.1	191.2	126.1	99.3	72.6	99.3
52.5°	58.1	76.9	95.8	143.3	200.2	195.1	127.9	74.0	59.8	45.7	59.8
55°	24.8	31.1	37.4	63.1	95.4	93.8	58.4	30.5	25.0	19.5	25.0
57.5°	9.2	12.7	16.1	25.4	36.5	35.8	23.2	13.1	10.3	7.4	10.3
60°	3.5	5.1	6.7	11.2	16.7	16.3	10.0	4.9	3.3	1.8	3.3
62.5°	0.7	1.7	2.6	5.1	8.1	8.0	4.8	2.2	1.3	0.4	1.3
65°	0.0	0.0	0.0	0.6	1.4	1.4	0.6	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°	1.1	2.5	4.3	5.7	6.8	7.2	7.2	7.5	7.9	7.9	7.9
90°	5.4	12.6	21.5	28.7	34.1	35.9	35.9	37.7	39.5	39.5	39.5
92.5°	19.7	31.2	31.6	31.6	38.4	41.6	44.5	44.8	46.6	46.6	46.6
95°	55.6	61.0	91.5	89.7	61.0	48.4	41.3	41.3	41.3	41.3	41.3
97.5°	106.2	114.1	119.1	159.6	168.6	162.9	132.7	111.6	99.7	94.4	99.7
100°	150.7	154.3	165.0	166.8	211.7	254.7	233.2	206.3	197.3	191.9	197.3
102.5°	195.2	197.3	213.8	221.4	231.8	256.2	330.8	322.5	316.4	315.3	316.4
105°	261.9	263.7	294.2	308.5	315.7	315.7	313.9	349.8	407.2	419.7	407.2
107.5°	333.3	341.5	377.4	415.8	424.0	426.2	416.9	411.5	409.3	410.8	409.3
110°	382.1	394.6	437.7	486.1	498.7	502.3	498.7	493.3	489.7	489.7	489.7



TEST NUMBER: P1427638

CATALOG NUMBER: SQ2W-BBN-K-125U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	429.4	447.7	496.5	552.1	573.3	584.1	576.2	572.2	568.6	571.5	568.6
115°	502.3	529.2	593.7	651.1	694.2	699.6	697.8	697.8	696.0	696.0	696.0
117.5°	569.7	612.8	685.2	752.0	801.8	816.2	823.3	821.2	819.0	822.6	819.0
120°	617.1	667.3	749.8	825.1	873.6	895.1	902.3	898.7	902.3	898.7	902.3
122.5°	667.3	729.0	810.1	888.3	945.3	969.7	978.3	979.0	979.8	977.6	979.8
125°	742.6	818.0	913.0	993.8	1052.9	1081.6	1088.8	1090.6	1094.2	1103.2	1094.2
127.5°	818.7	904.1	1008.5	1086.3	1146.9	1181.7	1192.9	1196.8	1204.3	1208.3	1204.3
130°	871.8	968.6	1074.5	1148.0	1207.2	1244.9	1264.6	1270.0	1279.0	1277.2	1279.0
132.5°	927.7	1028.9	1136.2	1212.6	1267.5	1308.0	1324.9	1340.3	1343.5	1346.1	1343.5
135°	1009.9	1119.3	1226.9	1302.3	1354.3	1393.8	1415.3	1429.6	1438.6	1444.0	1438.6
137.5°	1096.4	1211.9	1315.2	1382.3	1434.7	1468.7	1493.1	1508.2	1517.5	1521.8	1517.5
140°	1155.2	1266.4	1366.9	1436.8	1483.5	1517.5	1539.1	1557.0	1567.8	1567.8	1567.8
142.5°	1211.2	1320.9	1418.5	1488.5	1529.4	1560.6	1583.5	1597.2	1609.4	1609.4	1609.4
145°	1289.7	1399.1	1488.8	1558.8	1592.9	1621.6	1646.7	1657.5	1664.6	1664.6	1664.6
