

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: P1428354

Luminaire Tested: SQ2W-PW1-K-025U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428354
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-025U-075D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES 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

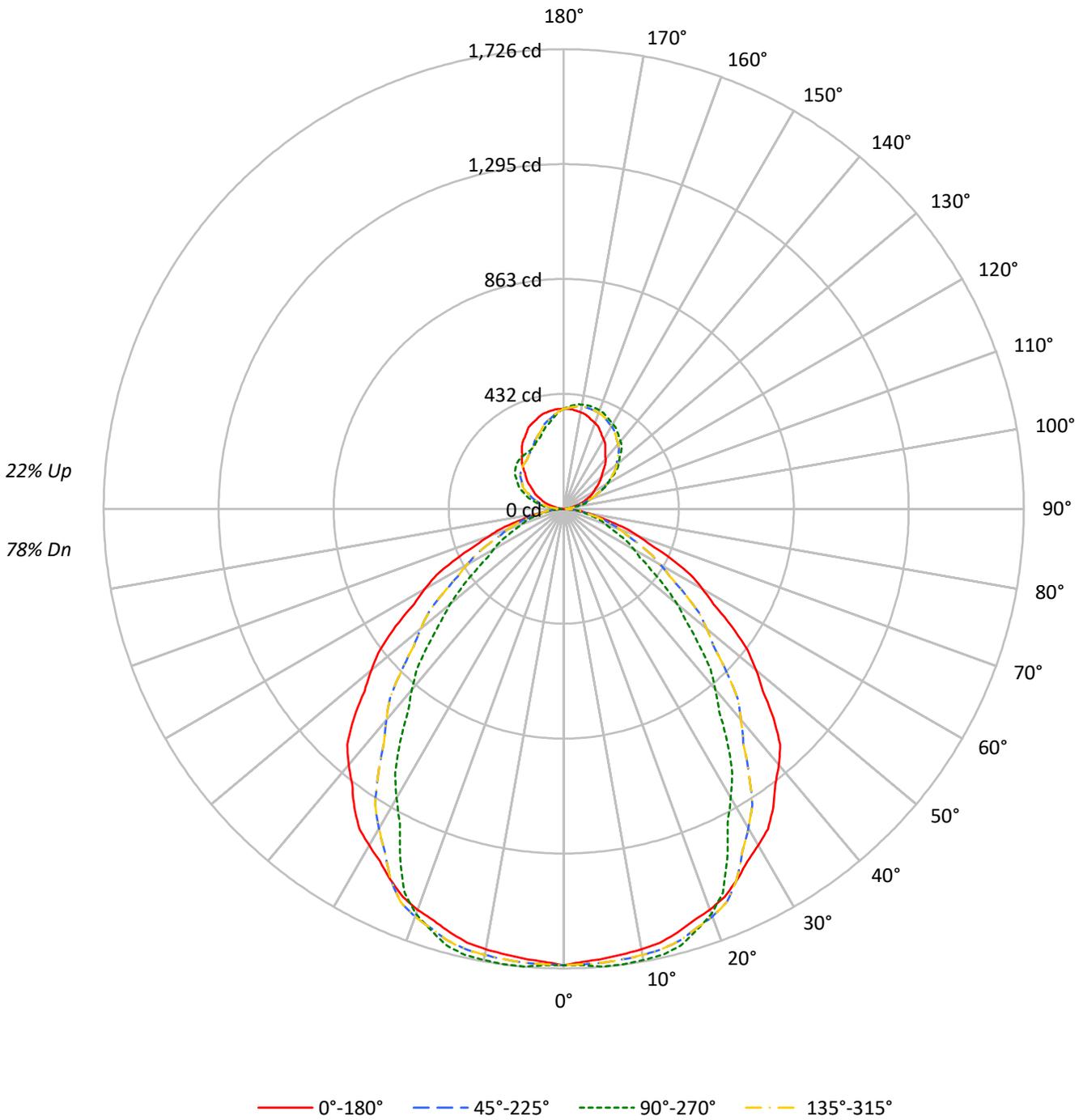
Lumens per Lamp: N/A
Luminaire Lumens: 4900.6 lumens
Efficiency: N/A
Efficacy: 143.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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	0
RCR																		
0	114	114	114	114	108	108	108	108	99	99	99	90	90	90	82	82	82	78
1	105	101	97	94	100	96	93	90	88	86	83	80	79	77	74	72	71	67
2	96	89	83	78	92	85	80	75	78	74	70	72	68	66	66	63	61	58
3	88	79	72	66	84	76	69	64	70	65	60	64	60	56	59	56	53	50
4	81	71	63	57	78	68	61	55	63	57	52	58	53	49	53	49	46	44
5	75	64	55	50	72	61	54	48	57	50	46	52	47	43	48	44	41	38
6	70	58	49	44	66	55	48	43	51	45	40	48	42	38	44	40	36	34
7	65	52	44	39	62	51	43	38	47	41	36	44	38	34	41	36	33	31
8	60	48	40	35	58	46	39	34	43	37	32	40	35	31	38	33	30	28
9	56	44	36	31	54	43	36	31	40	34	29	37	32	28	35	30	27	25
10	53	41	33	28	51	39	33	28	37	31	27	35	29	26	32	28	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	27675	27675	27675	27675
5°	27491	27967	27491	27967
10°	27541	28210	27541	28210
15°	27533	28379	27533	28379
20°	27544	27826	27544	27826
25°	27395	25854	27395	25854
30°	27210	23375	27210	23375
35°	26997	21108	26997	21108
40°	26459	18649	26459	18649
45°	25423	16289	25423	16289
50°	23661	13943	23661	13943
55°	21644	11305	21644	11305
60°	19400	9752	19400	9752
65°	16962	8668	16962	8668
70°	13874	7860	13874	7860
75°	10792	7230	10792	7230
80°	8043	6378	8043	6378
85°	5446	3631	5446	3631

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25423 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.2	3.3
10°-20°	472.9	9.7
20°-30°	696.0	14.2
30°-40°	761.0	15.5
40°-50°	682.7	13.9
50°-60°	509.2	10.4
60°-70°	321.8	6.6
70°-80°	159.5	3.3
80°-90°	38.9	0.8
90°-100°	29.9	0.6
100°-110°	87.1	1.8
110°-120°	142.1	2.9
120°-130°	180.3	3.7
130°-140°	192.9	3.9
140°-150°	180.2	3.7
150°-160°	148.3	3.0
160°-170°	99.4	2.0
170°-180°	35.3	0.7
0°-30°	1332.1	27.2
0°-40°	2093.1	42.7
0°-60°	3285.0	67.0
0°-90°	3805.2	77.6
90°-120°	259.0	5.3
