

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: P1428067

Luminaire Tested: SQ2W-PP3-K-075U-075D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428067
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PP3-K-075U-075D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

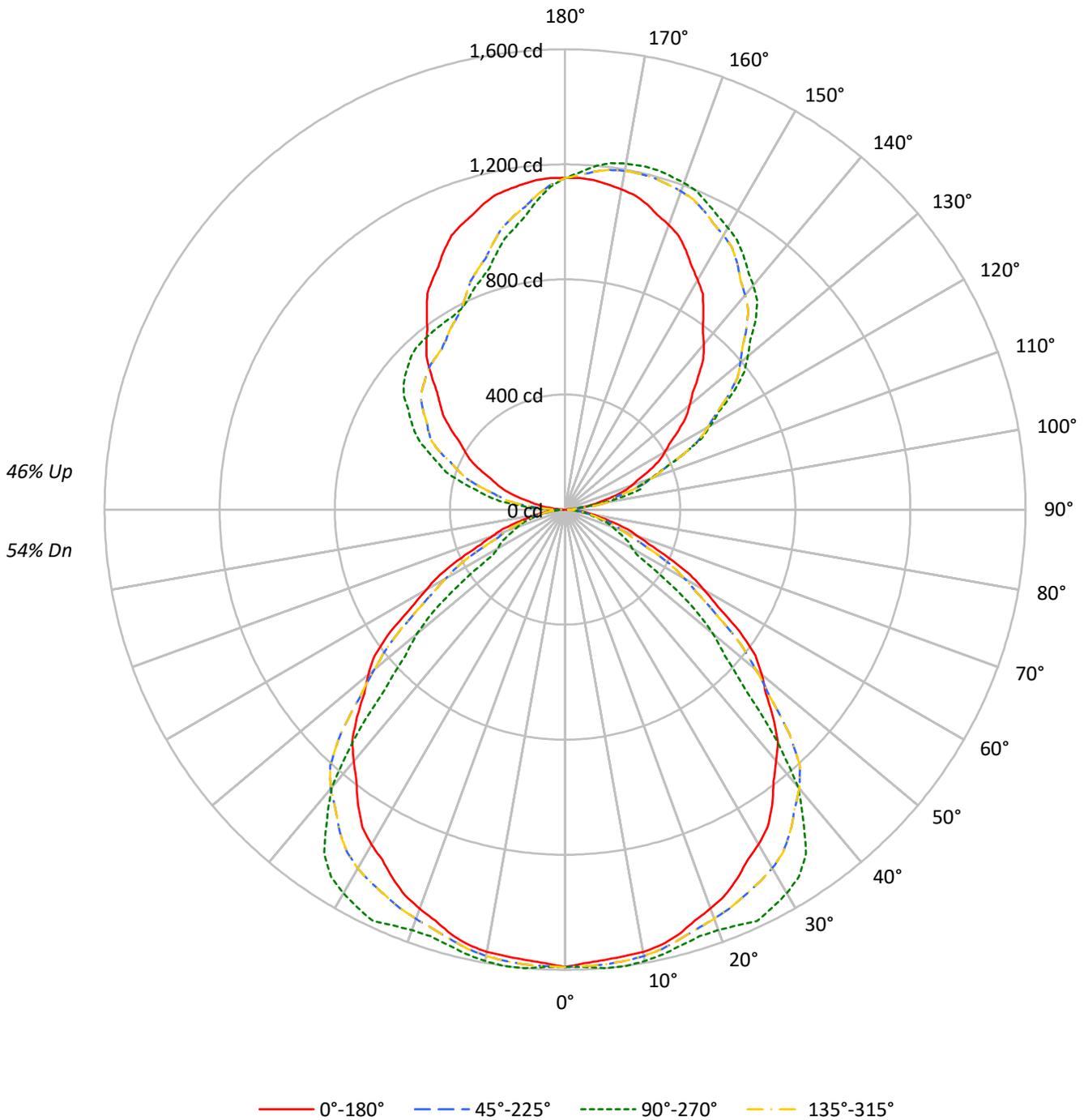
Lumens per Lamp: N/A
Luminaire Lumens: 7375.4 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 50.3
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20				
RC	80					70					50					30				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54		
1	99	95	92	88	92	89	85	83	76	74	72	65	63	62	54	53	52	47		
2	91	84	78	73	84	78	73	69	67	64	60	57	55	52	48	46	45	40		
3	83	74	67	61	77	69	63	58	60	55	51	51	48	45	43	41	38	35		
4	76	66	58	52	71	62	55	49	53	48	44	46	42	39	39	36	34	30		
5	70	59	51	45	65	55	48	43	48	42	38	41	37	34	35	32	29	26		
6	65	53	45	39	60	50	42	37	43	38	33	37	33	30	32	29	26	23		
7	60	48	40	35	56	45	38	33	39	34	30	34	30	26	29	26	23	21		
8	56	43	36	31	52	41	34	29	36	30	26	31	27	24	27	23	21	19		
9	52	40	32	27	48	37	31	26	33	27	24	29	24	21	25	21	19	17		
10	48	36	29	25	45	34	28	23	30	25	21	27	22	19	23	20	17	15		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	25678	25678	25678	25678
5°	25476	25940	25476	25940
10°	25605	26130	25605	26130
15°	25544	26191	25544	26191
20°	25362	26719	25362	26719
25°	25218	28122	25218	28122
30°	25073	28711	25073	28711
35°	24720	28763	24720	28763
40°	24059	26575	24059	26575
45°	23340	20230	23340	20230
50°	22423	16849	22423	16849
55°	20870	12115	20870	12115
60°	17970	8686	17970	8686
65°	15159	8542	15159	8542
70°	12618	8176	12618	8176
75°	10698	7654	10698	7654
80°	9065	6880	9065	6880
85°	7169	3742	7169	3742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 25532 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.4	2.1
10°-20°	438.3	5.9
20°-30°	686.6	9.3
30°-40°	847.0	11.5
40°-50°	797.4	10.8
50°-60°	564.7	7.7
60°-70°	321.7	4.4
70°-80°	159.3	2.2
80°-90°	43.7	0.6
90°-100°	91.7	1.2
100°-110°	267.5	3.6
110°-120°	436.5	5.9
120°-130°	553.9	7.5
130°-140°	592.7	8.0
140°-150°	553.5	7.5
150°-160°	455.4	6.2
160°-170°	305.4	4.1
170°-180°	108.5	1.5
0°-30°	1276.4	17.3
0°-40°	2123.4	28.8
0°-60°	3485.5	47.3
0°-90°	4010.2	54.4
90°-120°	795.8	10.8
90°-150°	2495.9	33.8
90°-180°	3365.0	45.6
0°-180°	7375.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1590	1590	1590	1590	1590	
5°	1572	1600	1572	1600	1572	150
15°	1528	1567	1528	1567	1528	431
25°	1416	1579	1416	1579	1416	652
35°	1254	1459	1254	1459	1254	782
45°	1022	886	1022	886	1022	787
55°	741	430	741	430	741	654
65°	397	224	397	224	397	398
75°	172	123	172	123	172	186
85°	39	20	39	20	39	45
90°	4	26	4	50	4	4
95°	36	27	36	157	36	44
105°	170	272	170	375	170	181
115°	326	452	326	556	326	321
125°	482	716	482	682	482	431
135°	655	937	655	756	655	506
145°	837	1080	837	772	837	524
155°	994	1174	994	801	994	457
165°	1099	1224	1099	922	1099	309
