

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: P1428019

Luminaire Tested: SQ2W-PP3-K-025U-075D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428019  
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-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 250 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

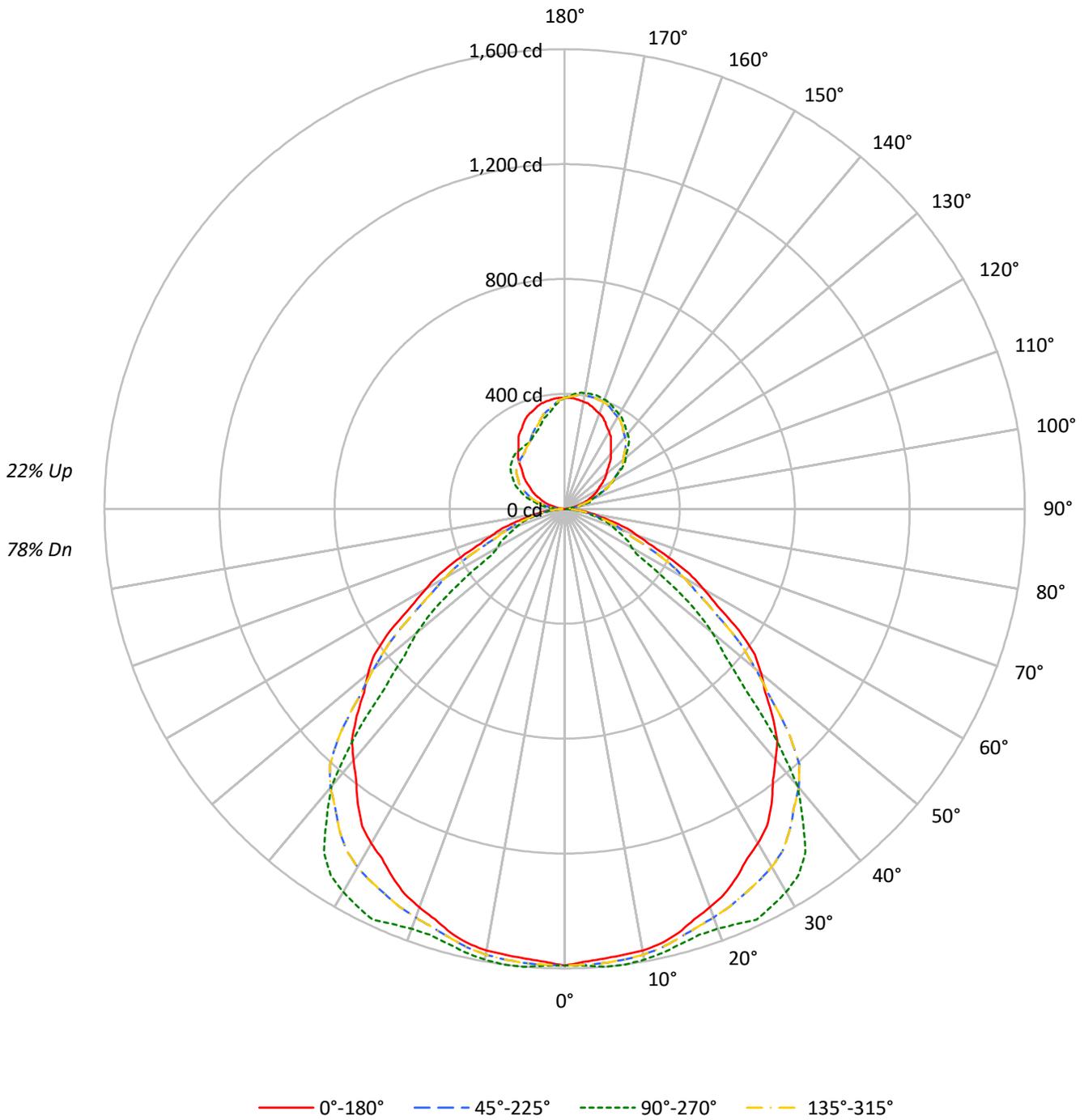
Lumens per Lamp: N/A  
Luminaire Lumens: 5135.1 lumens  
Efficiency: N/A  
Efficacy: 150.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 34.2  
Input Voltage (V): 120  
Input Current (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	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78				78
1	105	101	97	94	100	96	93	90	88	86	83	81	79	77	74	72	71	67				67
2	96	89	83	78	92	85	80	75	78	74	70	72	68	65	66	63	61	58				58
3	88	79	72	66	84	76	69	64	70	64	60	64	60	56	59	56	53	50				50
4	81	70	62	56	77	68	60	55	62	56	52	58	53	49	53	49	46	43				43
5	75	63	55	49	71	61	53	48	56	50	45	52	47	43	48	44	40	38				38
6	69	57	49	43	66	55	47	42	51	44	40	47	42	38	44	39	36	33				33
7	64	52	44	38	61	50	42	37	46	40	35	43	38	34	40	35	32	30				30
8	60	47	39	34	57	45	38	33	42	36	32	40	34	30	37	32	29	27				27
9	56	43	36	30	53	42	35	30	39	33	28	36	31	27	34	29	26	24				24
10	52	40	32	27	50	38	32	27	36	30	26	34	28	25	32	27	24	22				22