90°-150°	812.5	16.6
90°-180°	1095.0	22.3
0°-180°	4900.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1714	1714	1714	1714	1714	
5°	1696	1726	1696	1726	1696	161
15°	1647	1698	1647	1698	1647	465
25°	1538	1451	1538	1451	1538	708
35°	1370	1071	1370	1071	1370	854
45°	1113	713	1113	713	1113	854
55°	769	402	769	402	769	687
65°	444	227	444	227	444	440
75°	173	116	173	116	173	191
85°	29	20	29	20	29	37
90°	1	8	1	16	1	2
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°	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1
2.5°	1702.4	1712.3	1722.1	1719.8	1713.4	1710.5	1711.1	1712.0	1713.7	1715.5	1713.7
5°	1696.2	1708.5	1720.9	1719.0	1712.5	1709.6	1710.3	1712.5	1719.0	1725.6	1719.0
7.5°	1687.7	1700.2	1712.7	1712.1	1707.1	1705.9	1708.4	1711.8	1718.2	1724.6	1718.2
10°	1679.9	1692.9	1706.0	1706.0	1701.6	1701.3	1704.9	1709.1	1714.9	1720.7	1714.9
12.5°	1669.4	1683.1	1696.7	1697.7	1694.5	1695.0	1699.2	1703.8	1709.6	1715.5	1709.6
15°	1647.2	1661.7	1676.2	1679.3	1678.6	1680.8	1685.8	1690.6	1694.2	1697.8	1694.2
17.5°	1621.4	1635.9	1650.4	1653.3	1652.3	1652.4	1653.7	1655.2	1656.9	1658.6	1656.9
20°	1603.1	1617.6	1632.2	1634.2	1632.0	1628.3	1623.3	1619.5	1619.5	1619.5	1619.5
22.5°	1577.0	1592.7	1608.4	1608.5	1603.4	1594.0	1580.2	1568.7	1564.0	1559.4	1564.0
25°	1537.8	1553.1	1568.3	1561.2	1546.7	1525.3	1497.0	1473.1	1462.2	1451.3	1462.2
27.5°	1492.1	1504.5	1516.8	1498.3	1469.6	1435.1	1394.9	1361.0	1345.9	1330.8	1345.9
30°	1459.5	1468.9	1478.3	1449.1	1407.1	1363.9	1319.6	1282.8	1268.3	1253.8	1268.3
32.5°	1425.5	1429.1	1432.8	1394.3	1341.8	1292.5	1246.5	1208.1	1192.4	1176.7	1192.4
35°	1369.7	1363.2	1356.6	1305.5	1239.4	1183.2	1136.8	1098.5	1084.7	1070.9	1084.7
37.5°	1303.7	1284.3	1264.8	1207.2	1136.8	1077.3	1028.7	988.4	973.2	958.0	973.2
40°	1255.4	1227.8	1200.3	1138.4	1065.1	1004.2	955.6	915.3	900.1	884.8	900.1
42.5°	1201.9	1167.3	1132.8	1069.2	995.9	935.0	886.3	845.9	830.1	814.3	830.1
45°	1113.4	1072.7	1032.1	965.9	891.2	830.2	783.1	743.9	728.6	713.4	728.6
47.5°	1013.8	973.5	933.1	867.1	792.5	732.3	686.6	649.1	636.0	623.0	636.0
50°	942.0	902.8	863.6	800.5	729.4	671.0	625.3	587.0	571.0	555.1	571.0
52.5°	868.8	833.7	798.6	737.8	668.4	610.3	563.4	522.8	501.1	479.3	501.1
55°	768.9	735.5	702.2	644.8	579.5	520.8	468.5	426.3	413.9	401.6	413.9
