

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: P1428018

Luminaire Tested: SQ2W-PP3-K-025U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428018
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-L835-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

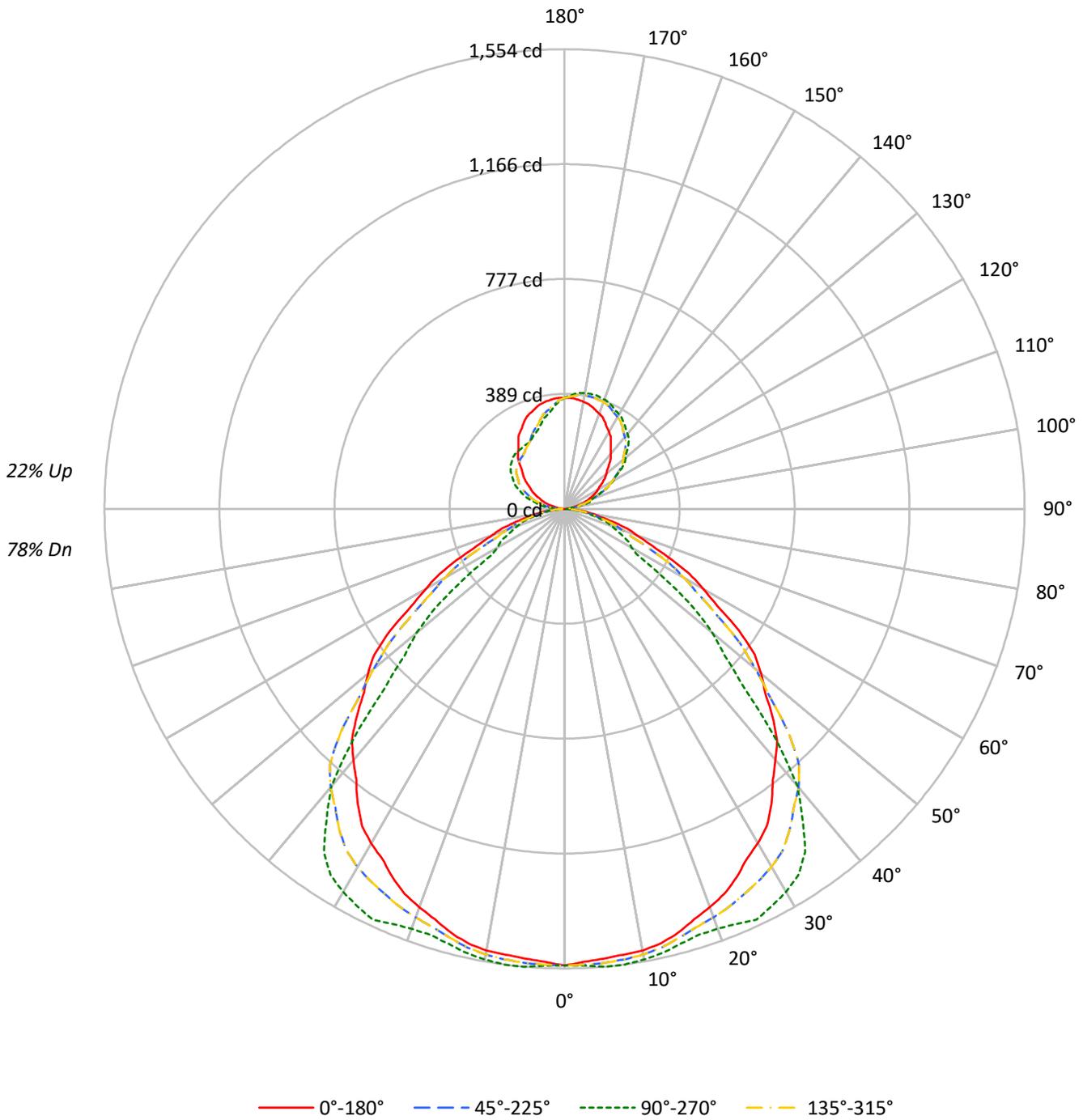
Lumens per Lamp: N/A
Luminaire Lumens: 4986.4 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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				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°	24935	24935	24935	24935
5°	24739	25189	24739	25189
10°	24864	25372	24864	25372
15°	24805	25432	24805	25432
20°	24627	25946	24627	25946
25°	24488	27308	24488	27308
30°	24348	27879	24348	27879
35°	24005	27929	24005	27929
40°	23363	25806	23363	25806
45°	22664	19643	22664	19643
50°	21775	16362	21775	16362
55°	20264	11763	20264	11763
60°	17450	8434	17450	8434
65°	14720	8294	14720	8294
70°	12255	7935	12255	7935
75°	10387	7436	10387	7436
80°	8805	6676	8805	6676
85°	6947	3631	6947	3631