175°	1149	1198	1149	1082	1149	109
180°	1153	1153	1153	1153	1153	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4
2.5°	1578.3	1588.5	1598.6	1596.2	1589.7	1587.0	1588.2	1589.4	1590.5	1591.7	1590.5
5°	1571.9	1584.6	1597.3	1595.4	1588.7	1586.1	1587.6	1590.0	1595.3	1600.5	1595.3
7.5°	1565.9	1578.9	1591.9	1590.2	1583.6	1581.6	1584.1	1587.6	1594.1	1600.5	1594.1
10°	1561.8	1573.0	1584.2	1582.6	1576.6	1575.5	1579.2	1583.3	1588.5	1593.8	1588.5
12.5°	1549.7	1560.3	1570.9	1569.6	1564.2	1563.9	1568.9	1573.7	1578.4	1583.0	1578.4
15°	1528.2	1537.9	1547.6	1547.8	1544.8	1546.7	1553.4	1559.4	1563.1	1566.9	1563.1
17.5°	1498.9	1510.7	1522.6	1525.3	1525.0	1529.6	1539.2	1547.3	1551.2	1555.1	1551.2
20°	1476.1	1490.3	1504.5	1509.1	1510.6	1517.4	1529.3	1540.2	1547.6	1555.1	1547.6
22.5°	1451.9	1468.5	1485.0	1491.2	1493.9	1504.2	1522.1	1538.8	1551.7	1564.5	1551.7
25°	1415.6	1432.0	1448.4	1460.4	1470.8	1489.2	1515.3	1539.8	1559.2	1578.6	1559.2
27.5°	1373.2	1389.5	1405.8	1426.3	1448.3	1474.0	1503.4	1529.4	1544.7	1560.1	1544.7
30°	1344.9	1360.6	1376.3	1399.9	1426.0	1454.4	1485.0	1511.6	1525.8	1540.0	1525.8
32.5°	1310.0	1326.3	1342.6	1367.6	1395.5	1426.0	1459.0	1487.1	1500.1	1513.1	1500.1
35°	1254.2	1269.9	1285.5	1314.7	1348.3	1382.3	1416.7	1444.3	1451.8	1459.3	1451.8
37.5°	1189.9	1207.7	1225.5	1258.2	1295.9	1324.3	1343.6	1358.2	1358.6	1359.1	1358.6
40°	1141.5	1164.7	1187.8	1220.5	1256.4	1276.2	1279.9	1280.3	1270.6	1260.9	1270.6
42.5°	1094.5	1124.2	1153.9	1180.2	1205.3	1210.5	1195.7	1173.8	1130.6	1087.4	1130.6
45°	1022.2	1057.3	1092.4	1108.5	1118.2	1085.3	1009.8	945.8	915.9	886.0	915.9
47.5°	945.2	979.8	1014.5	1010.1	992.6	942.8	860.8	794.1	773.5	752.8	773.5
50°	892.7	925.6	958.5	934.7	892.1	836.1	766.6	709.6	690.2	670.8	690.2
52.5°	833.5	862.8	892.1	856.3	798.7	739.7	679.2	626.4	596.8	567.2	596.8
55°	741.4	761.6	781.8	742.5	683.5	618.5	547.5	487.2	458.8	430.4	458.8
57.5°	630.4	644.6	658.8	628.0	582.1	517.5	434.1	363.6	331.8	299.9	331.8
60°	556.5	567.7	578.9	550.9	509.8	448.1	365.9	300.4	284.7	269.0	284.7
62.5°	489.2	499.2	509.2	480.0	437.7	382.7	314.8	262.6	257.0	251.5	257.0
65°	396.8	406.5	416.2	385.6	341.5	298.5	256.7	225.1	224.3	223.6	224.3
67.5°	315.7	326.3	336.9	308.1	266.1	234.4	212.8	196.5	195.6	194.7	195.6
70°	267.3	278.5	289.7	262.8	223.2	197.4	185.5	176.2	174.7	173.2	174.7
72.5°	227.0	237.6	248.2	224.7	189.9	168.6	160.8	154.8	153.9	153.0	153.9
75°	171.5	179.7	187.9	170.9	145.5	130.9	127.2	124.2	123.5	122.7	123.5
77.5°	124.4	129.6	134.9	123.7	107.1	97.9	95.9	94.3	93.5	92.8	93.5
80°	97.5	99.8	102.0	94.1	82.9	77.0	76.2	75.5	74.7	74.0	74.7
82.5°	73.3	72.6	71.8	67.2	61.4	58.1	57.4	56.5	55.1	53.8	55.1
85°	38.7	37.2	35.7	34.2	32.7	30.4	27.5	24.7	22.4	20.2	22.4
87.5°	12.8	13.7	14.9	13.6	11.3	9.7	9.1	8.9	9.2	9.2	9.2
90°	3.5	8.1	14.0	18.6	22.1	23.3	23.3	24.4	25.6	25.6	25.6
92.5°	12.8	20.3	20.5	20.5	24.9	27.0	28.9	29.1	30.3	30.3	30.3
95°	36.1	39.6	59.4	58.2	39.6	31.4	26.8	26.8	26.8	26.8	26.8