**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	2.9
10°-20°	438.3	8.5
20°-30°	686.6	13.4
30°-40°	847.0	16.5
40°-50°	797.4	15.5
50°-60°	564.7	11.0
60°-70°	321.7	6.3
70°-80°	159.3	3.1
80°-90°	40.5	0.8
90°-100°	30.8	0.6
100°-110°	89.7	1.7
110°-120°	146.3	2.8
120°-130°	185.7	3.6
130°-140°	198.7	3.9
140°-150°	185.5	3.6
150°-160°	152.7	3.0
160°-170°	102.4	2.0
170°-180°	36.4	0.7
0°-30°	1276.4	24.9
0°-40°	2123.4	41.4
0°-60°	3485.5	67.9
0°-90°	4007.0	78.0
90°-120°	266.8	5.2
90°-150°	836.7	16.3
90°-180°	1128.0	22.0
0°-180°	5135.1	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°	1	9	1	17	1	3
95°	12	9	12	53	12	15
105°	57	91	57	126	57	61
115°	109	151	109	186	109	108
125°	162	240	162	229	162	145
135°	220	314	220	253	220	170
145°	281	362	281	259	281	176
155°	333	393	333	268	333	153
165°	368	410	368	309	368	104
175°	385	402	385	363	385	37
180°	386	386	386	386	386	