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 24792 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.1	2.9
10°-20°	425.6	8.5
20°-30°	666.8	13.4
30°-40°	822.5	16.5
40°-50°	774.3	15.5
50°-60°	548.3	11.0
60°-70°	312.4	6.3
70°-80°	154.7	3.1
80°-90°	39.3	0.8
90°-100°	29.9	0.6
100°-110°	87.1	1.7
110°-120°	142.1	2.8
120°-130°	180.3	3.6
130°-140°	192.9	3.9
140°-150°	180.2	3.6
150°-160°	148.3	3.0
160°-170°	99.4	2.0
170°-180°	35.3	0.7
0°-30°	1239.4	24.9
0°-40°	2061.9	41.4
0°-60°	3384.5	67.9
0°-90°	3891.0	78.0
90°-120°	259.0	5.2
90°-150°	812.5	16.3
90°-180°	1095.0	22.0
0°-180°	4986.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1544	1544	1544	1544	1544	
5°	1526	1554	1526	1554	1526	145
15°	1484	1522	1484	1522	1484	418
25°	1375	1533	1375	1533	1375	633
35°	1218	1417	1218	1417	1218	760
45°	993	860	993	860	993	764
55°	720	418	720	418	720	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	105
125°	157	233	157	222	157	140
135°	213	305	213	246	213	165
145°	272	352	272	251	272	170
155°	324	382	324	261	324	149
165°	358	398	358	300	358	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°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4
2.5°	1532.6	1542.5	1552.3	1550.0	1543.6	1541.0	1542.2	1543.3	1544.5	1545.7	1544.5
5°	1526.4	1538.7	1551.1	1549.3	1542.7	1540.2	1541.6	1544.0	1549.1	1554.2	1549.1
7.5°	1520.5	1533.1	1545.8	1544.1	1537.8	1535.8	1538.3	1541.7	1547.9	1554.2	1547.9
10°	1516.6	1527.5	1538.4	1536.7	1530.9	1529.8	1533.5	1537.5	1542.5	1547.6	1542.5
12.5°	1504.9	1515.2	1525.5	1524.1	1518.9	1518.7	1523.5	1528.2	1532.7	1537.2	1532.7
15°	1484.0	1493.4	1502.8	1503.0	1500.1	1501.9	1508.4	1514.2	1517.9	1521.5	1517.9
17.5°	1455.6	1467.0	1478.5	1481.1	1480.8	1485.3	1494.6	1502.5	1506.3	1510.1	1506.3
20°	1433.3	1447.1	1460.9	1465.5	1466.9	1473.4	1485.0	1495.6	1502.8	1510.1	1502.8
22.5°	1409.8	1425.9	1442.1	1448.0	1450.7	1460.7	1478.1	1494.3	1506.7	1519.2	1506.7
25°	1374.6	1390.5	1406.5	1418.1	1428.3	1446.0	1471.4	1495.2	1514.1	1532.9	1514.1
27.5°	1333.4	1349.3	1365.1	1385.0	1406.4	1431.3	1459.9	1485.1	1500.0	1515.0	1500.0
30°	1306.0	1321.2	1336.5	1359.3	1384.7	1412.3	1442.1	1467.8	1481.6	1495.4	1481.6
32.5°	1272.1	1287.9	1303.7	1328.0	1355.1	1384.7	1416.8	1444.0	1456.6	1469.3	1456.6
35°	1217.9	1233.1	1248.3	1276.6	1309.3	1342.3	1375.7	1402.5	1409.8	1417.0	1409.8
37.5°	1155.5	1172.8	1190.0	1221.8	1258.3	1286.0	1304.7	1318.9	1319.3	1319.7	1319.3
40°	1108.5	1131.0	1153.5	1185.2	1220.0	1239.3	1242.9	1243.3	1233.8	1224.4	1233.8
42.5°	1062.8	1091.6	1120.5	1146.0	1170.4	1175.4	1161.0	1139.8	1097.8	1055.9	1097.8
45°	992.6	1026.7	1060.8	1076.4	1085.8	1053.9	980.6	918.4	889.4	860.3	889.4
47.5°	917.8	951.5	985.1	980.8	963.8	915.5	835.8	771.1	751.1	731.0	751.1
50°	866.9	898.8	930.7	907.7	866.3	811.9	744.4	689.1	670.2	651.4	670.2
52.5°	809.4	837.8	866.3	831.5	775.6	718.3	659.5	608.3	579.5	550.8	579.5
55°	719.9	739.5	759.1	721.0	663.7	600.6	531.7	473.1	445.5	417.9	445.5
57.5°	612.2	626.0	639.8	609.8	565.2	502.5	421.5	353.1	322.1	291.2	322.1
60°	540.4	551.2	562.1	534.9	495.0	435.2	355.3	291.7	276.4	261.2	276.4