147.5°	1371.9	1468.7	1550.5	1617.6	1646.3	1680.1	1699.8	1708.4	1717.4	1713.4	1717.4
150°	1420.7	1510.4	1589.3	1652.1	1680.8	1713.1	1732.8	1740.0	1748.9	1743.6	1748.9
152.5°	1468.0	1553.4	1625.2	1683.6	1708.0	1740.3	1762.9	1770.1	1776.2	1772.3	1776.2
155°	1531.9	1607.2	1673.6	1727.4	1748.9	1779.4	1801.0	1809.9	1817.1	1808.1	1817.1
157.5°	1588.9	1653.9	1711.6	1761.1	1784.1	1810.3	1830.4	1841.5	1848.7	1844.7	1848.7
160°	1623.4	1682.6	1734.6	1781.2	1802.7	1826.1	1847.6	1860.1	1867.3	1861.9	1867.3
162.5°	1652.1	1705.5	1754.7	1797.0	1815.7	1836.1	1861.9	1873.1	1880.2	1873.4	1880.2
165°	1693.3	1736.4	1779.4	1815.3	1831.4	1847.6	1874.5	1887.1	1892.4	1885.3	1892.4
167.5°	1724.5	1757.5	1792.3	1823.2	1835.0	1850.8	1877.7	1888.1	1894.9	1886.0	1894.9
170°	1741.8	1770.5	1801.0	1826.1	1835.0	1849.4	1876.3	1885.3	1890.6	1881.7	1890.6
172.5°	1756.1	1777.6	1802.4	1824.6	1829.3	1840.8	1866.2	1875.2	1879.2	1871.6	1879.2
175°	1770.5	1783.0	1801.0	1815.3	1813.5	1820.7	1842.2	1849.4	1856.6	1845.8	1856.6
177.5°	1777.3	1783.0	1788.8	1797.4	1791.6	1791.6	1807.4	1811.7	1813.2	1807.4	1813.2
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6
2.5°	9770.4	9747.1	9712.5	9714.1	9751.8	9784.2	9800.6	9817.0	9800.6	9784.2	9751.8
5°	9457.0	9417.8	9366.7	9355.7	9384.8	9412.3	9435.2	9458.0	9435.2	9412.3	9384.8
7.5°	8745.9	8704.9	8648.3	8633.8	8661.5	8680.4	8673.0	8665.6	8673.0	8680.4	8661.5
10°	8066.6	8057.8	8038.9	8031.0	8034.2	8035.2	8029.6	8024.1	8029.6	8035.2	8034.2
12.5°	7303.8	7280.3	7252.0	7258.3	7299.2	7324.4	7302.5	7280.7	7302.5	7324.4	7299.2
15°	6096.2	6068.1	6030.4	6050.8	6129.5	6179.6	6144.2	6108.8	6144.2	6179.6	6129.5
17.5°	4926.8	4922.1	4915.0	4931.6	4971.7	5002.7	5006.3	5009.9	5006.3	5002.7	4971.7
20°	4189.2	4192.3	4197.8	4217.5	4251.3	4278.1	4283.6	4289.1	4283.6	4278.1	4251.3
22.5°	3594.7	3603.7	3617.4	3630.1	3641.9	3653.1	3662.4	3671.7	3662.4	3653.1	3641.9
25°	2854.7	2844.6	2825.8	2827.3	2849.4	2873.4	2903.3	2933.2	2903.3	2873.4	2849.4
27.5°	2316.5	2314.2	2312.1	2320.5	2339.2	2353.4	2353.8	2354.3	2353.8	2353.4	2339.2
30°	2031.6	2033.3	2032.5	2041.2	2059.3	2074.2	2079.7	2085.3	2079.7	2074.2	2059.3
32.5°	1792.2	1797.8	1802.0	1815.4	1837.9	1853.8	1849.9	1845.9	1849.9	1853.8	1837.9
35°	1468.6	1478.1	1489.9	1504.4	1521.7	1534.7	1534.7	1534.7	1534.7	1534.7	1521.7
