

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: P1428017

Luminaire Tested: SQ2W-PP3-K-025U-075D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428017
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-025U-075D-L830-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 250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

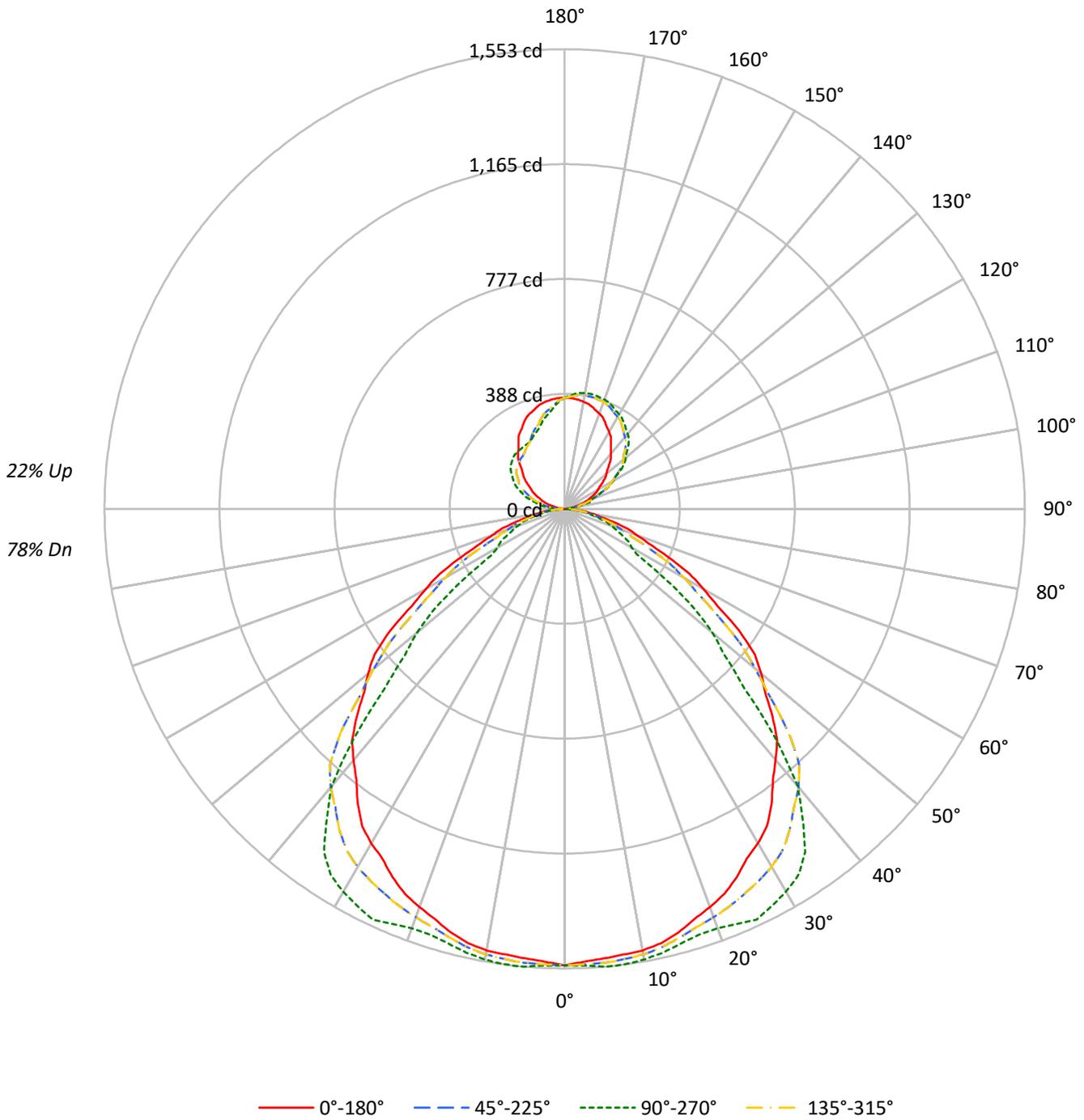
Lumens per Lamp: N/A
Luminaire Lumens: 4981.9 lumens
Efficiency: N/A
Efficacy: 145.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 34.2
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					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	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78				
1	105	101	97	94	100	96	93	90	88	86	83	81	79	77	74	72	71	67				
2	96	89	83	78	92	85	80	75	78	74	70	72	68	65	66	63	61	58				
3	88	79	72	66	84	76	69	64	70	64	60	64	60	56	59	56	53	50				
4	81	70	62	56	77	68	60	55	62	56	52	58	53	49	53	49	46	43				
5	75	63	55	49	71	61	53	48	56	50	45	52	47	43	48	44	40	38				
6	69	57	49	43	66	55	47	42	51	44	40	47	42	38	44	39	36	33				
7	64	52	44	38	61	50	42	37	46	40	35	43	38	34	40	35	32	30				
8	60	47	39	34	57	45	38	33	42	36	32	40	34	30	37	32	29	27				
9	56	43	36	30	53	42	35	30	39	33	28	36	31	27	34	29	26	24				
10	52	40	32	27	50	38	32	27	36	30	26	34	28	25	32	27	24	22				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24913	24913	24913	24913
5°	24716	25167	24716	25167
10°	24841	25349	24841	25349
15°	24782	25409	24782	25409
20°	24606	25922	24606	25922
25°	24465	27283	24465	27283
30°	24326	27853	24326	27853
35°	23983	27904	23983	27904
40°	23342	25783	23342	25783
45°	22644	19627	22644	19627
50°	21755	16347	21755	16347
55°	20248	11752	20248	11752
60°	17434	8428	17434	8428
65°	14705	8286	14705	8286
70°	12241	7931	12241	7931
75°	10380	7430	10380	7430
80°	8796	6676	8796	6676
85°	6947	3631	6947	3631