62.5°	475.1	484.8	494.5	466.1	425.1	371.6	305.7	255.0	249.6	244.2	249.6
65°	385.3	394.7	404.1	374.4	331.6	289.9	249.2	218.6	217.9	217.1	217.9
67.5°	306.6	316.9	327.2	299.2	258.4	227.6	206.7	190.8	189.9	189.0	189.9
70°	259.6	270.5	281.3	255.2	216.8	191.7	180.1	171.1	169.6	168.1	169.6
72.5°	220.4	230.7	241.0	218.2	184.4	163.7	156.2	150.3	149.4	148.6	149.4
75°	166.5	174.5	182.5	166.0	141.3	127.2	123.5	120.6	119.9	119.2	119.9
77.5°	120.8	125.9	131.0	120.2	104.0	95.0	93.2	91.6	90.8	90.1	90.8
80°	94.7	96.9	99.0	91.4	80.5	74.7	74.0	73.3	72.6	71.8	72.6
82.5°	71.2	70.5	69.7	65.3	59.6	56.4	55.7	54.9	53.5	52.2	53.5
85°	37.5	36.1	34.6	33.2	31.7	29.6	26.7	23.9	21.8	19.6	21.8
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	9.9	9.9	9.9
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	25.2	33.7	35.6	34.4	28.0	23.6	21.1	19.9	21.1
100°	31.8	32.6	34.9	35.2	44.7	53.8	49.3	43.6	41.7	40.5	41.7
102.5°	41.2	41.7	45.2	46.8	49.0	54.1	69.9	68.1	66.9	66.6	66.9
105°	55.3	55.7	62.2	65.2	66.7	66.7	66.3	73.9	86.0	88.7	86.0
107.5°	70.4	72.2	79.7	87.8	89.6	90.0	88.1	86.9	86.5	86.8	86.5
110°	80.7	83.4	92.5	102.7	105.4	106.1	105.4	104.2	103.5	103.5	103.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	90.7	94.6	104.9	116.6	121.1	123.4	121.7	120.9	120.1	120.7	120.1
115°	106.1	111.8	125.4	137.6	146.7	147.8	147.4	147.4	147.0	147.0	147.0
117.5°	120.4	129.5	144.8	158.9	169.4	172.4	173.9	173.5	173.0	173.8	173.0
120°	130.4	141.0	158.4	174.3	184.6	189.1	190.6	189.9	190.6	189.9	190.6
122.5°	141.0	154.0	171.1	187.7	199.7	204.9	206.7	206.8	207.0	206.5	207.0
125°	156.9	172.8	192.9	209.9	222.5	228.5	230.0	230.4	231.2	233.1	231.2
127.5°	173.0	191.0	213.1	229.5	242.3	249.7	252.0	252.8	254.4	255.3	254.4
130°	184.2	204.6	227.0	242.5	255.0	263.0	267.2	268.3	270.2	269.8	270.2
132.5°	196.0	217.4	240.0	256.2	267.8	276.3	279.9	283.2	283.8	284.4	283.8
135°	213.4	236.5	259.2	275.1	286.1	294.5	299.0	302.0	303.9	305.1	303.9
137.5°	231.6	256.0	277.9	292.0	303.1	310.3	315.5	318.6	320.6	321.5	320.6
140°	244.1	267.6	288.8	303.6	313.4	320.6	325.2	328.9	331.2	331.2	331.2
142.5°	255.9	279.1	299.7	314.5	323.1	329.7	334.6	337.4	340.0	340.0	340.0
145°	272.5	295.6	314.5	329.3	336.5	342.6	347.9	350.2	351.7	351.7	351.7
147.5°	289.8	310.3	327.6	341.8	347.8	354.9	359.1	360.9	362.8	362.0	362.8
150°	300.1	319.1	335.8	349.0	355.1	361.9	366.1	367.6	369.5	368.4	369.5
152.5°	310.1	328.2	343.3	355.7	360.9	367.7	372.5	374.0	375.3	374.4	375.3
155°	323.6	339.6	353.6	364.9	369.5	375.9	380.5	382.4	383.9	382.0	383.9
157.5°	335.7	349.4	361.6	372.1	376.9	382.5	386.7	389.1	390.6	389.7	390.6
160°	343.0	355.5	366.5	376.3	380.9	385.8	390.3	393.0	394.5	393.4	394.5
162.5°	349.0	360.3	370.7	379.7	383.6	387.9	393.4	395.7	397.2	395.8	397.2
165°	357.7	366.8	375.9	383.5	386.9	390.3	396.0	398.7	399.8	398.3	399.8
167.5°	364.3	371.3	378.7	385.2	387.7	391.0	396.7	398.9	400.3	398.4	400.3
170°	368.0	374.0	380.5	385.8	387.7	390.7	396.4	398.3	399.4	397.5	399.4
172.5°	371.0	375.6	380.8	385.5	386.5	388.9	394.3	396.2	397.0	395.4	397.0
175°	374.0	376.7	380.5	383.5	383.1	384.7	389.2	390.7	392.2	390.0	392.2