37.5°	1176.3	1190.4	1207.1	1221.5	1233.8	1243.4	1244.8	1246.2	1244.8	1243.4	1233.8
40°	987.4	1004.9	1025.3	1039.5	1047.3	1054.2	1058.2	1062.1	1058.2	1054.2	1047.3
42.5°	809.2	827.8	848.3	862.5	870.3	873.6	863.1	852.5	863.1	873.6	870.3
45°	543.6	578.8	602.4	611.1	604.8	589.1	545.0	501.0	545.0	589.1	604.8
47.5°	255.6	316.7	378.9	390.9	352.9	312.2	263.7	215.3	263.7	312.2	352.9
50°	126.1	191.2	269.1	280.5	225.4	174.7	136.9	99.1	136.9	174.7	225.4
52.5°	74.0	127.9	195.1	200.2	143.3	95.8	76.9	58.1	76.9	95.8	143.3
55°	30.5	58.4	93.8	95.4	63.1	37.4	31.1	24.8	31.1	37.4	63.1
57.5°	13.1	23.2	35.8	36.5	25.4	16.1	12.7	9.2	12.7	16.1	25.4
60°	4.9	10.0	16.3	16.7	11.2	6.7	5.1	3.5	5.1	6.7	11.2
62.5°	2.2	4.8	8.0	8.1	5.1	2.6	1.7	0.7	1.7	2.6	5.1
65°	0.0	0.6	1.4	1.4	0.6	0.0	0.0	0.0	0.0	0.0	0.6
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°	7.5	7.2	7.2	6.8	5.7	4.3	2.5	1.1	2.5	3.9	6.5
90°	37.7	35.9	35.9	34.1	28.7	21.5	12.6	5.4	12.6	19.7	32.3
92.5°	44.8	44.5	41.6	38.4	31.6	31.6	31.2	19.7	34.1	48.4	69.6
95°	41.3	41.3	48.4	61.0	89.7	91.5	61.0	55.6	78.9	111.2	139.9
97.5°	111.6	132.7	162.9	168.6	159.6	119.1	114.1	106.2	144.6	176.5	222.8
100°	206.3	233.2	254.7	211.7	166.8	165.0	154.3	150.7	191.9	222.4	267.3
102.5°	322.5	330.8	256.2	231.8	221.4	213.8	197.3	195.2	236.4	278.4	316.1
105°	349.8	313.9	315.7	315.7	308.5	294.2	263.7	261.9	308.5	357.0	403.6
107.5°	411.5	416.9	426.2	424.0	415.8	377.4	341.5	333.3	375.3	433.4	484.7
110°	493.3	498.7	502.3	498.7	486.1	437.7	394.6	382.1	419.7	480.7	536.3



TEST NUMBER: P1427638

CATALOG NUMBER: SQ2W-BBN-K-125U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	572.2	576.2	584.1	573.3	552.1	496.5	447.7	429.4	467.1	529.5	586.6
115°	697.8	697.8	699.6	694.2	651.1	593.7	529.2	502.3	534.5	591.9	654.7
117.5°	821.2	823.3	816.2	801.8	752.0	685.2	612.8	569.7	595.2	655.8	720.4
120°	898.7	902.3	895.1	873.6	825.1	749.8	667.3	617.1	636.8	696.0	760.6
122.5°	979.0	978.3	969.7	945.3	888.3	810.1	729.0	667.3	675.5	730.4	793.6
125°	1090.6	1088.8	1081.6	1052.9	993.8	913.0	818.0	742.6	731.9	778.5	843.1
127.5°	1196.8	1192.9	1181.7	1146.9	1086.3	1008.5	904.1	818.7	794.6	824.1	883.3
130°	1270.0	1264.6	1244.9	1207.2	1148.0	1074.5	968.6	871.8	837.7	855.6	907.7
132.5°	1340.3	1324.9	1308.0	1267.5	1212.6	1136.2	1028.9	927.7	880.7	888.6	929.2