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 24770 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.9	2.9
10°-20°	425.2	8.5
20°-30°	666.2	13.4
30°-40°	821.8	16.5
40°-50°	773.6	15.5
50°-60°	547.8	11.0
60°-70°	312.1	6.3
70°-80°	154.5	3.1
80°-90°	39.3	0.8
90°-100°	29.8	0.6
100°-110°	87.0	1.7
110°-120°	142.0	2.8
120°-130°	180.2	3.6
130°-140°	192.8	3.9
140°-150°	180.0	3.6
150°-160°	148.1	3.0
160°-170°	99.3	2.0
170°-180°	35.3	0.7
0°-30°	1238.3	24.9
0°-40°	2060.0	41.4
0°-60°	3381.5	67.9
0°-90°	3887.5	78.0
90°-120°	258.8	5.2
90°-150°	811.7	16.3
90°-180°	1094.0	22.0
0°-180°	4981.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1543	1543	1543	1543	1543	
5°	1525	1553	1525	1553	1525	145
15°	1483	1520	1483	1520	1483	418
25°	1373	1532	1373	1532	1373	633
35°	1217	1416	1217	1416	1217	759
45°	992	860	992	860	992	763
55°	719	418	719	418	719	635
65°	385	217	385	217	385	387
75°	166	119	166	119	166	180
85°	38	20	38	20	38	44
90°	1	8	1	16	1	3
95°	12	9	12	51	12	14
105°	55	89	55	122	55	59
115°	106	147	106	181	106	104
125°	157	233	157	222	157	140
135°	213	305	213	246	213	165
145°	272	351	272	251	272	170
155°	323	382	323	260	323	149
165°	357	398	357	300	357	101
175°	374	390	374	352	374	35
180°	375	375	375	375	375	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0
2.5°	1531.2	1541.1	1550.9	1548.6	1542.2	1539.6	1540.8	1542.0	1543.1	1544.3	1543.1
5°	1525.0	1537.3	1549.7	1547.9	1541.3	1538.8	1540.2	1542.6	1547.7	1552.8	1547.7
7.5°	1519.2	1531.8	1544.4	1542.7	1536.4	1534.4	1536.9	1540.3	1546.5	1552.8	1546.5
10°	1515.2	1526.1	1537.0	1535.4	1529.6	1528.5	1532.1	1536.1	1541.2	1546.2	1541.2
12.5°	1503.5	1513.8	1524.1	1522.7	1517.5	1517.3	1522.1	1526.8	1531.3	1535.8	1531.3
15°	1482.6	1492.0	1501.5	1501.6	1498.7	1500.6	1507.1	1512.9	1516.5	1520.1	1516.5
17.5°	1454.2	1465.7	1477.1	1479.8	1479.5	1484.0	1493.3	1501.2	1504.9	1508.7	1504.9
20°	1432.1	1445.8	1459.6	1464.1	1465.6	1472.1	1483.7	1494.2	1501.5	1508.7	1501.5
22.5°	1408.6	1424.7	1440.8	1446.7	1449.3	1459.3	1476.7	1492.9	1505.4	1517.8	1505.4
25°	1373.3	1389.3	1405.2	1416.8	1427.0	1444.7	1470.1	1493.9	1512.7	1531.5	1512.7
27.5°	1332.2	1348.0	1363.8	1383.8	1405.1	1430.0	1458.6	1483.7	1498.7	1513.6	1498.7
30°	1304.8	1320.1	1335.3	1358.1	1383.5	1411.0	1440.8	1466.5	1480.3	1494.0	1480.3
32.5°	1270.9	1286.7	1302.5	1326.8	1353.9	1383.5	1415.5	1442.7	1455.3	1467.9	1455.3
35°	1216.8	1232.0	1247.2	1275.5	1308.1	1341.1	1374.4	1401.2	1408.5	1415.7	1408.5
37.5°	1154.5	1171.7	1189.0	1220.7	1257.2	1284.8	1303.5	1317.7	1318.1	1318.5	1318.1
40°	1107.5	1129.9	1152.4	1184.1	1218.9	1238.1	1241.8	1242.1	1232.7	1223.3	1232.7
42.5°	1061.8	1090.7	1119.5	1145.0	1169.3	1174.4	1160.0	1138.8	1096.9	1055.0	1096.9
45°	991.7	1025.7	1059.8	1075.4	1084.8	1052.9	979.7	917.6	888.6	859.6	888.6
47.5°	917.0	950.6	984.2	979.9	963.0	914.7	835.1	770.4	750.4	730.4	750.4
50°	866.1	898.0	929.9	906.9	865.5	811.2	743.8	688.5	669.6	650.8	669.6
52.5°	808.7	837.1	865.5	830.7	774.9	717.7	658.9	607.7	579.0	550.3	579.0
55°	719.3	738.9	758.4	720.4	663.1	600.0	531.2	472.6	445.1	417.5	445.1
57.5°	611.6	625.4	639.2	609.2	564.7	502.0	421.1	352.7	321.9	291.0	321.9
60°	539.9	550.7	561.6	534.4	494.6	434.8	355.0	291.4	276.2	261.0	276.2
62.5°	474.6	484.3	494.1	465.7	424.7	371.3	305.4	254.7	249.4	244.0	249.4