57.5°	666.1	637.2	608.3	556.8	497.7	444.5	397.0	358.9	348.7	338.6	348.7
60°	600.8	575.4	550.0	500.6	443.3	394.7	354.8	322.3	312.2	302.0	312.2
62.5°	538.1	515.6	493.1	445.8	390.2	346.5	314.7	288.8	280.4	272.0	280.4
65°	444.0	427.4	410.7	371.7	325.2	289.0	262.8	241.4	234.2	226.9	234.2
67.5°	352.6	343.3	334.0	304.8	269.0	239.6	216.7	198.3	193.5	188.7	193.5
70°	293.9	291.0	288.0	263.9	232.7	207.7	188.8	173.8	170.1	166.5	170.1
72.5°	242.9	244.1	245.2	225.2	198.0	177.1	162.3	150.6	148.1	145.6	148.1
75°	173.0	178.9	184.7	171.4	151.8	137.0	126.8	118.8	117.4	115.9	117.4
77.5°	117.9	126.6	135.3	126.7	112.3	101.4	93.8	87.9	86.7	85.5	86.7
80°	86.5	95.2	103.9	98.0	87.1	78.7	72.9	68.6	68.6	68.6	68.6
82.5°	60.4	67.4	74.3	70.1	62.1	56.7	53.8	51.6	51.6	51.6	51.6
85°	29.4	33.0	36.6	35.4	32.5	28.8	24.5	21.0	20.3	19.6	20.3
87.5°	8.1	10.1	12.2	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°	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1
2.5°	1712.0	1711.1	1710.5	1713.4	1719.8	1722.1	1712.3	1702.4	1712.3	1722.1	1719.8
5°	1712.5	1710.3	1709.6	1712.5	1719.0	1720.9	1708.5	1696.2	1708.5	1720.9	1719.0
7.5°	1711.8	1708.4	1705.9	1707.1	1712.1	1712.7	1700.2	1687.7	1700.2	1712.7	1712.1
10°	1709.1	1704.9	1701.3	1701.6	1706.0	1706.0	1692.9	1679.9	1692.9	1706.0	1706.0
12.5°	1703.8	1699.2	1695.0	1694.5	1697.7	1696.7	1683.1	1669.4	1683.1	1696.7	1697.7
15°	1690.6	1685.8	1680.8	1678.6	1679.3	1676.2	1661.7	1647.2	1661.7	1676.2	1679.3
17.5°	1655.2	1653.7	1652.4	1652.3	1653.3	1650.4	1635.9	1621.4	1635.9	1650.4	1653.3
20°	1619.5	1623.3	1628.3	1632.0	1634.2	1632.2	1617.6	1603.1	1617.6	1632.2	1634.2
22.5°	1568.7	1580.2	1594.0	1603.4	1608.5	1608.4	1592.7	1577.0	1592.7	1608.4	1608.5
25°	1473.1	1497.0	1525.3	1546.7	1561.2	1568.3	1553.1	1537.8	1553.1	1568.3	1561.2
27.5°	1361.0	1394.9	1435.1	1469.6	1498.3	1516.8	1504.5	1492.1	1504.5	1516.8	1498.3
30°	1282.8	1319.6	1363.9	1407.1	1449.1	1478.3	1468.9	1459.5	1468.9	1478.3	1449.1
32.5°	1208.1	1246.5	1292.5	1341.8	1394.3	1432.8	1429.1	1425.5	1429.1	1432.8	1394.3
35°	1098.5	1136.8	1183.2	1239.4	1305.5	1356.6	1363.2	1369.7	1363.2	1356.6	1305.5
37.5°	988.4	1028.7	1077.3	1136.8	1207.2	1264.8	1284.3	1303.7	1284.3	1264.8	1207.2
40°	915.3	955.6	1004.2	1065.1	1138.4	1200.3	1227.8	1255.4	1227.8	1200.3	1138.4