135°	1429.6	1415.3	1393.8	1354.3	1302.3	1226.9	1119.3	1009.9	945.3	938.1	961.5
137.5°	1508.2	1493.1	1468.7	1434.7	1382.3	1315.2	1211.9	1096.4	1014.9	990.9	999.9
140°	1557.0	1539.1	1517.5	1483.5	1436.8	1366.9	1266.4	1155.2	1063.7	1029.6	1024.2
142.5°	1597.2	1583.5	1560.6	1529.4	1488.5	1418.5	1320.9	1211.2	1113.9	1069.8	1057.3
145°	1657.5	1646.7	1621.6	1592.9	1558.8	1488.8	1399.1	1289.7	1192.9	1135.5	1108.6
147.5°	1708.4	1699.8	1680.1	1646.3	1617.6	1550.5	1468.7	1371.9	1272.5	1201.5	1166.7
150°	1740.0	1732.8	1713.1	1680.8	1652.1	1589.3	1510.4	1420.7	1325.6	1250.3	1205.4
152.5°	1770.1	1762.9	1740.3	1708.0	1683.6	1625.2	1553.4	1468.0	1371.5	1296.2	1249.9
155°	1809.9	1801.0	1779.4	1748.9	1727.4	1673.6	1607.2	1531.9	1449.4	1370.4	1318.4
157.5°	1841.5	1830.4	1810.3	1784.1	1761.1	1711.6	1653.9	1588.9	1516.8	1441.5	1388.4
160°	1860.1	1847.6	1826.1	1802.7	1781.2	1734.6	1682.6	1623.4	1557.0	1488.8	1431.4
162.5°	1873.1	1861.9	1836.1	1815.7	1797.0	1754.7	1705.5	1652.1	1592.9	1533.3	1480.2
165°	1887.1	1874.5	1847.6	1831.4	1815.3	1779.4	1736.4	1693.3	1643.1	1594.7	1551.6
167.5°	1888.1	1877.7	1850.8	1835.0	1823.2	1792.3	1757.5	1724.5	1685.4	1647.4	1611.5
170°	1885.3	1876.3	1849.4	1835.0	1826.1	1801.0	1770.5	1741.8	1711.3	1679.0	1650.3
172.5°	1875.2	1866.2	1840.8	1829.3	1824.6	1802.4	1777.6	1756.1	1729.9	1706.2	1683.3
175°	1849.4	1842.2	1820.7	1813.5	1815.3	1801.0	1783.0	1770.5	1754.3	1740.0	1727.4
177.5°	1811.7	1807.4	1791.6	1791.6	1797.4	1788.8	1783.0	1777.3	1770.1	1765.8	1761.5
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1427638

CATALOG NUMBER: SQ2W-BBN-K-125U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6
2.5°	9714.1	9712.5	9747.1	9770.4	9759.7	9749.0	9759.7	9770.4	9747.1	9712.5	9714.1
5°	9355.7	9366.7	9417.8	9457.0	9460.1	9463.3	9460.1	9457.0	9417.8	9366.7	9355.7
7.5°	8633.8	8648.3	8704.9	8745.9	8739.8	8733.6	8739.8	8745.9	8704.9	8648.3	8633.8
10°	8031.0	8038.9	8057.8	8066.6	8045.4	8024.1	8045.4	8066.6	8057.8	8038.9	8031.0
12.5°	7258.3	7252.0	7280.3	7303.8	7312.8	7321.7	7312.8	7303.8	7280.3	7252.0	7258.3
15°	6050.8	6030.4	6068.1	6096.2	6095.5	6094.7	6095.5	6096.2	6068.1	6030.4	6050.8
17.5°	4931.6	4915.0	4922.1	4926.8	4924.5	4922.1	4924.5	4926.8	4922.1	4915.0	4931.6
20°	4217.5	4197.8	4192.3	4189.2	4193.1	4197.1	4193.1	4189.2	4192.3	4197.8	4217.5