97.5°	68.9	74.0	77.3	103.6	109.4	105.7	86.2	72.4	64.7	61.2	64.7
100°	97.8	100.1	107.1	108.3	137.4	165.3	151.3	133.9	128.1	124.6	128.1
102.5°	126.7	128.1	138.8	143.7	150.4	166.2	214.7	209.3	205.4	204.7	205.4
105°	170.0	171.1	190.9	200.2	204.9	204.9	203.7	227.0	264.3	272.4	264.3
107.5°	216.3	221.7	244.9	269.9	275.2	276.6	270.6	267.1	265.7	266.6	265.7
110°	248.0	256.1	284.1	315.5	323.6	326.0	323.6	320.2	317.8	317.8	317.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	278.7	290.6	322.3	358.3	372.1	379.1	373.9	371.4	369.1	370.9	369.1
115°	326.0	343.4	385.4	422.6	450.5	454.0	452.9	452.9	451.7	451.7	451.7
117.5°	369.7	397.7	444.7	488.0	520.4	529.7	534.4	533.0	531.6	533.9	531.6
120°	400.5	433.1	486.6	535.5	567.0	580.9	585.6	583.3	585.6	583.3	585.6
122.5°	433.1	473.1	525.8	576.5	613.5	629.4	635.0	635.4	635.9	634.5	635.9
125°	482.0	530.9	592.6	645.0	683.4	702.0	706.7	707.8	710.2	716.0	710.2
127.5°	531.3	586.8	654.5	705.0	744.4	767.0	774.2	776.8	781.6	784.2	781.6
130°	565.8	628.7	697.4	745.1	783.5	808.0	820.8	824.3	830.1	828.9	830.1
132.5°	602.1	667.8	737.4	787.0	822.6	848.9	859.9	869.9	872.0	873.6	872.0
135°	655.4	726.5	796.3	845.2	879.0	904.6	918.6	927.9	933.7	937.2	933.7
137.5°	711.6	786.5	853.6	897.1	931.1	953.2	969.1	978.9	984.9	987.7	984.9
140°	749.7	821.9	887.1	932.5	962.8	984.9	998.9	1010.5	1017.5	1017.5	1017.5
142.5°	786.1	857.3	920.6	966.1	992.6	1012.9	1027.8	1036.6	1044.5	1044.5	1044.5
145°	837.1	908.1	966.3	1011.7	1033.8	1052.4	1068.7	1075.7	1080.4	1080.4	1080.4
147.5°	890.4	953.2	1006.3	1049.9	1068.5	1090.4	1103.2	1108.8	1114.6	1112.0	1114.6
150°	922.0	980.3	1031.5	1072.2	1090.9	1111.8	1124.6	1129.3	1135.1	1131.6	1135.1
152.5°	952.8	1008.2	1054.8	1092.7	1108.6	1129.5	1144.2	1148.8	1152.8	1150.2	1152.8
155°	994.2	1043.1	1086.2	1121.1	1135.1	1154.9	1168.9	1174.7	1179.3	1173.5	1179.3
157.5°	1031.2	1073.4	1110.9	1143.0	1157.9	1174.9	1187.9	1195.2	1199.8	1197.3	1199.8
160°	1053.6	1092.0	1125.8	1156.1	1170.0	1185.2	1199.1	1207.3	1211.9	1208.4	1211.9
162.5°	1072.2	1106.9	1138.8	1166.3	1178.4	1191.7	1208.4	1215.7	1220.3	1215.9	1220.3
165°	1099.0	1126.9	1154.9	1178.2	1188.6	1199.1	1216.6	1224.7	1228.2	1223.6	1228.2
167.5°	1119.3	1140.7	1163.3	1183.3	1191.0	1201.2	1218.7	1225.4	1229.9	1224.0	1229.9
170°	1130.4	1149.1	1168.9	1185.2	1191.0	1200.3	1217.8	1223.6	1227.1	1221.2	1227.1
172.5°	1139.8	1153.7	1169.8	1184.2	1187.3	1194.7	1211.2	1217.1	1219.6	1214.7	1219.6
175°	1149.1	1157.2	1168.9	1178.2	1177.0	1181.7	1195.6	1200.3	1204.9	1198.0	1204.9
177.5°	1153.5	1157.2	1160.9	1166.5	1162.8	1162.8	1173.0	1175.8	1176.8	1173.0	1176.8
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4
2.5°	1589.4	1588.2	1587.0	1589.7	1596.2	1598.6	1588.5	1578.3	1588.5	1598.6	1596.2
5°	1590.0	1587.6	1586.1	1588.7	1595.4	1597.3	1584.6	1571.9	1584.6	1597.3	1595.4
7.5°	1587.6	1584.1	1581.6	1583.6	1590.2	1591.9	1578.9	1565.9	1578.9	1591.9	1590.2
