

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: P1428186

Luminaire Tested: SQ2W-PR1-K-025U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428186
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-025U-075D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE 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

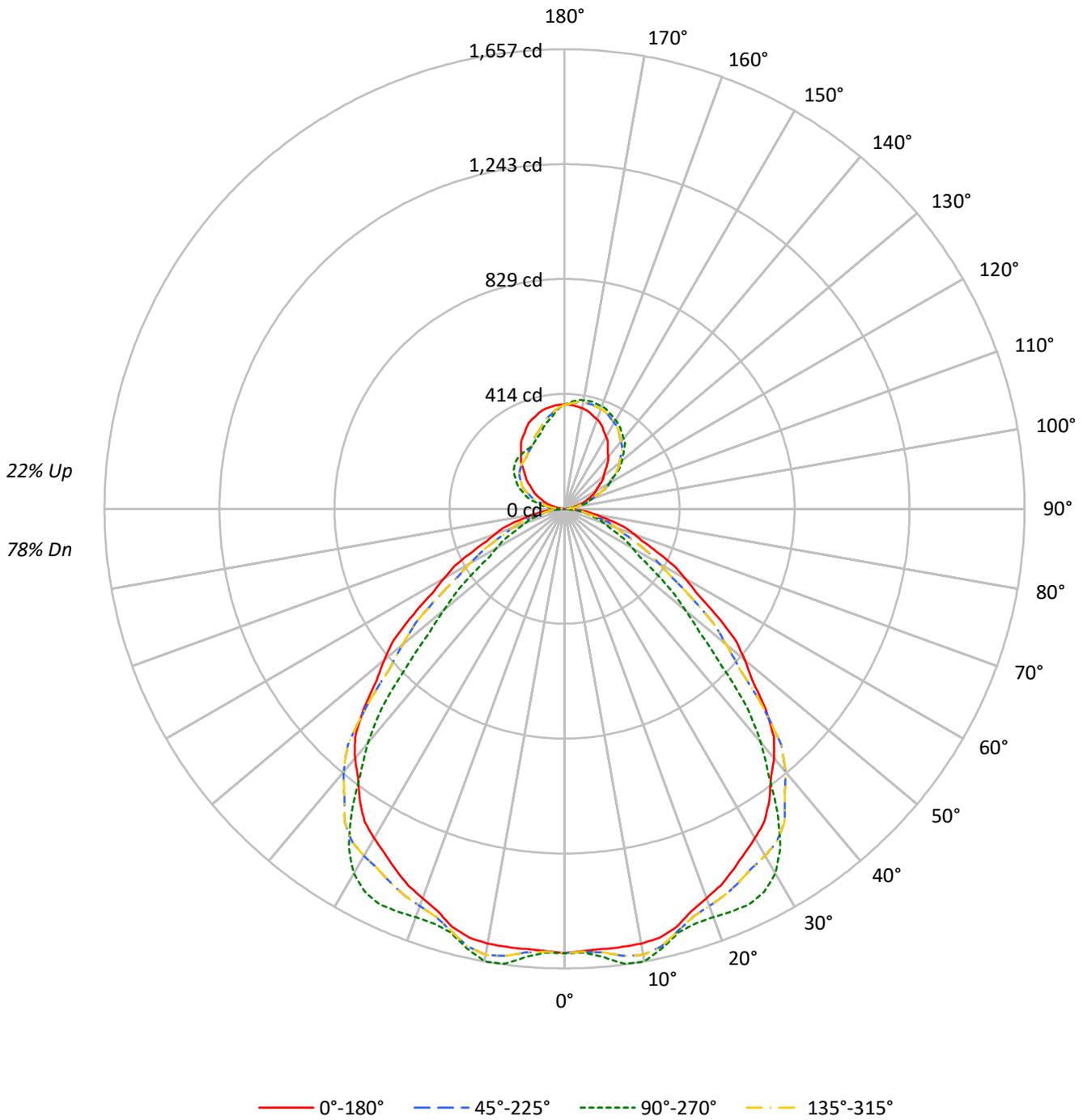
Lumens per Lamp: N/A
Luminaire Lumens: 4949.9 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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	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	97	93	90	88	86	83	81	79	77	74	72	71	68					68			
2	96	89	83	78	92	86	80	76	79	74	71	72	69	66	66	64	61	58					58			
3	89	79	72	66	84	76	70	64	70	65	61	65	60	57	59	56	53	50					50			
4	82	71	63	57	78	68	61	56	63	57	52	58	53	49	54	50	47	44					44			
5	75	64	56	50	72	61	54	48	57	51	46	53	47	43	49	44	41	39					39			
6	70	58	49	44	66	56	48	43	52	45	41	48	43	39	44	40	37	34					34			
7	65	52	44	39	62	51	43	38	47	41	36	44	38	34	41	36	33	31					31			
8	60	48	40	35	58	46	39	34	43	37	32	40	35	31	38	33	29	27					27			
9	56	44	36	31	54	42	35	31	40	34	29	37	32	28	35	30	27	25					25			
10	53	40	33	28	50	39	32	28	37	31	27	34	29	25	32	28	24	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	25857	25857	25857	25857
5°	25823	26299	25823	26299
10°	26095	27166	26095	27166
15°	26087	26442	26087	26442
20°	25666	26927	25666	26927
25°	25593	28035	25593	28035
30°	25566	28304	25566	28304
35°	25324	26352	25324	26352
40°	24740	23190	24740	23190
45°	23409	18340	23409	18340
50°	21282	14229	21282	14229
55°	18702	11074	18702	11074
60°	16184	9119	16184	9119
65°	13971	7985	13971	7985
70°	12562	7090	12562	7090
75°	11509	6519	11509	6519
80°	10014	6378	10014	6378
85°	7262	3020	7262	3020

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 25133 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.7	3.1
10°-20°	447.7	9.0
20°-30°	692.1	14.0
30°-40°	832.3	16.8
40°-50°	747.4	15.1
50°-60°	500.8	10.1
60°-70°	291.3	5.9
70°-80°	149.6	3.0