22.5°	3630.1	3617.4	3603.7	3594.7	3599.9	3605.1	3599.9	3594.7	3603.7	3617.4	3630.1
25°	2827.3	2825.8	2844.6	2854.7	2838.2	2821.6	2838.2	2854.7	2844.6	2825.8	2827.3
27.5°	2320.5	2312.1	2314.2	2316.5	2319.7	2322.8	2319.7	2316.5	2314.2	2312.1	2320.5
30°	2041.2	2032.5	2033.3	2031.6	2022.1	2012.7	2022.1	2031.6	2033.3	2032.5	2041.2
32.5°	1815.4	1802.0	1797.8	1792.2	1782.8	1773.3	1782.8	1792.2	1797.8	1802.0	1815.4
35°	1504.4	1489.9	1478.1	1468.6	1466.3	1463.9	1466.3	1468.6	1478.1	1489.9	1504.4
37.5°	1221.5	1207.1	1190.4	1176.3	1170.2	1164.1	1170.2	1176.3	1190.4	1207.1	1221.5
40°	1039.5	1025.3	1004.9	987.4	978.7	970.0	978.7	987.4	1004.9	1025.3	1039.5
42.5°	862.5	848.3	827.8	809.2	796.2	783.1	796.2	809.2	827.8	848.3	862.5
45°	611.1	602.4	578.8	543.6	473.6	403.6	473.6	543.6	578.8	602.4	611.1
47.5°	390.9	378.9	316.7	255.6	197.4	139.1	197.4	255.6	316.7	378.9	390.9
50°	280.5	269.1	191.2	126.1	99.3	72.6	99.3	126.1	191.2	269.1	280.5
52.5°	200.2	195.1	127.9	74.0	59.8	45.7	59.8	74.0	127.9	195.1	200.2
55°	95.4	93.8	58.4	30.5	25.0	19.5	25.0	30.5	58.4	93.8	95.4
57.5°	36.5	35.8	23.2	13.1	10.3	7.4	10.3	13.1	23.2	35.8	36.5
60°	16.7	16.3	10.0	4.9	3.3	1.8	3.3	4.9	10.0	16.3	16.7
62.5°	8.1	8.0	4.8	2.2	1.3	0.4	1.3	2.2	4.8	8.0	8.1
65°	1.4	1.4	0.6	0.0	0.0	0.0	0.0	0.6	1.4	1.4	1.4
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°	8.3	10.8	13.3	14.7	16.1	15.4	16.1	14.7	13.3	10.8	8.3
90°	41.3	53.8	66.4	73.5	80.7	77.1	80.7	73.5	66.4	53.8	41.3
92.5°	82.9	104.0	119.5	132.4	138.1	137.4	138.1	132.4	119.5	104.0	82.9
95°	166.8	191.9	217.0	235.0	245.7	242.2	245.7	235.0	217.0	191.9	166.8
97.5°	257.2	291.0	318.9	335.8	346.6	353.7	346.6	335.8	318.9	291.0	257.2
100°	317.5	349.8	382.1	401.8	419.7	426.9	419.7	401.8	382.1	349.8	317.5
102.5°	366.3	408.6	443.8	464.9	480.0	487.2	480.0	464.9	443.8	408.6	366.3
105°	446.7	491.5	529.2	556.1	572.2	577.6	572.2	556.1	529.2	491.5	446.7
107.5°	527.0	573.3	608.1	637.9	657.6	669.1	657.6	637.9	608.1	573.3	527.0
110°	590.2	627.8	665.5	692.4	712.1	719.3	712.1	692.4	665.5	627.8	590.2



TEST NUMBER: P1427638

CATALOG NUMBER: SQ2W-BBN-K-125U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	643.2	685.2	722.9	749.8	772.4	782.4	772.4	749.8	722.9	685.2	643.2
115°	717.5	773.1	807.2	832.3	848.5	857.4	848.5	832.3	807.2	773.1	717.5
117.5°	779.2	837.3	874.6	894.0	901.6	908.0	901.6	894.0	874.6	837.3	779.2