10°	1583.3	1579.2	1575.5	1576.6	1582.6	1584.2	1573.0	1561.8	1573.0	1584.2	1582.6
12.5°	1573.7	1568.9	1563.9	1564.2	1569.6	1570.9	1560.3	1549.7	1560.3	1570.9	1569.6
15°	1559.4	1553.4	1546.7	1544.8	1547.8	1547.6	1537.9	1528.2	1537.9	1547.6	1547.8
17.5°	1547.3	1539.2	1529.6	1525.0	1525.3	1522.6	1510.7	1498.9	1510.7	1522.6	1525.3
20°	1540.2	1529.3	1517.4	1510.6	1509.1	1504.5	1490.3	1476.1	1490.3	1504.5	1509.1
22.5°	1538.8	1522.1	1504.2	1493.9	1491.2	1485.0	1468.5	1451.9	1468.5	1485.0	1491.2
25°	1539.8	1515.3	1489.2	1470.8	1460.4	1448.4	1432.0	1415.6	1432.0	1448.4	1460.4
27.5°	1529.4	1503.4	1474.0	1448.3	1426.3	1405.8	1389.5	1373.2	1389.5	1405.8	1426.3
30°	1511.6	1485.0	1454.4	1426.0	1399.9	1376.3	1360.6	1344.9	1360.6	1376.3	1399.9
32.5°	1487.1	1459.0	1426.0	1395.5	1367.6	1342.6	1326.3	1310.0	1326.3	1342.6	1367.6
35°	1444.3	1416.7	1382.3	1348.3	1314.7	1285.5	1269.9	1254.2	1269.9	1285.5	1314.7
37.5°	1358.2	1343.6	1324.3	1295.9	1258.2	1225.5	1207.7	1189.9	1207.7	1225.5	1258.2
40°	1280.3	1279.9	1276.2	1256.4	1220.5	1187.8	1164.7	1141.5	1164.7	1187.8	1220.5
42.5°	1173.8	1195.7	1210.5	1205.3	1180.2	1153.9	1124.2	1094.5	1124.2	1153.9	1180.2
45°	945.8	1009.8	1085.3	1118.2	1108.5	1092.4	1057.3	1022.2	1057.3	1092.4	1108.5
47.5°	794.1	860.8	942.8	992.6	1010.1	1014.5	979.8	945.2	979.8	1014.5	1010.1
50°	709.6	766.6	836.1	892.1	934.7	958.5	925.6	892.7	925.6	958.5	934.7
52.5°	626.4	679.2	739.7	798.7	856.3	892.1	862.8	833.5	862.8	892.1	856.3
55°	487.2	547.5	618.5	683.5	742.5	781.8	761.6	741.4	761.6	781.8	742.5
57.5°	363.6	434.1	517.5	582.1	628.0	658.8	644.6	630.4	644.6	658.8	628.0
60°	300.4	365.9	448.1	509.8	550.9	578.9	567.7	556.5	567.7	578.9	550.9
62.5°	262.6	314.8	382.7	437.7	480.0	509.2	499.2	489.2	499.2	509.2	480.0
65°	225.1	256.7	298.5	341.5	385.6	416.2	406.5	396.8	406.5	416.2	385.6
67.5°	196.5	212.8	234.4	266.1	308.1	336.9	326.3	315.7	326.3	336.9	308.1
70°	176.2	185.5	197.4	223.2	262.8	289.7	278.5	267.3	278.5	289.7	262.8
72.5°	154.8	160.8	168.6	189.9	224.7	248.2	237.6	227.0	237.6	248.2	224.7
75°	124.2	127.2	130.9	145.5	170.9	187.9	179.7	171.5	179.7	187.9	170.9
77.5°	94.3	95.9	97.9	107.1	123.7	134.9	129.6	124.4	129.6	134.9	123.7
80°	75.5	76.2	77.0	82.9	94.1	102.0	99.8	97.5	99.8	102.0	94.1
82.5°	56.5	57.4	58.1	61.4	67.2	71.8	72.6	73.3	72.6	71.8	67.2
85°	24.7	27.5	30.4	32.7	34.2	35.7	37.2	38.7	37.2	35.7	34.2
87.5°	8.9	9.1	9.7	11.3	13.6	14.9	13.7	12.8	13.7	14.7	14.1
90°	24.4	23.3	23.3	22.1	18.6	14.0	8.1	3.5	8.1	12.8	21.0
92.5°	29.1	28.9	27.0	24.9	20.5	20.5	20.3	12.8	22.1	31.4	45.2
95°	26.8	26.8	31.4	39.6	58.2	59.4	39.6	36.1	51.2	72.2	90.8
97.5°	72.4	86.2	105.7	109.4	103.6	77.3	74.0	68.9	93.8	114.6	144.6
100°	133.9	151.3	165.3	137.4	108.3	107.1	100.1	97.8	124.6	144.4	173.5
102.5°	209.3	214.7	166.2	150.4	143.7	138.8	128.1	126.7	153.4	180.7	205.1
105°	227.0	203.7	204.9	204.9	200.2	190.9	171.1	170.0	200.2	231.7	261.9
107.5°	267.1	270.6	276.6	275.2	269.9	244.9	221.7	216.3	243.6	281.3	314.6