80°-90°	38.5	0.8
90°-100°	29.9	0.6
100°-110°	87.1	1.8
110°-120°	142.1	2.9
120°-130°	180.3	3.6
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°	1294.5	26.2
0°-40°	2126.8	43.0
0°-60°	3375.0	68.2
0°-90°	3854.4	77.9
90°-120°	259.0	5.2
90°-150°	812.5	16.4
90°-180°	1095.0	22.1
0°-180°	4949.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1602	1602	1602	1602	1602	
5°	1593	1623	1593	1623	1593	152
15°	1561	1582	1561	1582	1561	438
25°	1437	1574	1437	1574	1437	663
35°	1285	1337	1285	1337	1285	801
45°	1025	803	1025	803	1025	784
55°	664	393	664	393	664	597
65°	366	209	366	209	366	370
75°	184	104	184	104	184	196
85°	39	16	39	16	39	49
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°	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5
2.5°	1595.0	1603.7	1612.4	1608.5	1600.3	1596.6	1597.1	1598.0	1599.8	1601.5	1599.8
5°	1593.3	1605.7	1618.0	1615.1	1607.1	1603.9	1605.3	1608.2	1615.5	1622.7	1615.5
7.5°	1593.0	1610.6	1628.1	1629.5	1625.4	1625.5	1629.7	1635.2	1644.8	1654.4	1644.8
10°	1591.7	1612.7	1633.8	1636.9	1634.0	1632.9	1633.6	1636.7	1646.8	1657.0	1646.8
12.5°	1583.9	1608.4	1632.9	1630.3	1618.7	1612.4	1611.4	1612.0	1617.5	1623.0	1617.5
15°	1560.7	1589.7	1618.7	1606.9	1581.5	1569.9	1572.1	1574.7	1578.3	1581.9	1578.3
17.5°	1519.9	1550.2	1580.5	1569.9	1545.7	1537.5	1545.3	1553.0	1560.1	1567.2	1560.1
20°	1493.8	1523.5	1553.2	1546.0	1526.4	1521.7	1531.8	1542.5	1554.9	1567.2	1554.9
22.5°	1470.2	1500.0	1529.7	1525.1	1509.0	1508.0	1522.3	1537.2	1554.2	1571.1	1554.2
25°	1436.6	1462.7	1488.9	1489.4	1481.4	1489.4	1513.3	1536.0	1554.9	1573.7	1554.9
27.5°	1401.4	1416.7	1432.1	1442.3	1450.7	1471.1	1503.4	1531.0	1544.2	1557.4	1544.2
30°	1371.3	1381.5	1391.6	1410.5	1432.3	1457.3	1485.6	1508.1	1513.2	1518.2	1513.2
32.5°	1338.7	1344.8	1350.9	1377.4	1410.8	1434.9	1449.9	1459.5	1452.9	1446.4	1452.9
35°	1284.8	1289.9	1294.9	1328.9	1372.4	1388.4	1376.8	1364.6	1350.8	1337.0	1350.8
37.5°	1220.8	1231.2	1241.7	1269.3	1302.7	1302.4	1268.5	1239.0	1223.2	1207.4	1223.2