177.5°	375.5	376.7	377.9	379.7	378.5	378.5	381.9	382.8	383.1	381.9	383.1
180°	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4
2.5°	1543.3	1542.2	1541.0	1543.6	1550.0	1552.3	1542.5	1532.6	1542.5	1552.3	1550.0
5°	1544.0	1541.6	1540.2	1542.7	1549.3	1551.1	1538.7	1526.4	1538.7	1551.1	1549.3
7.5°	1541.7	1538.3	1535.8	1537.8	1544.1	1545.8	1533.1	1520.5	1533.1	1545.8	1544.1
10°	1537.5	1533.5	1529.8	1530.9	1536.7	1538.4	1527.5	1516.6	1527.5	1538.4	1536.7
12.5°	1528.2	1523.5	1518.7	1518.9	1524.1	1525.5	1515.2	1504.9	1515.2	1525.5	1524.1
15°	1514.2	1508.4	1501.9	1500.1	1503.0	1502.8	1493.4	1484.0	1493.4	1502.8	1503.0
17.5°	1502.5	1494.6	1485.3	1480.8	1481.1	1478.5	1467.0	1455.6	1467.0	1478.5	1481.1
20°	1495.6	1485.0	1473.4	1466.9	1465.5	1460.9	1447.1	1433.3	1447.1	1460.9	1465.5
22.5°	1494.3	1478.1	1460.7	1450.7	1448.0	1442.1	1425.9	1409.8	1425.9	1442.1	1448.0
25°	1495.2	1471.4	1446.0	1428.3	1418.1	1406.5	1390.5	1374.6	1390.5	1406.5	1418.1
27.5°	1485.1	1459.9	1431.3	1406.4	1385.0	1365.1	1349.3	1333.4	1349.3	1365.1	1385.0
30°	1467.8	1442.1	1412.3	1384.7	1359.3	1336.5	1321.2	1306.0	1321.2	1336.5	1359.3
32.5°	1444.0	1416.8	1384.7	1355.1	1328.0	1303.7	1287.9	1272.1	1287.9	1303.7	1328.0
35°	1402.5	1375.7	1342.3	1309.3	1276.6	1248.3	1233.1	1217.9	1233.1	1248.3	1276.6
37.5°	1318.9	1304.7	1286.0	1258.3	1221.8	1190.0	1172.8	1155.5	1172.8	1190.0	1221.8
40°	1243.3	1242.9	1239.3	1220.0	1185.2	1153.5	1131.0	1108.5	1131.0	1153.5	1185.2
42.5°	1139.8	1161.0	1175.4	1170.4	1146.0	1120.5	1091.6	1062.8	1091.6	1120.5	1146.0
45°	918.4	980.6	1053.9	1085.8	1076.4	1060.8	1026.7	992.6	1026.7	1060.8	1076.4
47.5°	771.1	835.8	915.5	963.8	980.8	985.1	951.5	917.8	951.5	985.1	980.8
50°	689.1	744.4	811.9	866.3	907.7	930.7	898.8	866.9	898.8	930.7	907.7
52.5°	608.3	659.5	718.3	775.6	831.5	866.3	837.8	809.4	837.8	866.3	831.5
55°	473.1	531.7	600.6	663.7	721.0	759.1	739.5	719.9	739.5	759.1	721.0
57.5°	353.1	421.5	502.5	565.2	609.8	639.8	626.0	612.2	626.0	639.8	609.8
60°	291.7	355.3	435.2	495.0	534.9	562.1	551.2	540.4	551.2	562.1	534.9
62.5°	255.0	305.7	371.6	425.1	466.1	494.5	484.8	475.1	484.8	494.5	466.1
65°	218.6	249.2	289.9	331.6	374.4	404.1	394.7	385.3	394.7	404.1	374.4
67.5°	190.8	206.7	227.6	258.4	299.2	327.2	316.9	306.6	316.9	327.2	299.2
70°	171.1	180.1	191.7	216.8	255.2	281.3	270.5	259.6	270.5	281.3	255.2
72.5°	150.3	156.2	163.7	184.4	218.2	241.0	230.7	220.4	230.7	241.0	218.2
75°	120.6	123.5	127.2	141.3	166.0	182.5	174.5	166.5	174.5	182.5	166.0
77.5°	91.6	93.2	95.0	104.0	120.2	131.0	125.9	120.8	125.9	131.0	120.2
80°	73.3	74.0	74.7	80.5	91.4	99.0	96.9	94.7	96.9	99.0	91.4
82.5°	54.9	55.7	56.4	59.6	65.3	69.7	70.5	71.2	70.5	69.7	65.3
85°	23.9	26.7	29.6	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	29.6
97.5°	23.6	28.0	34.4	35.6	33.7	25.2	24.1	22.4	30.5	37.3	47.1
100°	43.6	49.3	53.8	44.7	35.2	34.9	32.6	31.8	40.5	47.0	56.5
102.5°	68.1	69.9	54.1	49.0	46.8	45.2	41.7	41.2	49.9	58.8	66.8
105°	73.9	66.3	66.7	66.7	65.2	62.2	55.7	55.3	65.2	75.4	85.3
107.5°	86.9	88.1	90.0	89.6	87.8	79.7	72.2	70.4	79.3	91.6	102.4
110°	104.2	105.4	106.1	105.4	102.7	92.5	83.4	80.7	88.7	101.6	113.3