110°	320.2	323.6	326.0	323.6	315.5	284.1	256.1	248.0	272.4	312.0	348.1



TEST NUMBER: P1428067

CATALOG NUMBER: SQ2W-PP3-K-075U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	371.4	373.9	379.1	372.1	358.3	322.3	290.6	278.7	303.2	343.7	380.7
115°	452.9	452.9	454.0	450.5	422.6	385.4	343.4	326.0	346.9	384.2	424.9
117.5°	533.0	534.4	529.7	520.4	488.0	444.7	397.7	369.7	386.3	425.6	467.5
120°	583.3	585.6	580.9	567.0	535.5	486.6	433.1	400.5	413.3	451.7	493.6
122.5°	635.4	635.0	629.4	613.5	576.5	525.8	473.1	433.1	438.4	474.1	515.0
125°	707.8	706.7	702.0	683.4	645.0	592.6	530.9	482.0	475.0	505.3	547.2
127.5°	776.8	774.2	767.0	744.4	705.0	654.5	586.8	531.3	515.7	534.8	573.3
130°	824.3	820.8	808.0	783.5	745.1	697.4	628.7	565.8	543.7	555.3	589.1
132.5°	869.9	859.9	848.9	822.6	787.0	737.4	667.8	602.1	571.6	576.7	603.1
135°	927.9	918.6	904.6	879.0	845.2	796.3	726.5	655.4	613.5	608.9	624.0
137.5°	978.9	969.1	953.2	931.1	897.1	853.6	786.5	711.6	658.7	643.1	648.9
140°	1010.5	998.9	984.9	962.8	932.5	887.1	821.9	749.7	690.4	668.3	664.8
142.5°	1036.6	1027.8	1012.9	992.6	966.1	920.6	857.3	786.1	723.0	694.3	686.2
145°	1075.7	1068.7	1052.4	1033.8	1011.7	966.3	908.1	837.1	774.2	736.9	719.5
147.5°	1108.8	1103.2	1090.4	1068.5	1049.9	1006.3	953.2	890.4	825.9	779.8	757.2
150°	1129.3	1124.6	1111.8	1090.9	1072.2	1031.5	980.3	922.0	860.3	811.4	782.3
152.5°	1148.8	1144.2	1129.5	1108.6	1092.7	1054.8	1008.2	952.8	890.1	841.3	811.2
155°	1174.7	1168.9	1154.9	1135.1	1121.1	1086.2	1043.1	994.2	940.7	889.4	855.7
157.5°	1195.2	1187.9	1174.9	1157.9	1143.0	1110.9	1073.4	1031.2	984.4	935.6	901.1
160°	1207.3	1199.1	1185.2	1170.0	1156.1	1125.8	1092.0	1053.6	1010.5	966.3	929.0
162.5°	1215.7	1208.4	1191.7	1178.4	1166.3	1138.8	1106.9	1072.2	1033.8	995.2	960.7
165°	1224.7	1216.6	1199.1	1188.6	1178.2	1154.9	1126.9	1099.0	1066.4	1035.0	1007.0
167.5°	1225.4	1218.7	1201.2	1191.0	1183.3	1163.3	1140.7	1119.3	1093.9	1069.2	1045.9
170°	1223.6	1217.8	1200.3	1191.0	1185.2	1168.9	1149.1	1130.4	1110.6	1089.7	1071.1
172.5°	1217.1	1211.2	1194.7	1187.3	1184.2	1169.8	1153.7	1139.8	1122.8	1107.4	1092.5
175°	1200.3	1195.6	1181.7	1177.0	1178.2	1168.9	1157.2	1149.1	1138.6	1129.3	1121.1
177.5°	1175.8	1173.0	1162.8	1162.8	1166.5	1160.9	1157.2	1153.5	1148.8	1146.0	1143.2
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1428067

CATALOG NUMBER: SQ2W-PP3-K-075U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4
2.5°	1589.7	1587.0	1588.2	1589.4	1590.5	1591.7	1590.5	1589.4	1588.2	1587.0	1589.7
5°	1588.7	1586.1	1587.6	1590.0	1595.3	1600.5	1595.3	1590.0	1587.6	1586.1	1588.7
7.5°	1583.6	1581.6	1584.1	1587.6	1594.1	1600.5	1594.1	1587.6	1584.1	1581.6	1583.6
10°	1576.6	1575.5	1579.2	1583.3	1588.5	1593.8	1588.5	1583.3	1579.2	1575.5	1576.6
12.5°	1564.2	1563.9	1568.9	1573.7	1578.4	1583.0	1578.4	1573.7	1568.9	1563.9	1564.2
15°	1544.8	1546.7	1553.4	1559.4	1563.1	1566.9	1563.1	1559.4	1553.4	1546.7	1544.8