40°	1173.8	1191.2	1208.6	1227.1	1246.0	1230.0	1179.2	1136.6	1118.5	1100.3	1118.5
42.5°	1116.3	1144.2	1172.0	1176.2	1172.4	1138.2	1073.4	1019.3	997.1	974.9	997.1
45°	1025.2	1062.9	1100.7	1079.1	1037.7	981.9	911.5	852.5	827.9	803.2	827.9
47.5°	917.8	956.5	995.3	954.6	887.4	822.4	759.6	706.7	683.6	660.5	683.6
50°	847.3	878.5	909.7	863.6	791.8	726.5	667.7	617.3	591.9	566.5	591.9
52.5°	775.4	797.9	820.4	774.8	706.4	642.9	584.1	534.3	511.2	488.1	511.2
55°	664.4	676.0	687.7	645.4	585.2	527.1	471.3	425.4	409.4	393.4	409.4
57.5°	562.6	570.0	577.4	537.3	481.4	429.8	382.3	343.8	332.1	320.3	332.1
60°	501.2	506.3	511.3	470.7	414.8	368.4	331.4	301.3	291.9	282.4	291.9
62.5°	445.0	448.9	452.9	413.7	360.1	318.6	289.2	265.3	258.2	251.1	258.2
65°	365.7	369.3	372.9	339.6	293.9	259.8	237.3	219.1	214.0	209.0	214.0
67.5°	302.7	304.6	306.4	278.9	241.6	214.1	196.4	182.0	177.2	172.4	177.2
70°	266.1	266.8	267.6	243.2	210.6	186.3	170.3	157.4	153.8	150.2	153.8
72.5°	233.4	232.4	231.4	209.7	181.1	160.3	147.3	136.8	134.4	131.9	134.4
75°	184.5	182.3	180.1	162.2	138.9	123.0	114.3	107.4	105.9	104.5	105.9
77.5°	137.8	135.5	133.1	118.2	99.0	88.0	85.1	82.9	82.9	82.9	82.9
80°	107.7	104.8	101.9	90.3	75.8	68.6	68.6	68.6	68.6	68.6	68.6
82.5°	80.3	76.3	72.2	65.1	57.0	52.9	52.9	52.7	52.2	51.6	52.2
85°	39.2	35.6	31.9	31.0	31.0	28.8	24.5	20.7	18.5	16.3	18.5
87.5°	10.7	11.0	11.4	9.5	6.8	5.4	5.4	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°	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5
2.5°	1598.0	1597.1	1596.6	1600.3	1608.5	1612.4	1603.7	1595.0	1603.7	1612.4	1608.5
5°	1608.2	1605.3	1603.9	1607.1	1615.1	1618.0	1605.7	1593.3	1605.7	1618.0	1615.1
7.5°	1635.2	1629.7	1625.5	1625.4	1629.5	1628.1	1610.6	1593.0	1610.6	1628.1	1629.5
10°	1636.7	1633.6	1632.9	1634.0	1636.9	1633.8	1612.7	1591.7	1612.7	1633.8	1636.9
12.5°	1612.0	1611.4	1612.4	1618.7	1630.3	1632.9	1608.4	1583.9	1608.4	1632.9	1630.3
15°	1574.7	1572.1	1569.9	1581.5	1606.9	1618.7	1589.7	1560.7	1589.7	1618.7	1606.9
17.5°	1553.0	1545.3	1537.5	1545.7	1569.9	1580.5	1550.2	1519.9	1550.2	1580.5	1569.9