42.5°	845.9	886.3	935.0	995.9	1069.2	1132.8	1167.3	1201.9	1167.3	1132.8	1069.2
45°	743.9	783.1	830.2	891.2	965.9	1032.1	1072.7	1113.4	1072.7	1032.1	965.9
47.5°	649.1	686.6	732.3	792.5	867.1	933.1	973.5	1013.8	973.5	933.1	867.1
50°	587.0	625.3	671.0	729.4	800.5	863.6	902.8	942.0	902.8	863.6	800.5
52.5°	522.8	563.4	610.3	668.4	737.8	798.6	833.7	868.8	833.7	798.6	737.8
55°	426.3	468.5	520.8	579.5	644.8	702.2	735.5	768.9	735.5	702.2	644.8
57.5°	358.9	397.0	444.5	497.7	556.8	608.3	637.2	666.1	637.2	608.3	556.8
60°	322.3	354.8	394.7	443.3	500.6	550.0	575.4	600.8	575.4	550.0	500.6
62.5°	288.8	314.7	346.5	390.2	445.8	493.1	515.6	538.1	515.6	493.1	445.8
65°	241.4	262.8	289.0	325.2	371.7	410.7	427.4	444.0	427.4	410.7	371.7
67.5°	198.3	216.7	239.6	269.0	304.8	334.0	343.3	352.6	343.3	334.0	304.8
70°	173.8	188.8	207.7	232.7	263.9	288.0	291.0	293.9	291.0	288.0	263.9
72.5°	150.6	162.3	177.1	198.0	225.2	245.2	244.1	242.9	244.1	245.2	225.2
75°	118.8	126.8	137.0	151.8	171.4	184.7	178.9	173.0	178.9	184.7	171.4
77.5°	87.9	93.8	101.4	112.3	126.7	135.3	126.6	117.9	126.6	135.3	126.7
80°	68.6	72.9	78.7	87.1	98.0	103.9	95.2	86.5	95.2	103.9	98.0
82.5°	51.6	53.8	56.7	62.1	70.1	74.3	67.4	60.4	67.4	74.3	70.1
85°	21.0	24.5	28.8	32.5	35.4	36.6	33.0	29.4	33.0	36.6	35.4
87.5°	5.5	5.9	6.4	8.1	10.8	12.2	10.1	8.1	10.1	12.2	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: P1428354

CATALOG NUMBER: SQ2W-PW1-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: P1428354

CATALOG NUMBER: SQ2W-PW1-K-025U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1
2.5°	1713.4	1710.5	1711.1	1712.0	1713.7	1715.5	1713.7	1712.0	1711.1	1710.5	1713.4
5°	1712.5	1709.6	1710.3	1712.5	1719.0	1725.6	1719.0	1712.5	1710.3	1709.6	1712.5
7.5°	1707.1	1705.9	1708.4	1711.8	1718.2	1724.6	1718.2	1711.8	1708.4	1705.9	1707.1
10°	1701.6	1701.3	1704.9	1709.1	1714.9	1720.7	1714.9	1709.1	1704.9	1701.3	1701.6
12.5°	1694.5	1695.0	1699.2	1703.8	1709.6	1715.5	1709.6	1703.8	1699.2	1695.0	1694.5
15°	1678.6	1680.8	1685.8	1690.6	1694.2	1697.8	1694.2	1690.6	1685.8	1680.8	1678.6
17.5°	1652.3	1652.4	1653.7	1655.2	1656.9	1658.6	1656.9	1655.2	1653.7	1652.4	1652.3
20°	1632.0	1628.3	1623.3	1619.5	1619.5	1619.5	1619.5	1619.5	1623.3	1628.3	1632.0
22.5°	1603.4	1594.0	1580.2	1568.7	1564.0	1559.4	1564.0	1568.7	1580.2	1594.0	1603.4