17.5°	1525.0	1529.6	1539.2	1547.3	1551.2	1555.1	1551.2	1547.3	1539.2	1529.6	1525.0
20°	1510.6	1517.4	1529.3	1540.2	1547.6	1555.1	1547.6	1540.2	1529.3	1517.4	1510.6
22.5°	1493.9	1504.2	1522.1	1538.8	1551.7	1564.5	1551.7	1538.8	1522.1	1504.2	1493.9
25°	1470.8	1489.2	1515.3	1539.8	1559.2	1578.6	1559.2	1539.8	1515.3	1489.2	1470.8
27.5°	1448.3	1474.0	1503.4	1529.4	1544.7	1560.1	1544.7	1529.4	1503.4	1474.0	1448.3
30°	1426.0	1454.4	1485.0	1511.6	1525.8	1540.0	1525.8	1511.6	1485.0	1454.4	1426.0
32.5°	1395.5	1426.0	1459.0	1487.1	1500.1	1513.1	1500.1	1487.1	1459.0	1426.0	1395.5
35°	1348.3	1382.3	1416.7	1444.3	1451.8	1459.3	1451.8	1444.3	1416.7	1382.3	1348.3
37.5°	1295.9	1324.3	1343.6	1358.2	1358.6	1359.1	1358.6	1358.2	1343.6	1324.3	1295.9
40°	1256.4	1276.2	1279.9	1280.3	1270.6	1260.9	1270.6	1280.3	1279.9	1276.2	1256.4
42.5°	1205.3	1210.5	1195.7	1173.8	1130.6	1087.4	1130.6	1173.8	1195.7	1210.5	1205.3
45°	1118.2	1085.3	1009.8	945.8	915.9	886.0	915.9	945.8	1009.8	1085.3	1118.2
47.5°	992.6	942.8	860.8	794.1	773.5	752.8	773.5	794.1	860.8	942.8	992.6
50°	892.1	836.1	766.6	709.6	690.2	670.8	690.2	709.6	766.6	836.1	892.1
52.5°	798.7	739.7	679.2	626.4	596.8	567.2	596.8	626.4	679.2	739.7	798.7
55°	683.5	618.5	547.5	487.2	458.8	430.4	458.8	487.2	547.5	618.5	683.5
57.5°	582.1	517.5	434.1	363.6	331.8	299.9	331.8	363.6	434.1	517.5	582.1
60°	509.8	448.1	365.9	300.4	284.7	269.0	284.7	300.4	365.9	448.1	509.8
62.5°	437.7	382.7	314.8	262.6	257.0	251.5	257.0	262.6	314.8	382.7	437.7
65°	341.5	298.5	256.7	225.1	224.3	223.6	224.3	225.1	256.7	298.5	341.5
67.5°	266.1	234.4	212.8	196.5	195.6	194.7	195.6	196.5	212.8	234.4	266.1
70°	223.2	197.4	185.5	176.2	174.7	173.2	174.7	176.2	185.5	197.4	223.2
72.5°	189.9	168.6	160.8	154.8	153.9	153.0	153.9	154.8	160.8	168.6	189.9
75°	145.5	130.9	127.2	124.2	123.5	122.7	123.5	124.2	127.2	130.9	145.5
77.5°	107.1	97.9	95.9	94.3	93.5	92.8	93.5	94.3	95.9	97.9	107.1
80°	82.9	77.0	76.2	75.5	74.7	74.0	74.7	75.5	76.2	77.0	82.9
82.5°	61.4	58.1	57.4	56.5	55.1	53.8	55.1	56.5	57.4	58.1	61.4
85°	32.7	30.4	27.5	24.7	22.4	20.2	22.4	24.7	27.5	30.4	32.7
87.5°	12.2	12.1	13.1	13.6	14.5	14.0	14.5	13.6	13.1	12.1	12.2
90°	26.8	34.9	43.1	47.7	52.4	50.1	52.4	47.7	43.1	34.9	26.8
92.5°	53.8	67.5	77.5	85.9	89.6	89.2	89.6	85.9	77.5	67.5	53.8
95°	108.3	124.6	140.9	152.5	159.5	157.2	159.5	152.5	140.9	124.6	108.3
97.5°	166.9	188.8	207.0	217.9	224.9	229.6	224.9	217.9	207.0	188.8	166.9
100°	206.1	227.0	248.0	260.8	272.4	277.1	272.4	260.8	248.0	227.0	206.1
102.5°	237.7	265.2	288.0	301.8	311.5	316.2	311.5	301.8	288.0	265.2	237.7
105°	289.9	319.0	343.4	360.9	371.4	374.9	371.4	360.9	343.4	319.0	289.9
107.5°	342.0	372.1	394.7	414.0	426.8	434.2	426.8	414.0	394.7	372.1	342.0
110°	383.0	407.5	431.9	449.4	462.2	466.8	462.2	449.4	431.9	407.5	383.0



TEST NUMBER: P1428067

CATALOG NUMBER: SQ2W-PP3-K-075U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	417.5	444.7	469.2	486.6	501.3	507.8	501.3	486.6	469.2	444.7	417.5