65°	384.9	394.3	403.8	374.1	331.3	289.6	249.0	218.4	217.7	216.9	217.7
67.5°	306.3	316.6	326.9	298.9	258.2	227.4	206.5	190.6	189.7	188.9	189.7
70°	259.3	270.2	281.1	255.0	216.6	191.6	180.0	170.9	169.4	168.0	169.4
72.5°	220.2	230.5	240.8	218.0	184.2	163.6	156.0	150.2	149.3	148.4	149.3
75°	166.4	174.3	182.3	165.8	141.2	127.0	123.4	120.5	119.8	119.1	119.8
77.5°	120.7	125.8	130.8	120.0	104.0	95.0	93.1	91.5	90.8	90.0	90.8
80°	94.6	96.8	98.9	91.3	80.5	74.7	73.9	73.2	72.5	71.8	72.5
82.5°	71.1	70.4	69.7	65.2	59.6	56.4	55.7	54.8	53.5	52.2	53.5
85°	37.5	36.1	34.6	33.2	31.7	29.5	26.6	23.9	21.7	19.6	21.7
87.5°	12.0	12.3	12.7	10.8	8.1	6.4	5.9	5.5	5.6	5.6	5.6
90°	1.1	2.7	4.5	6.1	7.2	7.6	7.6	8.0	8.3	8.3	8.3
92.5°	4.2	6.6	6.7	6.7	8.1	8.8	9.4	9.5	9.8	9.8	9.8
95°	11.7	12.9	19.3	18.9	12.9	10.2	8.7	8.7	8.7	8.7	8.7
97.5°	22.4	24.1	25.1	33.7	35.6	34.4	28.0	23.6	21.1	19.9	21.1
100°	31.8	32.6	34.8	35.2	44.7	53.8	49.2	43.5	41.6	40.5	41.6
102.5°	41.2	41.6	45.1	46.7	48.9	54.1	69.8	68.1	66.8	66.6	66.8
105°	55.3	55.7	62.1	65.1	66.6	66.6	66.3	73.8	85.9	88.6	85.9
107.5°	70.3	72.1	79.7	87.8	89.5	90.0	88.0	86.9	86.4	86.7	86.4
110°	80.6	83.3	92.4	102.6	105.3	106.0	105.3	104.1	103.4	103.4	103.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	90.6	94.5	104.8	116.5	121.0	123.3	121.6	120.8	120.0	120.6	120.0
115°	106.0	111.7	125.3	137.4	146.5	147.7	147.3	147.3	146.9	146.9	146.9
117.5°	120.3	129.3	144.6	158.7	169.2	172.3	173.8	173.3	172.9	173.6	172.9
120°	130.2	140.8	158.3	174.2	184.4	188.9	190.4	189.7	190.4	189.7	190.4
122.5°	140.8	153.9	171.0	187.5	199.5	204.7	206.5	206.7	206.8	206.4	206.8
125°	156.8	172.7	192.7	209.8	222.3	228.3	229.8	230.2	231.0	232.9	231.0
127.5°	172.8	190.8	212.9	229.3	242.1	249.4	251.8	252.6	254.2	255.0	254.2
130°	184.0	204.5	226.8	242.3	254.8	262.8	266.9	268.1	270.0	269.6	270.0
132.5°	195.8	217.2	239.8	256.0	267.5	276.1	279.7	282.9	283.6	284.1	283.6
135°	213.2	236.3	259.0	274.9	285.9	294.2	298.7	301.8	303.7	304.8	303.7
137.5°	231.4	255.8	277.6	291.8	302.8	310.0	315.2	318.4	320.3	321.2	320.3
140°	243.8	267.3	288.5	303.3	313.1	320.3	324.9	328.6	330.9	330.9	330.9
142.5°	255.6	278.8	299.4	314.2	322.8	329.4	334.3	337.1	339.7	339.7	339.7
145°	272.2	295.3	314.3	329.0	336.2	342.3	347.6	349.9	351.4	351.4	351.4
147.5°	289.6	310.0	327.3	341.4	347.5	354.6	358.8	360.6	362.5	361.7	362.5
150°	299.9	318.8	335.5	348.7	354.8	361.6	365.8	367.3	369.2	368.0	369.2
152.5°	309.9	327.9	343.0	355.4	360.5	367.3	372.1	373.6	374.9	374.1	374.9
155°	323.3	339.3	353.3	364.6	369.2	375.6	380.1	382.0	383.6	381.7	383.6
157.5°	335.4	349.1	361.3	371.7	376.6	382.1	386.4	388.7	390.2	389.4	390.2
160°	342.7	355.2	366.1	376.0	380.5	385.4	390.0	392.6	394.2	393.0	394.2
162.5°	348.7	360.0	370.4	379.3	383.2	387.6	393.0	395.4	396.9	395.4	396.9
165°	357.4	366.5	375.6	383.2	386.6	390.0	395.7	398.3	399.5	397.9	399.5
167.5°	364.0	371.0	378.3	384.8	387.3	390.7	396.3	398.5	400.0	398.1	400.0
170°	367.6	373.7	380.1	385.4	387.3	390.4	396.0	397.9	399.1	397.2	399.1
172.5°	370.7	375.2	380.4	385.1	386.1	388.5	393.9	395.8	396.7	395.1	396.7
175°	373.7	376.4	380.1	383.2	382.8	384.3	388.9	390.4	391.9	389.6	391.9
177.5°	375.1	376.4	377.6	379.4	378.2	378.2	381.5	382.4	382.7	381.5	382.7