TEST NUMBER: P1428018

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	120.9	121.7	123.4	121.1	116.6	104.9	94.6	90.7	98.7	111.9	123.9
115°	147.4	147.4	147.8	146.7	137.6	125.4	111.8	106.1	112.9	125.1	138.3
117.5°	173.5	173.9	172.4	169.4	158.9	144.8	129.5	120.4	125.7	138.6	152.2
120°	189.9	190.6	189.1	184.6	174.3	158.4	141.0	130.4	134.5	147.0	160.7
122.5°	206.8	206.7	204.9	199.7	187.7	171.1	154.0	141.0	142.7	154.3	167.7
125°	230.4	230.0	228.5	222.5	209.9	192.9	172.8	156.9	154.6	164.5	178.1
127.5°	252.8	252.0	249.7	242.3	229.5	213.1	191.0	173.0	167.9	174.1	186.6
130°	268.3	267.2	263.0	255.0	242.5	227.0	204.6	184.2	177.0	180.8	191.8
132.5°	283.2	279.9	276.3	267.8	256.2	240.0	217.4	196.0	186.1	187.7	196.3
135°	302.0	299.0	294.5	286.1	275.1	259.2	236.5	213.4	199.7	198.2	203.1
137.5°	318.6	315.5	310.3	303.1	292.0	277.9	256.0	231.6	214.4	209.3	211.2
140°	328.9	325.2	320.6	313.4	303.6	288.8	267.6	244.1	224.7	217.5	216.4
142.5°	337.4	334.6	329.7	323.1	314.5	299.7	279.1	255.9	235.3	226.0	223.4
145°	350.2	347.9	342.6	336.5	329.3	314.5	295.6	272.5	252.0	239.9	234.2
147.5°	360.9	359.1	354.9	347.8	341.8	327.6	310.3	289.8	268.8	253.8	246.5
150°	367.6	366.1	361.9	355.1	349.0	335.8	319.1	300.1	280.1	264.1	254.7
152.5°	374.0	372.5	367.7	360.9	355.7	343.3	328.2	310.1	289.8	273.8	264.1
155°	382.4	380.5	375.9	369.5	364.9	353.6	339.6	323.6	306.2	289.5	278.5
157.5°	389.1	386.7	382.5	376.9	372.1	361.6	349.4	335.7	320.5	304.5	293.3
160°	393.0	390.3	385.8	380.9	376.3	366.5	355.5	343.0	328.9	314.5	302.4
162.5°	395.7	393.4	387.9	383.6	379.7	370.7	360.3	349.0	336.5	323.9	312.7
165°	398.7	396.0	390.3	386.9	383.5	375.9	366.8	357.7	347.1	336.9	327.8
167.5°	398.9	396.7	391.0	387.7	385.2	378.7	371.3	364.3	356.1	348.0	340.5
170°	398.3	396.4	390.7	387.7	385.8	380.5	374.0	368.0	361.5	354.7	348.7
172.5°	396.2	394.3	388.9	386.5	385.5	380.8	375.6	371.0	365.5	360.5	355.6
175°	390.7	389.2	384.7	383.1	383.5	380.5	376.7	374.0	370.6	367.6	364.9
177.5°	382.8	381.9	378.5	378.5	379.7	377.9	376.7	375.5	374.0	373.1	372.1
180°	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2