115°	465.7	501.8	523.9	540.2	550.7	556.5	550.7	540.2	523.9	501.8	465.7
117.5°	505.7	543.4	567.7	580.2	585.1	589.3	585.1	580.2	567.7	543.4	505.7
120°	530.9	565.8	593.7	610.0	615.9	618.2	615.9	610.0	593.7	565.8	530.9
122.5°	554.2	587.2	614.2	634.3	643.8	646.1	643.8	634.3	614.2	587.2	554.2
125°	586.8	618.2	646.1	665.9	676.4	682.2	676.4	665.9	646.1	618.2	586.8
127.5°	615.2	649.2	674.8	692.7	702.9	707.6	702.9	692.7	674.8	649.2	615.2
130°	631.0	665.9	691.5	711.3	720.6	725.3	720.6	711.3	691.5	665.9	631.0
132.5°	643.1	679.9	706.4	724.4	734.6	739.3	734.6	724.4	706.4	679.9	643.1
135°	657.8	696.2	724.1	741.6	750.9	755.6	750.9	741.6	724.1	696.2	657.8
137.5°	670.6	705.5	734.6	753.0	761.4	764.4	761.4	753.0	734.6	705.5	670.6
140°	679.9	710.2	739.3	756.7	766.0	767.2	766.0	756.7	739.3	710.2	679.9
142.5°	692.0	715.7	741.1	758.6	767.9	770.0	767.9	758.6	741.1	715.7	692.0
145°	713.7	727.6	745.1	761.4	769.5	771.9	769.5	761.4	745.1	727.6	713.7
147.5°	740.9	745.3	754.4	765.1	773.0	774.7	773.0	765.1	754.4	745.3	740.9
150°	761.4	760.2	763.7	770.7	777.7	776.5	777.7	770.7	763.7	760.2	761.4
152.5°	784.7	777.9	777.7	780.9	784.2	784.0	784.2	780.9	777.7	777.9	784.7
155°	824.3	811.4	804.5	802.1	802.1	801.0	802.1	802.1	804.5	811.4	824.3
157.5°	867.8	849.9	839.4	833.8	832.2	829.6	832.2	833.8	839.4	849.9	867.8
160°	897.6	877.8	867.3	858.0	854.5	851.0	854.5	858.0	867.3	877.8	897.6
162.5°	925.5	906.7	895.3	886.9	883.4	878.0	883.4	886.9	895.3	906.7	925.5
165°	970.9	951.2	938.3	931.4	926.7	922.0	926.7	931.4	938.3	951.2	970.9
167.5°	1016.3	994.7	986.3	978.4	974.0	965.6	974.0	978.4	986.3	994.7	1016.3
170°	1044.3	1024.5	1019.8	1012.9	1004.7	995.4	1004.7	1012.9	1019.8	1024.5	1044.3
172.5°	1068.5	1055.2	1050.6	1043.6	1041.0	1033.6	1041.0	1043.6	1050.6	1055.2	1068.5
175°	1103.7	1093.2	1093.2	1092.0	1088.5	1081.5	1088.5	1092.0	1093.2	1093.2	1103.7
177.5°	1133.0	1127.4	1131.1	1131.1	1130.2	1123.7	1130.2	1131.1	1131.1	1127.4	1133.0
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1428067

CATALOG NUMBER: SQ2W-PP3-K-075U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1590.4	1590.4	1590.4	1590.4
2.5°	1596.2	1598.6	1588.5	1578.3
5°	1595.4	1597.3	1584.6	1571.9
7.5°	1590.2	1591.9	1578.9	1565.9
10°	1582.6	1584.2	1573.0	1561.8
12.5°	1569.6	1570.9	1560.3	1549.7
15°	1547.8	1547.6	1537.9	1528.2
17.5°	1525.3	1522.6	1510.7	1498.9
20°	1509.1	1504.5	1490.3	1476.1
22.5°	1491.2	1485.0	1468.5	1451.9
25°	1460.4	1448.4	1432.0	1415.6
27.5°	1426.3	1405.8	1389.5	1373.2
30°	1399.9	1376.3	1360.6	1344.9
32.5°	1367.6	1342.6	1326.3	1310.0
35°	1314.7	1285.5	1269.9	1254.2
37.5°	1258.2	1225.5	1207.7	1189.9
40°	1220.5	1187.8	1164.7	1141.5
42.5°	1180.2	1153.9	1124.2	1094.5
45°	1108.5	1092.4	1057.3	1022.2
47.5°	1010.1	1014.5	979.8	945.2
50°	934.7	958.5	925.6	892.7
52.5°	856.3	892.1	862.8	833.5
55°	742.5	781.8	761.6	741.4
57.5°	628.0	658.8	644.6	630.4
60°	550.9	578.9	567.7	556.5