120°	818.0	871.8	914.8	939.9	948.9	952.5	948.9	939.9	914.8	871.8	818.0
122.5°	853.8	904.8	946.4	977.3	992.0	995.5	992.0	977.3	946.4	904.8	853.8
125°	904.1	952.5	995.5	1026.0	1042.2	1051.2	1042.2	1026.0	995.5	952.5	904.1
127.5°	947.8	1000.2	1039.7	1067.3	1083.1	1090.3	1083.1	1067.3	1039.7	1000.2	947.8
130°	972.2	1026.0	1065.5	1096.0	1110.3	1117.5	1110.3	1096.0	1065.5	1026.0	972.2
132.5°	990.9	1047.6	1088.5	1116.1	1131.9	1139.0	1131.9	1116.1	1088.5	1047.6	990.9
135°	1013.5	1072.7	1115.7	1142.6	1157.0	1164.2	1157.0	1142.6	1115.7	1072.7	1013.5
137.5°	1033.2	1087.0	1131.9	1160.2	1173.1	1177.8	1173.1	1160.2	1131.9	1087.0	1033.2
140°	1047.6	1094.2	1139.0	1166.0	1180.3	1182.1	1180.3	1166.0	1139.0	1094.2	1047.6
142.5°	1066.2	1102.8	1141.9	1168.8	1183.2	1186.4	1183.2	1168.8	1141.9	1102.8	1066.2
145°	1099.6	1121.1	1148.0	1173.1	1185.7	1189.3	1185.7	1173.1	1148.0	1121.1	1099.6
147.5°	1141.6	1148.4	1162.4	1178.9	1191.1	1193.6	1191.1	1178.9	1162.4	1148.4	1141.6
150°	1173.1	1171.3	1176.7	1187.5	1198.2	1196.5	1198.2	1187.5	1176.7	1171.3	1173.1
152.5°	1209.0	1198.6	1198.2	1203.3	1208.3	1207.9	1208.3	1203.3	1198.2	1198.6	1209.0
155°	1270.0	1250.3	1239.5	1235.9	1235.9	1234.1	1235.9	1235.9	1239.5	1250.3	1270.0
157.5°	1337.1	1309.5	1293.3	1284.7	1282.2	1278.2	1282.2	1284.7	1293.3	1309.5	1337.1
160°	1383.0	1352.5	1336.4	1322.0	1316.6	1311.3	1316.6	1322.0	1336.4	1352.5	1383.0
162.5°	1426.1	1397.0	1379.4	1366.5	1361.1	1352.9	1361.1	1366.5	1379.4	1397.0	1426.1
165°	1496.0	1465.5	1445.8	1435.0	1427.8	1420.7	1427.8	1435.0	1445.8	1465.5	1496.0
167.5°	1566.0	1532.6	1519.7	1507.5	1500.7	1487.8	1500.7	1507.5	1519.7	1532.6	1566.0
170°	1609.0	1578.5	1571.4	1560.6	1548.0	1533.7	1548.0	1560.6	1571.4	1578.5	1609.0
172.5°	1646.3	1625.9	1618.7	1607.9	1604.0	1592.5	1604.0	1607.9	1618.7	1625.9	1646.3
175°	1700.5	1684.4	1684.4	1682.6	1677.2	1666.4	1677.2	1682.6	1684.4	1684.4	1700.5
177.5°	1745.7	1737.1	1742.8	1742.8	1741.4	1731.4	1741.4	1742.8	1742.8	1737.1	1745.7
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1427638

CATALOG NUMBER: SQ2W-BBN-K-125U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	9822.6	9822.6	9822.6	9822.6
2.5°	9751.8	9784.2	9800.6	9817.0
5°	9384.8	9412.3	9435.2	9458.0
7.5°	8661.5	8680.4	8673.0	8665.6
10°	8034.2	8035.2	8029.6	8024.1