25°	1546.7	1525.3	1497.0	1473.1	1462.2	1451.3	1462.2	1473.1	1497.0	1525.3	1546.7
27.5°	1469.6	1435.1	1394.9	1361.0	1345.9	1330.8	1345.9	1361.0	1394.9	1435.1	1469.6
30°	1407.1	1363.9	1319.6	1282.8	1268.3	1253.8	1268.3	1282.8	1319.6	1363.9	1407.1
32.5°	1341.8	1292.5	1246.5	1208.1	1192.4	1176.7	1192.4	1208.1	1246.5	1292.5	1341.8
35°	1239.4	1183.2	1136.8	1098.5	1084.7	1070.9	1084.7	1098.5	1136.8	1183.2	1239.4
37.5°	1136.8	1077.3	1028.7	988.4	973.2	958.0	973.2	988.4	1028.7	1077.3	1136.8
40°	1065.1	1004.2	955.6	915.3	900.1	884.8	900.1	915.3	955.6	1004.2	1065.1
42.5°	995.9	935.0	886.3	845.9	830.1	814.3	830.1	845.9	886.3	935.0	995.9
45°	891.2	830.2	783.1	743.9	728.6	713.4	728.6	743.9	783.1	830.2	891.2
47.5°	792.5	732.3	686.6	649.1	636.0	623.0	636.0	649.1	686.6	732.3	792.5
50°	729.4	671.0	625.3	587.0	571.0	555.1	571.0	587.0	625.3	671.0	729.4
52.5°	668.4	610.3	563.4	522.8	501.1	479.3	501.1	522.8	563.4	610.3	668.4
55°	579.5	520.8	468.5	426.3	413.9	401.6	413.9	426.3	468.5	520.8	579.5
57.5°	497.7	444.5	397.0	358.9	348.7	338.6	348.7	358.9	397.0	444.5	497.7
60°	443.3	394.7	354.8	322.3	312.2	302.0	312.2	322.3	354.8	394.7	443.3
62.5°	390.2	346.5	314.7	288.8	280.4	272.0	280.4	288.8	314.7	346.5	390.2
65°	325.2	289.0	262.8	241.4	234.2	226.9	234.2	241.4	262.8	289.0	325.2
67.5°	269.0	239.6	216.7	198.3	193.5	188.7	193.5	198.3	216.7	239.6	269.0
70°	232.7	207.7	188.8	173.8	170.1	166.5	170.1	173.8	188.8	207.7	232.7
72.5°	198.0	177.1	162.3	150.6	148.1	145.6	148.1	150.6	162.3	177.1	198.0
75°	151.8	137.0	126.8	118.8	117.4	115.9	117.4	118.8	126.8	137.0	151.8
77.5°	112.3	101.4	93.8	87.9	86.7	85.5	86.7	87.9	93.8	101.4	112.3
80°	87.1	78.7	72.9	68.6	68.6	68.6	68.6	68.6	72.9	78.7	87.1
82.5°	62.1	56.7	53.8	51.6	51.6	51.6	51.6	51.6	53.8	56.7	62.1
85°	32.5	28.8	24.5	21.0	20.3	19.6	20.3	21.0	24.5	28.8	32.5
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: P1428354

CATALOG NUMBER: SQ2W-PW1-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: P1428354

CATALOG NUMBER: SQ2W-PW1-K-025U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1714.1	1714.1	1714.1	1714.1
2.5°	1719.8	1722.1	1712.3	1702.4
5°	1719.0	1720.9	1708.5	1696.2
7.5°	1712.1	1712.7	1700.2	1687.7
10°	1706.0	1706.0	1692.9	1679.9
12.5°	1697.7	1696.7	1683.1	1669.4
15°	1679.3	1676.2	1661.7	1647.2
17.5°	1653.3	1650.4	1635.9	1621.4