TEST NUMBER: P1428018

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4
2.5°	1543.6	1541.0	1542.2	1543.3	1544.5	1545.7	1544.5	1543.3	1542.2	1541.0	1543.6
5°	1542.7	1540.2	1541.6	1544.0	1549.1	1554.2	1549.1	1544.0	1541.6	1540.2	1542.7
7.5°	1537.8	1535.8	1538.3	1541.7	1547.9	1554.2	1547.9	1541.7	1538.3	1535.8	1537.8
10°	1530.9	1529.8	1533.5	1537.5	1542.5	1547.6	1542.5	1537.5	1533.5	1529.8	1530.9
12.5°	1518.9	1518.7	1523.5	1528.2	1532.7	1537.2	1532.7	1528.2	1523.5	1518.7	1518.9
15°	1500.1	1501.9	1508.4	1514.2	1517.9	1521.5	1517.9	1514.2	1508.4	1501.9	1500.1
17.5°	1480.8	1485.3	1494.6	1502.5	1506.3	1510.1	1506.3	1502.5	1494.6	1485.3	1480.8
20°	1466.9	1473.4	1485.0	1495.6	1502.8	1510.1	1502.8	1495.6	1485.0	1473.4	1466.9
22.5°	1450.7	1460.7	1478.1	1494.3	1506.7	1519.2	1506.7	1494.3	1478.1	1460.7	1450.7
25°	1428.3	1446.0	1471.4	1495.2	1514.1	1532.9	1514.1	1495.2	1471.4	1446.0	1428.3
27.5°	1406.4	1431.3	1459.9	1485.1	1500.0	1515.0	1500.0	1485.1	1459.9	1431.3	1406.4
30°	1384.7	1412.3	1442.1	1467.8	1481.6	1495.4	1481.6	1467.8	1442.1	1412.3	1384.7
32.5°	1355.1	1384.7	1416.8	1444.0	1456.6	1469.3	1456.6	1444.0	1416.8	1384.7	1355.1
35°	1309.3	1342.3	1375.7	1402.5	1409.8	1417.0	1409.8	1402.5	1375.7	1342.3	1309.3
37.5°	1258.3	1286.0	1304.7	1318.9	1319.3	1319.7	1319.3	1318.9	1304.7	1286.0	1258.3
40°	1220.0	1239.3	1242.9	1243.3	1233.8	1224.4	1233.8	1243.3	1242.9	1239.3	1220.0
42.5°	1170.4	1175.4	1161.0	1139.8	1097.8	1055.9	1097.8	1139.8	1161.0	1175.4	1170.4
45°	1085.8	1053.9	980.6	918.4	889.4	860.3	889.4	918.4	980.6	1053.9	1085.8
47.5°	963.8	915.5	835.8	771.1	751.1	731.0	751.1	771.1	835.8	915.5	963.8
50°	866.3	811.9	744.4	689.1	670.2	651.4	670.2	689.1	744.4	811.9	866.3
52.5°	775.6	718.3	659.5	608.3	579.5	550.8	579.5	608.3	659.5	718.3	775.6
55°	663.7	600.6	531.7	473.1	445.5	417.9	445.5	473.1	531.7	600.6	663.7
57.5°	565.2	502.5	421.5	353.1	322.1	291.2	322.1	353.1	421.5	502.5	565.2
60°	495.0	435.2	355.3	291.7	276.4	261.2	276.4	291.7	355.3	435.2	495.0
62.5°	425.1	371.6	305.7	255.0	249.6	244.2	249.6	255.0	305.7	371.6	425.1
65°	331.6	289.9	249.2	218.6	217.9	217.1	217.9	218.6	249.2	289.9	331.6
67.5°	258.4	227.6	206.7	190.8	189.9	189.0	189.9	190.8	206.7	227.6	258.4
70°	216.8	191.7	180.1	171.1	169.6	168.1	169.6	171.1	180.1	191.7	216.8
72.5°	184.4	163.7	156.2	150.3	149.4	148.6	149.4	150.3	156.2	163.7	184.4
75°	141.3	127.2	123.5	120.6	119.9	119.2	119.9	120.6	123.5	127.2	141.3
77.5°	104.0	95.0	93.2	91.6	90.8	90.1	90.8	91.6	93.2	95.0	104.0
80°	80.5	74.7	74.0	73.3	72.6	71.8	72.6	73.3	74.0	74.7	80.5
82.5°	59.6	56.4	55.7	54.9	53.5	52.2	53.5	54.9	55.7	56.4	59.6
85°	31.7	29.6	26.7	23.9	21.8	19.6	21.8	23.9	26.7	29.6	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	17.1	16.3	17.1	15.5	14.0	11.4	8.7
92.5°	17.5	22.0	25.2	28.0	29.2	29.0	29.2	28.0	25.2	22.0	17.5
95°	35.2	40.5	45.9	49.6	51.9	51.2	51.9	49.6	45.9	40.5	35.2
97.5°	54.3	61.5	67.4	70.9	73.2	74.7	73.2	70.9	67.4	61.5	54.3
100°	67.1	73.9	80.7	84.9	88.7	90.2	88.7	84.9	80.7	73.9	67.1
102.5°	77.4	86.3	93.8	98.2	101.4	102.9	101.4	98.2	93.8	86.3	77.4
105°	94.4	103.8	111.8	117.5	120.9	122.0	120.9	117.5	111.8	103.8	94.4
107.5°	111.3	121.1	128.5	134.8	138.9	141.4	138.9	134.8	128.5	121.1	111.3
110°	124.7	132.6	140.6	146.3	150.5	152.0	150.5	146.3	140.6	132.6	124.7