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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°	12.3	12.7	13.0	11.1	8.4	6.6	6.0	5.7	5.8	5.8	5.8
90°	1.2	2.7	4.7	6.2	7.4	7.8	7.8	8.2	8.6	8.6	8.6
92.5°	4.3	6.8	6.9	6.9	8.4	9.1	9.7	9.8	10.1	10.1	10.1
95°	12.1	13.3	19.9	19.5	13.3	10.5	9.0	9.0	9.0	9.0	9.0
97.5°	23.1	24.8	25.9	34.7	36.7	35.4	28.9	24.3	21.7	20.5	21.7
100°	32.8	33.6	35.9	36.3	46.1	55.4	50.7	44.9	42.9	41.8	42.9
102.5°	42.5	42.9	46.5	48.2	50.4	55.7	72.0	70.2	68.8	68.6	68.8
105°	57.0	57.4	64.0	67.1	68.7	68.7	68.3	76.1	88.6	91.3	88.6
107.5°	72.5	74.3	82.1	90.5	92.3	92.7	90.7	89.5	89.1	89.4	89.1
110°	83.1	85.9	95.2	105.8	108.5	109.3	108.5	107.3	106.5	106.5	106.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	93.4	97.4	108.0	120.1	124.7	127.1	125.4	124.5	123.7	124.3	123.7
115°	109.3	115.1	129.2	141.7	151.0	152.2	151.8	151.8	151.4	151.4	151.4
117.5°	123.9	133.3	149.1	163.6	174.4	177.6	179.1	178.7	178.2	179.0	178.2
120°	134.3	145.2	163.1	179.5	190.1	194.7	196.3	195.5	196.3	195.5	196.3
122.5°	145.2	158.6	176.2	193.3	205.7	211.0	212.9	213.0	213.2	212.7	213.2
125°	161.6	178.0	198.6	216.2	229.1	235.3	236.9	237.3	238.1	240.0	238.1
127.5°	178.1	196.7	219.4	236.3	249.5	257.1	259.5	260.4	262.0	262.9	262.0
130°	189.7	210.7	233.8	249.8	262.7	270.8	275.1	276.3	278.3	277.9	278.3
132.5°	201.8	223.9	247.2	263.8	275.8	284.6	288.3	291.6	292.3	292.9	292.3
135°	219.7	243.5	266.9	283.3	294.7	303.2	307.9	311.0	313.0	314.2	313.0
137.5°	238.5	263.7	286.1	300.7	312.1	319.6	324.9	328.1	330.2	331.1	330.2
140°	251.3	275.5	297.4	312.6	322.8	330.2	334.8	338.8	341.1	341.1	341.1
142.5°	263.5	287.4	308.6	323.8	332.7	339.5	344.5	347.5	350.1	350.1	350.1
145°	280.6	304.4	323.9	339.1	346.6	352.8	358.3	360.6	362.2	362.2	362.2
147.5°	298.5	319.6	337.3	351.9	358.2	365.5	369.8	371.7	373.6	372.8	373.6
150°	309.1	328.6	345.8	359.4	365.7	372.7	377.0	378.6	380.5	379.3	380.5
152.5°	319.4	338.0	353.6	366.3	371.6	378.6	383.6	385.1	386.4	385.6	386.4
155°	333.3	349.7	364.1	375.8	380.5	387.1	391.8	393.8	395.3	393.4	395.3
157.5°	345.7	359.8	372.4	383.2	388.2	393.9	398.2	400.6	402.2	401.4	402.2
160°	353.2	366.1	377.4	387.5	392.2	397.3	402.0	404.7	406.3	405.1	406.3
162.5°	359.4	371.1	381.8	391.0	395.0	399.5	405.1	407.5	409.1	407.6	409.1
165°	368.4	377.8	387.1	395.0	398.5	402.0	407.8	410.6	411.7	410.2	411.7
167.5°	375.2	382.4	390.0	396.7	399.2	402.7	408.5	410.8	412.3	410.3	412.3
170°	379.0	385.2	391.8	397.3	399.2	402.4	408.2	410.2	411.3	409.4	411.3
172.5°	382.1	386.8	392.1	397.0	398.0	400.5	406.0	408.0	408.8	407.2	408.8
175°	385.2	387.9	391.8	395.0	394.6	396.1	400.8	402.4	403.9	401.6	403.9
177.5°	386.7	387.9	389.2	391.0	389.8	389.8	393.2	394.2	394.5	393.2	394.5
180°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4



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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°	5.7	6.0	6.6	8.4	11.1	13.0	12.7	12.3	12.7	13.0	11.3
90°	8.2	7.8	7.8	7.4	6.2	4.7	2.7	1.2	2.7	4.3	7.0
92.5°	9.8	9.7	9.1	8.4	6.9	6.9	6.8	4.3	7.4	10.5	15.1
95°	9.0	9.0	10.5	13.3	19.5	19.9	13.3	12.1	17.2	24.2	30.4
97.5°	24.3	28.9	35.4	36.7	34.7	25.9	24.8	23.1	31.5	38.4	48.5
100°	44.9	50.7	55.4	46.1	36.3	35.9	33.6	32.8	41.8	48.4	58.1
102.5°	70.2	72.0	55.7	50.4	48.2	46.5	42.9	42.5	51.4	60.6	68.8
105°	76.1	68.3	68.7	68.7	67.1	64.0	57.4	57.0	67.1	77.7	87.8
107.5°	89.5	90.7	92.7	92.3	90.5	82.1	74.3	72.5	81.6	94.3	105.5
110°	107.3	108.5	109.3	108.5	105.8	95.2	85.9	83.1	91.3	104.6	116.7