62.5°	480.0	509.2	499.2	489.2
65°	385.6	416.2	406.5	396.8
67.5°	308.1	336.9	326.3	315.7
70°	262.8	289.7	278.5	267.3
72.5°	224.7	248.2	237.6	227.0
75°	170.9	187.9	179.7	171.5
77.5°	123.7	134.9	129.6	124.4
80°	94.1	102.0	99.8	97.5
82.5°	67.2	71.8	72.6	73.3
85°	34.2	35.7	37.2	38.7
87.5°	14.1	14.7	13.7	12.8
90°	21.0	12.8	8.1	3.5
92.5°	45.2	31.4	22.1	12.8
95°	90.8	72.2	51.2	36.1
97.5°	144.6	114.6	93.8	68.9
100°	173.5	144.4	124.6	97.8
102.5°	205.1	180.7	153.4	126.7
105°	261.9	231.7	200.2	170.0
107.5°	314.6	281.3	243.6	216.3
110°	348.1	312.0	272.4	248.0



TEST NUMBER: P1428067

CATALOG NUMBER: SQ2W-PP3-K-075U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	380.7	343.7	303.2	278.7
115°	424.9	384.2	346.9	326.0
117.5°	467.5	425.6	386.3	369.7
120°	493.6	451.7	413.3	400.5
122.5°	515.0	474.1	438.4	433.1
125°	547.2	505.3	475.0	482.0
127.5°	573.3	534.8	515.7	531.3
130°	589.1	555.3	543.7	565.8
132.5°	603.1	576.7	571.6	602.1
135°	624.0	608.9	613.5	655.4
137.5°	648.9	643.1	658.7	711.6
140°	664.8	668.3	690.4	749.7
142.5°	686.2	694.3	723.0	786.1
145°	719.5	736.9	774.2	837.1
147.5°	757.2	779.8	825.9	890.4
150°	782.3	811.4	860.3	922.0
152.5°	811.2	841.3	890.1	952.8
155°	855.7	889.4	940.7	994.2
157.5°	901.1	935.6	984.4	1031.2
160°	929.0	966.3	1010.5	1053.6
162.5°	960.7	995.2	1033.8	1072.2
165°	1007.0	1035.0	1066.4	1099.0
167.5°	1045.9	1069.2	1093.9	1119.3
170°	1071.1	1089.7	1110.6	1130.4
172.5°	1092.5	1107.4	1122.8	1139.8
175°	1121.1	1129.3	1138.6	1149.1
177.5°	1143.2	1146.0	1148.8	1153.5
180°	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1428067
 CATALOG NUMBER: SQ2W-PP3-K-075U-075D-L840-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	19.13	20.00	20.05	20.93	22.14	14.90	15.77	15.83	16.71	17.92
	3H	20.19	20.96	21.13	21.91	23.15	16.21	16.99	17.15	17.93	19.17
	4H	20.56	21.29	21.51	22.24	23.49	16.77	17.50	17.72	18.45	19.70
	6H	20.75	21.43	21.72	22.38	23.64	17.13	17.81	18.10	18.76	20.02
	8H	20.82	21.45	21.79	22.43	23.68	17.26	17.90	18.23	18.88	20.13
	12H	20.84	21.45	21.81	22.41	23.69	17.30	17.90	18.27	18.87	20.15
4H	2H	19.25	19.98	20.21	20.93	22.18	15.81	16.54	16.77	17.49	18.74
	3H	20.54	21.15	21.51	22.13	23.39	17.23	17.84	18.20	18.82	20.08
	4H	21.05	21.60	22.03	22.58	23.86	17.86	18.41	18.83	19.38	20.67
	6H	21.37	21.84	22.36	22.84	24.12	18.30	18.78	19.29	19.78	21.06
	8H	21.48	21.92	22.47	22.91	24.21	18.47	18.91	19.46	19.91	21.20
	12H	21.52	21.92	22.53	22.93	24.23	18.52	18.92	19.53	19.93	21.23
8H	4H	21.07	21.51	22.06	22.51	23.80	18.17	18.61	19.16	19.60	20.90
	6H	21.48	21.85	22.50	22.89	24.18	18.72	19.09	19.74	20.13	21.42
	8H	21.66	21.99	22.69	23.01	24.32	18.97	19.30	20.00	20.32	21.63
	12H	21.76	22.05	22.79	23.06	24.42	19.07	19.36	20.10	20.37	21.73
12H	4H	21.03	21.43	22.04	22.44	23.74	18.18	18.58	19.19	19.59	20.89
	6H	21.48	21.80	22.50	22.82	24.13	18.79	19.11	19.81	20.14	21.45
	8H	21.67	21.96	22.70	22.97	24.33	19.07	19.35	20.09	20.37	21.72