12.5°	7299.2	7324.4	7302.5	7280.7
15°	6129.5	6179.6	6144.2	6108.8
17.5°	4971.7	5002.7	5006.3	5009.9
20°	4251.3	4278.1	4283.6	4289.1
22.5°	3641.9	3653.1	3662.4	3671.7
25°	2849.4	2873.4	2903.3	2933.2
27.5°	2339.2	2353.4	2353.8	2354.3
30°	2059.3	2074.2	2079.7	2085.3
32.5°	1837.9	1853.8	1849.9	1845.9
35°	1521.7	1534.7	1534.7	1534.7
37.5°	1233.8	1243.4	1244.8	1246.2
40°	1047.3	1054.2	1058.2	1062.1
42.5°	870.3	873.6	863.1	852.5
45°	604.8	589.1	545.0	501.0
47.5°	352.9	312.2	263.7	215.3
50°	225.4	174.7	136.9	99.1
52.5°	143.3	95.8	76.9	58.1
55°	63.1	37.4	31.1	24.8
57.5°	25.4	16.1	12.7	9.2
60°	11.2	6.7	5.1	3.5
62.5°	5.1	2.6	1.7	0.7
65°	0.6	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°	6.5	3.9	2.5	1.1
90°	32.3	19.7	12.6	5.4
92.5°	69.6	48.4	34.1	19.7
95°	139.9	111.2	78.9	55.6
97.5°	222.8	176.5	144.6	106.2
100°	267.3	222.4	191.9	150.7
102.5°	316.1	278.4	236.4	195.2
105°	403.6	357.0	308.5	261.9
107.5°	484.7	433.4	375.3	333.3
110°	536.3	480.7	419.7	382.1



TEST NUMBER: P1427638

CATALOG NUMBER: SQ2W-BBN-K-125U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	586.6	529.5	467.1	429.4
115°	654.7	591.9	534.5	502.3
117.5°	720.4	655.8	595.2	569.7
120°	760.6	696.0	636.8	617.1
122.5°	793.6	730.4	675.5	667.3
125°	843.1	778.5	731.9	742.6
127.5°	883.3	824.1	794.6	818.7
130°	907.7	855.6	837.7	871.8
132.5°	929.2	888.6	880.7	927.7
135°	961.5	938.1	945.3	1009.9
137.5°	999.9	990.9	1014.9	1096.4
140°	1024.2	1029.6	1063.7	1155.2
142.5°	1057.3	1069.8	1113.9	1211.2
145°	1108.6	1135.5	1192.9	1289.7
147.5°	1166.7	1201.5	1272.5	1371.9
150°	1205.4	1250.3	1325.6	1420.7
152.5°	1249.9	1296.2	1371.5	1468.0
155°	1318.4	1370.4	1449.4	1531.9
157.5°	1388.4	1441.5	1516.8	1588.9
160°	1431.4	1488.8	1557.0	1623.4
162.5°	1480.2	1533.3	1592.9	1652.1
165°	1551.6	1594.7	1643.1	1693.3
167.5°	1611.5	1647.4	1685.4	1724.5
170°	1650.3	1679.0	1711.3	1741.8
172.5°	1683.3	1706.2	1729.9	1756.1
175°	1727.4	1740.0	1754.3	1770.5
177.5°	1761.5	1765.8	1770.1	1777.3
180°	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1427638

CATALOG NUMBER: SQ2W-BBN-K-125U-125D-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	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
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	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