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0
2.5°	1542.0	1540.8	1539.6	1542.2	1548.6	1550.9	1541.1	1531.2	1541.1	1550.9	1548.6
5°	1542.6	1540.2	1538.8	1541.3	1547.9	1549.7	1537.3	1525.0	1537.3	1549.7	1547.9
7.5°	1540.3	1536.9	1534.4	1536.4	1542.7	1544.4	1531.8	1519.2	1531.8	1544.4	1542.7
10°	1536.1	1532.1	1528.5	1529.6	1535.4	1537.0	1526.1	1515.2	1526.1	1537.0	1535.4
12.5°	1526.8	1522.1	1517.3	1517.5	1522.7	1524.1	1513.8	1503.5	1513.8	1524.1	1522.7
15°	1512.9	1507.1	1500.6	1498.7	1501.6	1501.5	1492.0	1482.6	1492.0	1501.5	1501.6
17.5°	1501.2	1493.3	1484.0	1479.5	1479.8	1477.1	1465.7	1454.2	1465.7	1477.1	1479.8
20°	1494.2	1483.7	1472.1	1465.6	1464.1	1459.6	1445.8	1432.1	1445.8	1459.6	1464.1
22.5°	1492.9	1476.7	1459.3	1449.3	1446.7	1440.8	1424.7	1408.6	1424.7	1440.8	1446.7
25°	1493.9	1470.1	1444.7	1427.0	1416.8	1405.2	1389.3	1373.3	1389.3	1405.2	1416.8
27.5°	1483.7	1458.6	1430.0	1405.1	1383.8	1363.8	1348.0	1332.2	1348.0	1363.8	1383.8
30°	1466.5	1440.8	1411.0	1383.5	1358.1	1335.3	1320.1	1304.8	1320.1	1335.3	1358.1
32.5°	1442.7	1415.5	1383.5	1353.9	1326.8	1302.5	1286.7	1270.9	1286.7	1302.5	1326.8
35°	1401.2	1374.4	1341.1	1308.1	1275.5	1247.2	1232.0	1216.8	1232.0	1247.2	1275.5
37.5°	1317.7	1303.5	1284.8	1257.2	1220.7	1189.0	1171.7	1154.5	1171.7	1189.0	1220.7
40°	1242.1	1241.8	1238.1	1218.9	1184.1	1152.4	1129.9	1107.5	1129.9	1152.4	1184.1
42.5°	1138.8	1160.0	1174.4	1169.3	1145.0	1119.5	1090.7	1061.8	1090.7	1119.5	1145.0
45°	917.6	979.7	1052.9	1084.8	1075.4	1059.8	1025.7	991.7	1025.7	1059.8	1075.4
47.5°	770.4	835.1	914.7	963.0	979.9	984.2	950.6	917.0	950.6	984.2	979.9
50°	688.5	743.8	811.2	865.5	906.9	929.9	898.0	866.1	898.0	929.9	906.9
52.5°	607.7	658.9	717.7	774.9	830.7	865.5	837.1	808.7	837.1	865.5	830.7
55°	472.6	531.2	600.0	663.1	720.4	758.4	738.9	719.3	738.9	758.4	720.4
57.5°	352.7	421.1	502.0	564.7	609.2	639.2	625.4	611.6	625.4	639.2	609.2
60°	291.4	355.0	434.8	494.6	534.4	561.6	550.7	539.9	550.7	561.6	534.4
62.5°	254.7	305.4	371.3	424.7	465.7	494.1	484.3	474.6	484.3	494.1	465.7
65°	218.4	249.0	289.6	331.3	374.1	403.8	394.3	384.9	394.3	403.8	374.1
67.5°	190.6	206.5	227.4	258.2	298.9	326.9	316.6	306.3	316.6	326.9	298.9
70°	170.9	180.0	191.6	216.6	255.0	281.1	270.2	259.3	270.2	281.1	255.0
72.5°	150.2	156.0	163.6	184.2	218.0	240.8	230.5	220.2	230.5	240.8	218.0
75°	120.5	123.4	127.0	141.2	165.8	182.3	174.3	166.4	174.3	182.3	165.8
77.5°	91.5	93.1	95.0	104.0	120.0	130.8	125.8	120.7	125.8	130.8	120.0
80°	73.2	73.9	74.7	80.5	91.3	98.9	96.8	94.6	96.8	98.9	91.3
82.5°	54.8	55.7	56.4	59.6	65.2	69.7	70.4	71.1	70.4	69.7	65.2
85°	23.9	26.6	29.5	31.7	33.2	34.6	36.1	37.5	36.1	34.6	33.2
87.5°	5.5	5.9	6.4	8.1	10.8	12.7	12.3	12.0	12.3	12.6	10.9
90°	8.0	7.6	7.6	7.2	6.1	4.5	2.7	1.1	2.7	4.2	6.8
92.5°	9.5	9.4	8.8	8.1	6.7	6.7	6.6	4.2	7.2	10.2	14.7
95°	8.7	8.7	10.2	12.9	18.9	19.3	12.9	11.7	16.7	23.5	29.5
97.5°	23.6	28.0	34.4	35.6	33.7	25.1	24.1	22.4	30.5	37.3	47.0
100°	43.5	49.2	53.8	44.7	35.2	34.8	32.6	31.8	40.5	46.9	56.4
102.5°	68.1	69.8	54.1	48.9	46.7	45.1	41.6	41.2	49.9	58.8	66.7
105°	73.8	66.3	66.6	66.6	65.1	62.1	55.7	55.3	65.1	75.3	85.2
107.5°	86.9	88.0	90.0	89.5	87.8	79.7	72.1	70.3	79.2	91.5	102.3
110°	104.1	105.3	106.0	105.3	102.6	92.4	83.3	80.6	88.6	101.5	113.2