20°	1542.5	1531.8	1521.7	1526.4	1546.0	1553.2	1523.5	1493.8	1523.5	1553.2	1546.0
22.5°	1537.2	1522.3	1508.0	1509.0	1525.1	1529.7	1500.0	1470.2	1500.0	1529.7	1525.1
25°	1536.0	1513.3	1489.4	1481.4	1489.4	1488.9	1462.7	1436.6	1462.7	1488.9	1489.4
27.5°	1531.0	1503.4	1471.1	1450.7	1442.3	1432.1	1416.7	1401.4	1416.7	1432.1	1442.3
30°	1508.1	1485.6	1457.3	1432.3	1410.5	1391.6	1381.5	1371.3	1381.5	1391.6	1410.5
32.5°	1459.5	1449.9	1434.9	1410.8	1377.4	1350.9	1344.8	1338.7	1344.8	1350.9	1377.4
35°	1364.6	1376.8	1388.4	1372.4	1328.9	1294.9	1289.9	1284.8	1289.9	1294.9	1328.9
37.5°	1239.0	1268.5	1302.4	1302.7	1269.3	1241.7	1231.2	1220.8	1231.2	1241.7	1269.3
40°	1136.6	1179.2	1230.0	1246.0	1227.1	1208.6	1191.2	1173.8	1191.2	1208.6	1227.1
42.5°	1019.3	1073.4	1138.2	1172.4	1176.2	1172.0	1144.2	1116.3	1144.2	1172.0	1176.2
45°	852.5	911.5	981.9	1037.7	1079.1	1100.7	1062.9	1025.2	1062.9	1100.7	1079.1
47.5°	706.7	759.6	822.4	887.4	954.6	995.3	956.5	917.8	956.5	995.3	954.6
50°	617.3	667.7	726.5	791.8	863.6	909.7	878.5	847.3	878.5	909.7	863.6
52.5°	534.3	584.1	642.9	706.4	774.8	820.4	797.9	775.4	797.9	820.4	774.8
55°	425.4	471.3	527.1	585.2	645.4	687.7	676.0	664.4	676.0	687.7	645.4
57.5°	343.8	382.3	429.8	481.4	537.3	577.4	570.0	562.6	570.0	577.4	537.3
60°	301.3	331.4	368.4	414.8	470.7	511.3	506.3	501.2	506.3	511.3	470.7
62.5°	265.3	289.2	318.6	360.1	413.7	452.9	448.9	445.0	448.9	452.9	413.7
65°	219.1	237.3	259.8	293.9	339.6	372.9	369.3	365.7	369.3	372.9	339.6
67.5°	182.0	196.4	214.1	241.6	278.9	306.4	304.6	302.7	304.6	306.4	278.9
70°	157.4	170.3	186.3	210.6	243.2	267.6	266.8	266.1	266.8	267.6	243.2
72.5°	136.8	147.3	160.3	181.1	209.7	231.4	232.4	233.4	232.4	231.4	209.7
75°	107.4	114.3	123.0	138.9	162.2	180.1	182.3	184.5	182.3	180.1	162.2
77.5°	82.9	85.1	88.0	99.0	118.2	133.1	135.5	137.8	135.5	133.1	118.2
80°	68.6	68.6	68.6	75.8	90.3	101.9	104.8	107.7	104.8	101.9	90.3
82.5°	52.7	52.9	52.9	57.0	65.1	72.2	76.3	80.3	76.3	72.2	65.1
85°	20.7	24.5	28.8	31.0	31.0	31.9	35.6	39.2	35.6	31.9	31.0