TEST NUMBER: P1428019

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	124.5	125.4	127.1	124.7	120.1	108.0	97.4	93.4	101.6	115.2	127.6
115°	151.8	151.8	152.2	151.0	141.7	129.2	115.1	109.3	116.3	128.8	142.4
117.5°	178.7	179.1	177.6	174.4	163.6	149.1	133.3	123.9	129.5	142.7	156.7
120°	195.5	196.3	194.7	190.1	179.5	163.1	145.2	134.3	138.5	151.4	165.5
122.5°	213.0	212.9	211.0	205.7	193.3	176.2	158.6	145.2	147.0	158.9	172.7
125°	237.3	236.9	235.3	229.1	216.2	198.6	178.0	161.6	159.2	169.4	183.4
127.5°	260.4	259.5	257.1	249.5	236.3	219.4	196.7	178.1	172.9	179.3	192.2
130°	276.3	275.1	270.8	262.7	249.8	233.8	210.7	189.7	182.3	186.2	197.5
132.5°	291.6	288.3	284.6	275.8	263.8	247.2	223.9	201.8	191.6	193.3	202.2
135°	311.0	307.9	303.2	294.7	283.3	266.9	243.5	219.7	205.7	204.1	209.2
137.5°	328.1	324.9	319.6	312.1	300.7	286.1	263.7	238.5	220.8	215.6	217.5
140°	338.8	334.8	330.2	322.8	312.6	297.4	275.5	251.3	231.4	224.0	222.8
142.5°	347.5	344.5	339.5	332.7	323.8	308.6	287.4	263.5	242.4	232.8	230.0
145°	360.6	358.3	352.8	346.6	339.1	323.9	304.4	280.6	259.5	247.0	241.2
147.5°	371.7	369.8	365.5	358.2	351.9	337.3	319.6	298.5	276.9	261.4	253.8
150°	378.6	377.0	372.7	365.7	359.4	345.8	328.6	309.1	288.4	272.0	262.3
152.5°	385.1	383.6	378.6	371.6	366.3	353.6	338.0	319.4	298.4	282.0	271.9
155°	393.8	391.8	387.1	380.5	375.8	364.1	349.7	333.3	315.3	298.2	286.8
157.5°	400.6	398.2	393.9	388.2	383.2	372.4	359.8	345.7	330.0	313.6	302.1
160°	404.7	402.0	397.3	392.2	387.5	377.4	366.1	353.2	338.8	323.9	311.4
162.5°	407.5	405.1	399.5	395.0	391.0	381.8	371.1	359.4	346.6	333.6	322.0
165°	410.6	407.8	402.0	398.5	395.0	387.1	377.8	368.4	357.5	346.9	337.6
167.5°	410.8	408.5	402.7	399.2	396.7	390.0	382.4	375.2	366.7	358.4	350.6
170°	410.2	408.2	402.4	399.2	397.3	391.8	385.2	379.0	372.3	365.3	359.0
172.5°	408.0	406.0	400.5	398.0	397.0	392.1	386.8	382.1	376.4	371.2	366.2
175°	402.4	400.8	396.1	394.6	395.0	391.8	387.9	385.2	381.7	378.6	375.8
177.5°	394.2	393.2	389.8	389.8	391.0	389.2	387.9	386.7	385.1	384.2	383.2
180°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4



TEST NUMBER: P1428019

CATALOG NUMBER: SQ2W-PP3-K-025U-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°	8.7	7.4	7.4	7.2	7.5	7.4	7.5	7.2	7.4	7.4	8.7
90°	9.0	11.7	14.4	16.0	17.6	16.8	17.6	16.0	14.4	11.7	9.0
92.5°	18.0	22.6	26.0	28.8	30.1	29.9	30.1	28.8	26.0	22.6	18.0
95°	36.3	41.8	47.2	51.1	53.5	52.7	53.5	51.1	47.2	41.8	36.3
97.5°	56.0	63.3	69.4	73.1	75.4	77.0	75.4	73.1	69.4	63.3	56.0
100°	69.1	76.1	83.1	87.4	91.3	92.9	91.3	87.4	83.1	76.1	69.1
102.5°	79.7	88.9	96.6	101.2	104.4	106.0	104.4	101.2	96.6	88.9	79.7
105°	97.2	106.9	115.1	121.0	124.5	125.7	124.5	121.0	115.1	106.9	97.2
107.5°	114.7	124.7	132.3	138.8	143.1	145.6	143.1	138.8	132.3	124.7	114.7
110°	128.4	136.6	144.8	150.6	154.9	156.5	154.9	150.6	144.8	136.6	128.4