TEST NUMBER: P1428017

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	120.8	121.6	123.3	121.0	116.5	104.8	94.5	90.6	98.6	111.8	123.8
115°	147.3	147.3	147.7	146.5	137.4	125.3	111.7	106.0	112.8	124.9	138.2
117.5°	173.3	173.8	172.3	169.2	158.7	144.6	129.3	120.3	125.6	138.4	152.1
120°	189.7	190.4	188.9	184.4	174.2	158.3	140.8	130.2	134.4	146.9	160.5
122.5°	206.7	206.5	204.7	199.5	187.5	171.0	153.9	140.8	142.6	154.2	167.5
125°	230.2	229.8	228.3	222.3	209.8	192.7	172.7	156.8	154.5	164.3	178.0
127.5°	252.6	251.8	249.4	242.1	229.3	212.9	190.8	172.8	167.7	173.9	186.4
130°	268.1	266.9	262.8	254.8	242.3	226.8	204.5	184.0	176.8	180.6	191.6
132.5°	282.9	279.7	276.1	267.5	256.0	239.8	217.2	195.8	185.9	187.6	196.1
135°	301.8	298.7	294.2	285.9	274.9	259.0	236.3	213.2	199.5	198.0	202.9
137.5°	318.4	315.2	310.0	302.8	291.8	277.6	255.8	231.4	214.2	209.2	211.0
140°	328.6	324.9	320.3	313.1	303.3	288.5	267.3	243.8	224.5	217.3	216.2
142.5°	337.1	334.3	329.4	322.8	314.2	299.4	278.8	255.6	235.1	225.8	223.2
145°	349.9	347.6	342.3	336.2	329.0	314.3	295.3	272.2	251.8	239.7	234.0
147.5°	360.6	358.8	354.6	347.5	341.4	327.3	310.0	289.6	268.6	253.6	246.3
150°	367.3	365.8	361.6	354.8	348.7	335.5	318.8	299.9	279.8	263.9	254.4
152.5°	373.6	372.1	367.3	360.5	355.4	343.0	327.9	309.9	289.5	273.6	263.8
155°	382.0	380.1	375.6	369.2	364.6	353.3	339.3	323.3	305.9	289.3	278.3
157.5°	388.7	386.4	382.1	376.6	371.7	361.3	349.1	335.4	320.2	304.3	293.1
160°	392.6	390.0	385.4	380.5	376.0	366.1	355.2	342.7	328.6	314.3	302.1
162.5°	395.4	393.0	387.6	383.2	379.3	370.4	360.0	348.7	336.2	323.7	312.4
165°	398.3	395.7	390.0	386.6	383.2	375.6	366.5	357.4	346.8	336.6	327.5
167.5°	398.5	396.3	390.7	387.3	384.8	378.3	371.0	364.0	355.8	347.7	340.2
170°	397.9	396.0	390.4	387.3	385.4	380.1	373.7	367.6	361.2	354.4	348.3
172.5°	395.8	393.9	388.5	386.1	385.1	380.4	375.2	370.7	365.1	360.2	355.3
175°	390.4	388.9	384.3	382.8	383.2	380.1	376.4	373.7	370.3	367.3	364.6
177.5°	382.4	381.5	378.2	378.2	379.4	377.6	376.4	375.1	373.6	372.7	371.8
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8