TEST NUMBER: P1428018

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	135.9	144.8	152.7	158.4	163.2	165.3	163.2	158.4	152.7	144.8	135.9
115°	151.6	163.3	170.5	175.8	179.3	181.1	179.3	175.8	170.5	163.3	151.6
117.5°	164.6	176.9	184.8	188.9	190.5	191.8	190.5	188.9	184.8	176.9	164.6
120°	172.8	184.2	193.3	198.6	200.5	201.2	200.5	198.6	193.3	184.2	172.8
122.5°	180.4	191.2	199.9	206.5	209.6	210.3	209.6	206.5	199.9	191.2	180.4
125°	191.0	201.2	210.3	216.8	220.2	222.1	220.2	216.8	210.3	201.2	191.0
127.5°	200.2	211.3	219.7	225.5	228.8	230.3	228.8	225.5	219.7	211.3	200.2
130°	205.4	216.8	225.1	231.6	234.6	236.1	234.6	231.6	225.1	216.8	205.4
132.5°	209.3	221.3	230.0	235.8	239.1	240.6	239.1	235.8	230.0	221.3	209.3
135°	214.1	226.6	235.7	241.4	244.4	246.0	244.4	241.4	235.7	226.6	214.1
137.5°	218.3	229.7	239.1	245.1	247.8	248.8	247.8	245.1	239.1	229.7	218.3
140°	221.3	231.2	240.6	246.3	249.4	249.7	249.4	246.3	240.6	231.2	221.3
142.5°	225.3	233.0	241.3	246.9	250.0	250.7	250.0	246.9	241.3	233.0	225.3
145°	232.3	236.9	242.5	247.8	250.5	251.3	250.5	247.8	242.5	236.9	232.3
147.5°	241.2	242.6	245.6	249.1	251.6	252.2	251.6	249.1	245.6	242.6	241.2
150°	247.8	247.5	248.6	250.9	253.2	252.8	253.2	250.9	248.6	247.5	247.8
152.5°	255.4	253.2	253.2	254.2	255.3	255.2	255.3	254.2	253.2	253.2	255.4
155°	268.3	264.1	261.9	261.1	261.1	260.7	261.1	261.1	261.9	264.1	268.3
157.5°	282.5	276.6	273.2	271.4	270.9	270.1	270.9	271.4	273.2	276.6	282.5
160°	292.2	285.7	282.3	279.3	278.2	277.0	278.2	279.3	282.3	285.7	292.2
162.5°	301.3	295.1	291.4	288.7	287.6	285.8	287.6	288.7	291.4	295.1	301.3
165°	316.1	309.6	305.4	303.2	301.7	300.1	301.7	303.2	305.4	309.6	316.1
167.5°	330.8	323.8	321.1	318.5	317.0	314.3	317.0	318.5	321.1	323.8	330.8
170°	339.9	333.5	332.0	329.7	327.1	324.0	327.1	329.7	332.0	333.5	339.9
172.5°	347.8	343.5	342.0	339.7	338.9	336.4	338.9	339.7	342.0	343.5	347.8
175°	359.3	355.9	355.9	355.5	354.3	352.1	354.3	355.5	355.9	355.9	359.3
177.5°	368.8	367.0	368.2	368.2	367.9	365.8	367.9	368.2	368.2	367.0	368.8
180°	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2