TEST NUMBER: P1428019

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	140.0	149.1	157.3	163.1	168.0	170.2	168.0	163.1	157.3	149.1	140.0
115°	156.1	168.2	175.6	181.1	184.6	186.5	184.6	181.1	175.6	168.2	156.1
117.5°	169.5	182.2	190.3	194.5	196.1	197.6	196.1	194.5	190.3	182.2	169.5
120°	178.0	189.7	199.0	204.5	206.5	207.2	206.5	204.5	199.0	189.7	178.0
122.5°	185.8	196.9	205.9	212.6	215.8	216.6	215.8	212.6	205.9	196.9	185.8
125°	196.7	207.2	216.6	223.2	226.7	228.7	226.7	223.2	216.6	207.2	196.7
127.5°	206.2	217.6	226.2	232.2	235.6	237.2	235.6	232.2	226.2	217.6	206.2
130°	211.5	223.2	231.8	238.5	241.6	243.1	241.6	238.5	231.8	223.2	211.5
132.5°	215.6	227.9	236.8	242.8	246.3	247.8	246.3	242.8	236.8	227.9	215.6
135°	220.5	233.4	242.7	248.6	251.7	253.3	251.7	248.6	242.7	233.4	220.5
137.5°	224.8	236.5	246.3	252.4	255.2	256.2	255.2	252.4	246.3	236.5	224.8
140°	227.9	238.1	247.8	253.7	256.8	257.2	256.8	253.7	247.8	238.1	227.9
142.5°	232.0	239.9	248.4	254.3	257.4	258.1	257.4	254.3	248.4	239.9	232.0
145°	239.2	243.9	249.8	255.2	258.0	258.7	258.0	255.2	249.8	243.9	239.2
147.5°	248.4	249.8	252.9	256.5	259.1	259.7	259.1	256.5	252.9	249.8	248.4
150°	255.2	254.8	256.0	258.4	260.7	260.3	260.7	258.4	256.0	254.8	255.2
152.5°	263.0	260.8	260.7	261.8	262.9	262.8	262.9	261.8	260.7	260.8	263.0
155°	276.3	272.0	269.7	268.9	268.9	268.5	268.9	268.9	269.7	272.0	276.3
157.5°	290.9	284.9	281.4	279.5	279.0	278.1	279.0	279.5	281.4	284.9	290.9
160°	300.9	294.3	290.7	287.6	286.5	285.3	286.5	287.6	290.7	294.3	300.9
162.5°	310.3	303.9	300.1	297.3	296.1	294.3	296.1	297.3	300.1	303.9	310.3
165°	325.5	318.8	314.6	312.2	310.7	309.1	310.7	312.2	314.6	318.8	325.5
167.5°	340.7	333.4	330.6	328.0	326.5	323.7	326.5	328.0	330.6	333.4	340.7
170°	350.1	343.4	341.9	339.5	336.8	333.7	336.8	339.5	341.9	343.4	350.1
172.5°	358.2	353.7	352.2	349.8	349.0	346.5	349.0	349.8	352.2	353.7	358.2
175°	370.0	366.5	366.5	366.1	364.9	362.6	364.9	366.1	366.5	366.5	370.0
177.5°	379.8	377.9	379.2	379.2	378.9	376.7	378.9	379.2	379.2	377.9	379.8
180°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4