TEST NUMBER: P1428017

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0
2.5°	1542.2	1539.6	1540.8	1542.0	1543.1	1544.3	1543.1	1542.0	1540.8	1539.6	1542.2
5°	1541.3	1538.8	1540.2	1542.6	1547.7	1552.8	1547.7	1542.6	1540.2	1538.8	1541.3
7.5°	1536.4	1534.4	1536.9	1540.3	1546.5	1552.8	1546.5	1540.3	1536.9	1534.4	1536.4
10°	1529.6	1528.5	1532.1	1536.1	1541.2	1546.2	1541.2	1536.1	1532.1	1528.5	1529.6
12.5°	1517.5	1517.3	1522.1	1526.8	1531.3	1535.8	1531.3	1526.8	1522.1	1517.3	1517.5
15°	1498.7	1500.6	1507.1	1512.9	1516.5	1520.1	1516.5	1512.9	1507.1	1500.6	1498.7
17.5°	1479.5	1484.0	1493.3	1501.2	1504.9	1508.7	1504.9	1501.2	1493.3	1484.0	1479.5
20°	1465.6	1472.1	1483.7	1494.2	1501.5	1508.7	1501.5	1494.2	1483.7	1472.1	1465.6
22.5°	1449.3	1459.3	1476.7	1492.9	1505.4	1517.8	1505.4	1492.9	1476.7	1459.3	1449.3
25°	1427.0	1444.7	1470.1	1493.9	1512.7	1531.5	1512.7	1493.9	1470.1	1444.7	1427.0
27.5°	1405.1	1430.0	1458.6	1483.7	1498.7	1513.6	1498.7	1483.7	1458.6	1430.0	1405.1
30°	1383.5	1411.0	1440.8	1466.5	1480.3	1494.0	1480.3	1466.5	1440.8	1411.0	1383.5
32.5°	1353.9	1383.5	1415.5	1442.7	1455.3	1467.9	1455.3	1442.7	1415.5	1383.5	1353.9
35°	1308.1	1341.1	1374.4	1401.2	1408.5	1415.7	1408.5	1401.2	1374.4	1341.1	1308.1
37.5°	1257.2	1284.8	1303.5	1317.7	1318.1	1318.5	1318.1	1317.7	1303.5	1284.8	1257.2
40°	1218.9	1238.1	1241.8	1242.1	1232.7	1223.3	1232.7	1242.1	1241.8	1238.1	1218.9
42.5°	1169.3	1174.4	1160.0	1138.8	1096.9	1055.0	1096.9	1138.8	1160.0	1174.4	1169.3
45°	1084.8	1052.9	979.7	917.6	888.6	859.6	888.6	917.6	979.7	1052.9	1084.8
47.5°	963.0	914.7	835.1	770.4	750.4	730.4	750.4	770.4	835.1	914.7	963.0
50°	865.5	811.2	743.8	688.5	669.6	650.8	669.6	688.5	743.8	811.2	865.5
52.5°	774.9	717.7	658.9	607.7	579.0	550.3	579.0	607.7	658.9	717.7	774.9
55°	663.1	600.0	531.2	472.6	445.1	417.5	445.1	472.6	531.2	600.0	663.1
57.5°	564.7	502.0	421.1	352.7	321.9	291.0	321.9	352.7	421.1	502.0	564.7
60°	494.6	434.8	355.0	291.4	276.2	261.0	276.2	291.4	355.0	434.8	494.6
62.5°	424.7	371.3	305.4	254.7	249.4	244.0	249.4	254.7	305.4	371.3	424.7
65°	331.3	289.6	249.0	218.4	217.7	216.9	217.7	218.4	249.0	289.6	331.3
67.5°	258.2	227.4	206.5	190.6	189.7	188.9	189.7	190.6	206.5	227.4	258.2
70°	216.6	191.6	180.0	170.9	169.4	168.0	169.4	170.9	180.0	191.6	216.6
72.5°	184.2	163.6	156.0	150.2	149.3	148.4	149.3	150.2	156.0	163.6	184.2
75°	141.2	127.0	123.4	120.5	119.8	119.1	119.8	120.5	123.4	127.0	141.2
77.5°	104.0	95.0	93.1	91.5	90.8	90.0	90.8	91.5	93.1	95.0	104.0
80°	80.5	74.7	73.9	73.2	72.5	71.8	72.5	73.2	73.9	74.7	80.5
82.5°	59.6	56.4	55.7	54.8	53.5	52.2	53.5	54.8	55.7	56.4	59.6
85°	31.7	29.5	26.6	23.9	21.7	19.6	21.7	23.9	26.6	29.5	31.7
87.5°	8.4	7.2	7.2	7.0	7.3	7.2	7.3	7.0	7.2	7.2	8.4
90°	8.7	11.4	14.0	15.5	17.0	16.3	17.0	15.5	14.0	11.4	8.7
92.5°	17.5	22.0	25.2	27.9	29.2	29.0	29.2	27.9	25.2	22.0	17.5
95°	35.2	40.5	45.8	49.6	51.9	51.1	51.9	49.6	45.8	40.5	35.2
97.5°	54.3	61.4	67.3	70.9	73.2	74.7	73.2	70.9	67.3	61.4	54.3
100°	67.0	73.8	80.6	84.8	88.6	90.1	88.6	84.8	80.6	73.8	67.0
102.5°	77.3	86.3	93.7	98.1	101.3	102.8	101.3	98.1	93.7	86.3	77.3
105°	94.3	103.7	111.7	117.4	120.8	121.9	120.8	117.4	111.7	103.7	94.3
107.5°	111.2	121.0	128.4	134.6	138.8	141.2	138.8	134.6	128.4	121.0	111.2
110°	124.6	132.5	140.5	146.2	150.3	151.8	150.3	146.2	140.5	132.5	124.6