20°	1634.2	1632.2	1617.6	1603.1
22.5°	1608.5	1608.4	1592.7	1577.0
25°	1561.2	1568.3	1553.1	1537.8
27.5°	1498.3	1516.8	1504.5	1492.1
30°	1449.1	1478.3	1468.9	1459.5
32.5°	1394.3	1432.8	1429.1	1425.5
35°	1305.5	1356.6	1363.2	1369.7
37.5°	1207.2	1264.8	1284.3	1303.7
40°	1138.4	1200.3	1227.8	1255.4
42.5°	1069.2	1132.8	1167.3	1201.9
45°	965.9	1032.1	1072.7	1113.4
47.5°	867.1	933.1	973.5	1013.8
50°	800.5	863.6	902.8	942.0
52.5°	737.8	798.6	833.7	868.8
55°	644.8	702.2	735.5	768.9
57.5°	556.8	608.3	637.2	666.1
60°	500.6	550.0	575.4	600.8
62.5°	445.8	493.1	515.6	538.1
65°	371.7	410.7	427.4	444.0
67.5°	304.8	334.0	343.3	352.6
70°	263.9	288.0	291.0	293.9
72.5°	225.2	245.2	244.1	242.9
75°	171.4	184.7	178.9	173.0
77.5°	126.7	135.3	126.6	117.9
80°	98.0	103.9	95.2	86.5
82.5°	70.1	74.3	67.4	60.4
85°	35.4	36.6	33.0	29.4
87.5°	10.9	12.2	10.1	8.1
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: P1428354

CATALOG NUMBER: SQ2W-PW1-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: P1428354

CATALOG NUMBER: SQ2W-PW1-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	20.74	21.85	21.42	22.54	23.36	16.98	18.09	17.67	18.79	19.61
	3H	22.06	23.05	22.76	23.76	24.61	18.27	19.26	18.97	19.97	20.82
	4H	22.48	23.41	23.19	24.13	24.99	18.79	19.72	19.51	20.44	21.30
	6H	22.67	23.53	23.40	24.26	25.13	19.11	19.97	19.84	20.70	21.57
	8H	22.72	23.53	23.46	24.28	25.16	19.23	20.05	19.97	20.80	21.68
	12H	22.73	23.51	23.47	24.25	25.15	19.27	20.05	20.02	20.79	21.69
4H	2H	20.90	21.83	21.62	22.55	23.41	17.82	18.76	18.55	19.47	20.34
	3H	22.46	23.23	23.19	23.99	24.87	19.29	20.07	20.03	20.82	21.70
	4H	23.01	23.71	23.76	24.47	25.38	19.88	20.58	20.63	21.34	22.25
	6H	23.34	23.94	24.11	24.72	25.64	20.28	20.88	21.05	21.66	22.58
	8H	23.43	24.00	24.21	24.78	25.71	20.43	21.00	21.21	21.77	22.70
	12H	23.47	23.97	24.26	24.77	25.71	20.49	20.99	21.28	21.79	22.73
8H	4H	23.07	23.64	23.84	24.41	25.34	20.24	20.81	21.01	21.58	22.51
	6H	23.50	23.97	24.30	24.79	25.72	20.74	21.21	21.54	22.03	22.96
	8H	23.67	24.09	24.49	24.91	25.85	20.96	21.38	21.78	22.20	23.14
	12H	23.76	24.13	24.57	24.93	25.94	21.06	21.42	21.87	22.23	23.24
12H	4H	23.04	23.55	23.83	24.35	25.28	20.27	20.78	21.06	21.58	22.51
	6H	23.50	23.91	24.31	24.73	25.68	20.82	21.23	21.63	22.05	23.00
	8H	23.70	24.06	24.51	24.87	25.88	21.07	21.44	21.89	22.25	23.25