TEST NUMBER: P1428019

CATALOG NUMBER: SQ2W-PP3-K-025U-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°	11.3	13.0	12.7	12.3
90°	7.0	4.3	2.7	1.2
92.5°	15.1	10.5	7.4	4.3
95°	30.4	24.2	17.2	12.1
97.5°	48.5	38.4	31.5	23.1
100°	58.1	48.4	41.8	32.8
102.5°	68.8	60.6	51.4	42.5
105°	87.8	77.7	67.1	57.0
107.5°	105.5	94.3	81.6	72.5
110°	116.7	104.6	91.3	83.1



TEST NUMBER: P1428019

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	127.6	115.2	101.6	93.4
115°	142.4	128.8	116.3	109.3
117.5°	156.7	142.7	129.5	123.9
120°	165.5	151.4	138.5	134.3
122.5°	172.7	158.9	147.0	145.2
125°	183.4	169.4	159.2	161.6
127.5°	192.2	179.3	172.9	178.1
130°	197.5	186.2	182.3	189.7
132.5°	202.2	193.3	191.6	201.8
135°	209.2	204.1	205.7	219.7
137.5°	217.5	215.6	220.8	238.5
140°	222.8	224.0	231.4	251.3
142.5°	230.0	232.8	242.4	263.5
145°	241.2	247.0	259.5	280.6
147.5°	253.8	261.4	276.9	298.5
150°	262.3	272.0	288.4	309.1
152.5°	271.9	282.0	298.4	319.4
155°	286.8	298.2	315.3	333.3
157.5°	302.1	313.6	330.0	345.7
160°	311.4	323.9	338.8	353.2
162.5°	322.0	333.6	346.6	359.4
165°	337.6	346.9	357.5	368.4
167.5°	350.6	358.4	366.7	375.2
170°	359.0	365.3	372.3	379.0
172.5°	366.2	371.2	376.4	382.1
175°	375.8	378.6	381.7	385.2
177.5°	383.2	384.2	385.1	386.7
180°	386.4	386.4	386.4	386.4



TEST NUMBER: P1428019  
 CATALOG NUMBER: SQ2W-PP3-K-025U-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	21.03	22.16	21.71	22.85	23.66	16.81	17.93	17.49	18.63	19.43
	3H	22.12	23.12	22.81	23.83	24.67	18.14	19.15	18.83	19.85	20.69
	4H	22.50	23.45	23.21	24.16	25.01	18.71	19.65	19.42	20.37	21.22
	6H	22.71	23.58	23.43	24.30	25.17	19.08	19.96	19.81	20.68	21.55
	8H	22.78	23.60	23.51	24.35	25.22	19.22	20.05	19.96	20.79	21.66
	12H	22.80	23.60	23.55	24.33	25.23	19.26	20.06	20.01	20.79	21.69
4H	2H	21.19	22.13	21.90	22.85	23.70	17.75	18.70	18.47	19.41	20.26
	3H	22.51	23.29	23.24	24.04	24.91	19.20	19.98	19.93	20.73	21.60
	4H	23.03	23.73	23.77	24.49	25.39	19.83	20.54	20.57	21.29	22.19
	6H	23.35	23.97	24.12	24.74	25.65	20.29	20.90	21.05	21.68	22.59
	8H	23.47	24.04	24.24	24.81	25.74	20.46	21.04	21.23	21.81	22.73
	12H	23.53	24.04	24.31	24.83	25.76	20.53	21.04	21.31	21.83	22.76
8H	4H	23.06	23.63	23.83	24.41	25.33	20.16	20.73	20.92	21.50	22.42
	6H	23.49	23.96	24.28	24.77	25.70	20.73	21.20	21.52	22.01	22.94
	8H	23.67	24.09	24.47	24.90	25.84	20.97	21.40	21.78	22.21	23.15
	12H	23.77	24.15	24.58	24.95	25.95	21.08	21.46	21.89	22.26	23.26
12H	4H	23.03	23.55	23.82	24.34	25.27	20.18	20.69	20.97	21.49	22.42
	6H	23.48	23.90	24.29	24.71	25.65	20.79	21.21	21.60	22.03	22.97
	8H	23.68	24.06	24.49	24.86	25.86	21.08	21.45	21.89	22.25	23.25