TEST NUMBER: P1428017

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	135.8	144.6	152.6	158.3	163.0	165.2	163.0	158.3	152.6	144.6	135.8
115°	151.5	163.2	170.4	175.7	179.1	181.0	179.1	175.7	170.4	163.2	151.5
117.5°	164.5	176.7	184.6	188.7	190.3	191.7	190.3	188.7	184.6	176.7	164.5
120°	172.7	184.0	193.1	198.4	200.3	201.1	200.3	198.4	193.1	184.0	172.7
122.5°	180.2	191.0	199.8	206.3	209.4	210.1	209.4	206.3	199.8	191.0	180.2
125°	190.8	201.1	210.1	216.6	220.0	221.9	220.0	216.6	210.1	201.1	190.8
127.5°	200.1	211.1	219.5	225.3	228.6	230.1	228.6	225.3	219.5	211.1	200.1
130°	205.2	216.6	224.9	231.3	234.4	235.9	234.4	231.3	224.9	216.6	205.2
132.5°	209.2	221.1	229.8	235.6	238.9	240.4	238.9	235.6	229.8	221.1	209.2
135°	213.9	226.4	235.5	241.2	244.2	245.7	244.2	241.2	235.5	226.4	213.9
137.5°	218.1	229.4	238.9	244.9	247.6	248.6	247.6	244.9	238.9	229.4	218.1
140°	221.1	231.0	240.4	246.1	249.1	249.5	249.1	246.1	240.4	231.0	221.1
142.5°	225.1	232.8	241.0	246.7	249.7	250.4	249.7	246.7	241.0	232.8	225.1
145°	232.1	236.6	242.3	247.6	250.3	251.0	250.3	247.6	242.3	236.6	232.1
147.5°	241.0	242.4	245.4	248.8	251.4	251.9	251.4	248.8	245.4	242.4	241.0
150°	247.6	247.2	248.4	250.7	252.9	252.5	252.9	250.7	248.4	247.2	247.6
152.5°	255.2	253.0	252.9	254.0	255.0	255.0	255.0	254.0	252.9	253.0	255.2
155°	268.1	263.9	261.6	260.9	260.9	260.5	260.9	260.9	261.6	263.9	268.1
157.5°	282.2	276.4	273.0	271.2	270.6	269.8	270.6	271.2	273.0	276.4	282.2
160°	291.9	285.5	282.1	279.0	277.9	276.8	277.9	279.0	282.1	285.5	291.9
162.5°	301.0	294.9	291.2	288.4	287.3	285.6	287.3	288.4	291.2	294.9	301.0
165°	315.8	309.3	305.2	302.9	301.4	299.9	301.4	302.9	305.2	309.3	315.8
167.5°	330.5	323.5	320.8	318.2	316.8	314.0	316.8	318.2	320.8	323.5	330.5
170°	339.6	333.2	331.7	329.4	326.8	323.7	326.8	329.4	331.7	333.2	339.6
172.5°	347.5	343.2	341.7	339.4	338.6	336.1	338.6	339.4	341.7	343.2	347.5
175°	358.9	355.5	355.5	355.2	354.0	351.7	354.0	355.2	355.5	355.5	358.9
177.5°	368.5	366.7	367.9	367.9	367.6	365.5	367.6	367.9	367.9	366.7	368.5
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