TEST NUMBER: P1428018

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1544.4	1544.4	1544.4	1544.4
2.5°	1550.0	1552.3	1542.5	1532.6
5°	1549.3	1551.1	1538.7	1526.4
7.5°	1544.1	1545.8	1533.1	1520.5
10°	1536.7	1538.4	1527.5	1516.6
12.5°	1524.1	1525.5	1515.2	1504.9
15°	1503.0	1502.8	1493.4	1484.0
17.5°	1481.1	1478.5	1467.0	1455.6
20°	1465.5	1460.9	1447.1	1433.3
22.5°	1448.0	1442.1	1425.9	1409.8
25°	1418.1	1406.5	1390.5	1374.6
27.5°	1385.0	1365.1	1349.3	1333.4
30°	1359.3	1336.5	1321.2	1306.0
32.5°	1328.0	1303.7	1287.9	1272.1
35°	1276.6	1248.3	1233.1	1217.9
37.5°	1221.8	1190.0	1172.8	1155.5
40°	1185.2	1153.5	1131.0	1108.5
42.5°	1146.0	1120.5	1091.6	1062.8
45°	1076.4	1060.8	1026.7	992.6
47.5°	980.8	985.1	951.5	917.8
50°	907.7	930.7	898.8	866.9
52.5°	831.5	866.3	837.8	809.4
55°	721.0	759.1	739.5	719.9
57.5°	609.8	639.8	626.0	612.2
60°	534.9	562.1	551.2	540.4
62.5°	466.1	494.5	484.8	475.1
65°	374.4	404.1	394.7	385.3
67.5°	299.2	327.2	316.9	306.6
70°	255.2	281.3	270.5	259.6
72.5°	218.2	241.0	230.7	220.4
75°	166.0	182.5	174.5	166.5
77.5°	120.2	131.0	125.9	120.8
80°	91.4	99.0	96.9	94.7
82.5°	65.3	69.7	70.5	71.2
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°	29.6	23.5	16.7	11.7
97.5°	47.1	37.3	30.5	22.4
100°	56.5	47.0	40.5	31.8
102.5°	66.8	58.8	49.9	41.2
105°	85.3	75.4	65.2	55.3
107.5°	102.4	91.6	79.3	70.4
110°	113.3	101.6	88.7	80.7



TEST NUMBER: P1428018

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	123.9	111.9	98.7	90.7
115°	138.3	125.1	112.9	106.1
117.5°	152.2	138.6	125.7	120.4
120°	160.7	147.0	134.5	130.4
122.5°	167.7	154.3	142.7	141.0
125°	178.1	164.5	154.6	156.9
127.5°	186.6	174.1	167.9	173.0
130°	191.8	180.8	177.0	184.2
132.5°	196.3	187.7	186.1	196.0
135°	203.1	198.2	199.7	213.4
137.5°	211.2	209.3	214.4	231.6
140°	216.4	217.5	224.7	244.1
142.5°	223.4	226.0	235.3	255.9
145°	234.2	239.9	252.0	272.5
147.5°	246.5	253.8	268.8	289.8
150°	254.7	264.1	280.1	300.1
152.5°	264.1	273.8	289.8	310.1
155°	278.5	289.5	306.2	323.6
157.5°	293.3	304.5	320.5	335.7
160°	302.4	314.5	328.9	343.0
162.5°	312.7	323.9	336.5	349.0
165°	327.8	336.9	347.1	357.7
167.5°	340.5	348.0	356.1	364.3
170°	348.7	354.7	361.5	368.0
172.5°	355.6	360.5	365.5	371.0
175°	364.9	367.6	370.6	374.0
177.5°	372.1	373.1	374.0	375.5
180°	375.2	375.2	375.2	375.2



TEST NUMBER: P1428018
 CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L835-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	22.02	23.02	22.71	23.72	24.57	18.04	19.04	18.73	19.74	20.59
	4H	22.40	23.34	23.11	24.06	24.91	18.61	19.55	19.32	20.26	21.12
	6H	22.60	23.48	23.33	24.20	25.07	18.98	19.85	19.71	20.58	21.45
	8H	22.67	23.50	23.41	24.25	25.12	19.12	19.95	19.86	20.69	21.56
	12H	22.70	23.49	23.44	24.23	25.13	19.16	19.95	19.90	20.69	21.59
4H	2H	21.09	22.03	21.80	22.75	23.60	17.65	18.59	18.36	19.31	20.16
	3H	22.41	23.19	23.13	23.94	24.81	19.10	19.88	19.82	20.63	21.50
	4H	22.92	23.63	23.67	24.38	25.29	19.73	20.44	20.47	21.19	22.09
	6H	23.25	23.86	24.02	24.64	25.55	20.19	20.80	20.95	21.58	22.49
	8H	23.37	23.94	24.14	24.71	25.63	20.36	20.93	21.13	21.71	22.63
	12H	23.42	23.94	24.21	24.73	25.66	20.42	20.94	21.21	21.73	22.66
8H	4H	22.96	23.53	23.73	24.31	25.23	20.06	20.63	20.82	21.40	22.32
	6H	23.38	23.86	24.18	24.67	25.60	20.62	21.10	21.42	21.91	22.84
	8H	23.56	23.99	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	21.36	21.79	22.16	23.16
12H	4H	22.93	23.45	23.72	24.24	25.17	20.08	20.59	20.87	21.39	22.32
	6H	23.38	23.80	24.18	24.61	25.55	20.69	21.11	21.50	21.93	22.87
	8H	23.58	23.96	24.39	24.76	25.76	20.98	21.35	21.79	22.15	23.15