TEST NUMBER: P1428017

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1543.0	1543.0	1543.0	1543.0
2.5°	1548.6	1550.9	1541.1	1531.2
5°	1547.9	1549.7	1537.3	1525.0
7.5°	1542.7	1544.4	1531.8	1519.2
10°	1535.4	1537.0	1526.1	1515.2
12.5°	1522.7	1524.1	1513.8	1503.5
15°	1501.6	1501.5	1492.0	1482.6
17.5°	1479.8	1477.1	1465.7	1454.2
20°	1464.1	1459.6	1445.8	1432.1
22.5°	1446.7	1440.8	1424.7	1408.6
25°	1416.8	1405.2	1389.3	1373.3
27.5°	1383.8	1363.8	1348.0	1332.2
30°	1358.1	1335.3	1320.1	1304.8
32.5°	1326.8	1302.5	1286.7	1270.9
35°	1275.5	1247.2	1232.0	1216.8
37.5°	1220.7	1189.0	1171.7	1154.5
40°	1184.1	1152.4	1129.9	1107.5
42.5°	1145.0	1119.5	1090.7	1061.8
45°	1075.4	1059.8	1025.7	991.7
47.5°	979.9	984.2	950.6	917.0
50°	906.9	929.9	898.0	866.1
52.5°	830.7	865.5	837.1	808.7
55°	720.4	758.4	738.9	719.3
57.5°	609.2	639.2	625.4	611.6
60°	534.4	561.6	550.7	539.9
62.5°	465.7	494.1	484.3	474.6
65°	374.1	403.8	394.3	384.9
67.5°	298.9	326.9	316.6	306.3
70°	255.0	281.1	270.2	259.3
72.5°	218.0	240.8	230.5	220.2
75°	165.8	182.3	174.3	166.4
77.5°	120.0	130.8	125.8	120.7
80°	91.3	98.9	96.8	94.6
82.5°	65.2	69.7	70.4	71.1
85°	33.2	34.6	36.1	37.5
87.5°	10.9	12.6	12.3	12.0
90°	6.8	4.2	2.7	1.1
92.5°	14.7	10.2	7.2	4.2
95°	29.5	23.5	16.7	11.7
97.5°	47.0	37.3	30.5	22.4
100°	56.4	46.9	40.5	31.8
102.5°	66.7	58.8	49.9	41.2
105°	85.2	75.3	65.1	55.3
107.5°	102.3	91.5	79.2	70.3
110°	113.2	101.5	88.6	80.6



TEST NUMBER: P1428017

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	123.8	111.8	98.6	90.6
115°	138.2	124.9	112.8	106.0
117.5°	152.1	138.4	125.6	120.3
120°	160.5	146.9	134.4	130.2
122.5°	167.5	154.2	142.6	140.8
125°	178.0	164.3	154.5	156.8
127.5°	186.4	173.9	167.7	172.8
130°	191.6	180.6	176.8	184.0
132.5°	196.1	187.6	185.9	195.8
135°	202.9	198.0	199.5	213.2
137.5°	211.0	209.2	214.2	231.4
140°	216.2	217.3	224.5	243.8
142.5°	223.2	225.8	235.1	255.6
145°	234.0	239.7	251.8	272.2
147.5°	246.3	253.6	268.6	289.6
150°	254.4	263.9	279.8	299.9
152.5°	263.8	273.6	289.5	309.9
155°	278.3	289.3	305.9	323.3
157.5°	293.1	304.3	320.2	335.4
160°	302.1	314.3	328.6	342.7
162.5°	312.4	323.7	336.2	348.7
165°	327.5	336.6	346.8	357.4
167.5°	340.2	347.7	355.8	364.0
170°	348.3	354.4	361.2	367.6
172.5°	355.3	360.2	365.1	370.7
175°	364.6	367.3	370.3	373.7
177.5°	371.8	372.7	373.6	375.1
180°	374.8	374.8	374.8	374.8



TEST NUMBER: P1428017
 CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L830-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	20.93	22.06	21.61	22.75	23.56	16.70	17.83	17.38	18.52	19.33
	3H	22.01	23.02	22.71	23.72	24.56	18.03	19.04	18.73	19.74	20.58
	4H	22.39	23.34	23.11	24.05	24.91	18.60	19.55	19.31	20.26	21.12
	6H	22.60	23.47	23.33	24.20	25.06	18.98	19.85	19.70	20.57	21.44
	8H	22.67	23.50	23.41	24.24	25.11	19.12	19.94	19.85	20.69	21.56
	12H	22.70	23.49	23.44	24.23	25.12	19.16	19.95	19.90	20.68	21.58
4H	2H	21.08	22.03	21.80	22.74	23.60	17.64	18.59	18.36	19.30	20.16
	3H	22.40	23.18	23.13	23.94	24.81	19.09	19.87	19.82	20.63	21.50
	4H	22.92	23.63	23.67	24.38	25.28	19.72	20.43	20.47	21.18	22.09
	6H	23.25	23.86	24.01	24.64	25.55	20.18	20.80	20.95	21.57	22.48
	8H	23.36	23.94	24.13	24.71	25.63	20.36	20.93	21.13	21.70	22.62
	12H	23.42	23.93	24.21	24.73	25.66	20.42	20.93	21.21	21.73	22.66
8H	4H	22.96	23.53	23.73	24.30	25.23	20.05	20.62	20.82	21.40	22.32
	6H	23.38	23.85	24.18	24.67	25.59	20.62	21.09	21.42	21.91	22.83
	8H	23.56	23.98	24.37	24.80	25.74	20.87	21.29	21.68	22.11	23.05
	12H	23.67	24.04	24.48	24.85	25.85	20.98	21.35	21.79	22.16	23.16
12H	4H	22.93	23.44	23.72	24.24	25.17	20.08	20.59	20.86	21.38	22.31
	6H	23.37	23.79	24.18	24.61	25.55	20.69	21.11	21.49	21.92	22.86
	8H	23.58	23.95	24.39	24.76	25.76	20.97	21.35	21.78	22.15	23.15