87.5°	5.5	5.4	5.4	6.8	9.5	11.4	11.0	10.7	11.0	11.3	9.6
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: P1428186

CATALOG NUMBER: SQ2W-PR1-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: P1428186

CATALOG NUMBER: SQ2W-PR1-K-025U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5
2.5°	1600.3	1596.6	1597.1	1598.0	1599.8	1601.5	1599.8	1598.0	1597.1	1596.6	1600.3
5°	1607.1	1603.9	1605.3	1608.2	1615.5	1622.7	1615.5	1608.2	1605.3	1603.9	1607.1
7.5°	1625.4	1625.5	1629.7	1635.2	1644.8	1654.4	1644.8	1635.2	1629.7	1625.5	1625.4
10°	1634.0	1632.9	1633.6	1636.7	1646.8	1657.0	1646.8	1636.7	1633.6	1632.9	1634.0
12.5°	1618.7	1612.4	1611.4	1612.0	1617.5	1623.0	1617.5	1612.0	1611.4	1612.4	1618.7
15°	1581.5	1569.9	1572.1	1574.7	1578.3	1581.9	1578.3	1574.7	1572.1	1569.9	1581.5
17.5°	1545.7	1537.5	1545.3	1553.0	1560.1	1567.2	1560.1	1553.0	1545.3	1537.5	1545.7
20°	1526.4	1521.7	1531.8	1542.5	1554.9	1567.2	1554.9	1542.5	1531.8	1521.7	1526.4
22.5°	1509.0	1508.0	1522.3	1537.2	1554.2	1571.1	1554.2	1537.2	1522.3	1508.0	1509.0
25°	1481.4	1489.4	1513.3	1536.0	1554.9	1573.7	1554.9	1536.0	1513.3	1489.4	1481.4
27.5°	1450.7	1471.1	1503.4	1531.0	1544.2	1557.4	1544.2	1531.0	1503.4	1471.1	1450.7
30°	1432.3	1457.3	1485.6	1508.1	1513.2	1518.2	1513.2	1508.1	1485.6	1457.3	1432.3
32.5°	1410.8	1434.9	1449.9	1459.5	1452.9	1446.4	1452.9	1459.5	1449.9	1434.9	1410.8
35°	1372.4	1388.4	1376.8	1364.6	1350.8	1337.0	1350.8	1364.6	1376.8	1388.4	1372.4
37.5°	1302.7	1302.4	1268.5	1239.0	1223.2	1207.4	1223.2	1239.0	1268.5	1302.4	1302.7
40°	1246.0	1230.0	1179.2	1136.6	1118.5	1100.3	1118.5	1136.6	1179.2	1230.0	1246.0
42.5°	1172.4	1138.2	1073.4	1019.3	997.1	974.9	997.1	1019.3	1073.4	1138.2	1172.4
45°	1037.7	981.9	911.5	852.5	827.9	803.2	827.9	852.5	911.5	981.9	1037.7
47.5°	887.4	822.4	759.6	706.7	683.6	660.5	683.6	706.7	759.6	822.4	887.4
50°	791.8	726.5	667.7	617.3	591.9	566.5	591.9	617.3	667.7	726.5	791.8
52.5°	706.4	642.9	584.1	534.3	511.2	488.1	511.2	534.3	584.1	642.9	706.4
55°	585.2	527.1	471.3	425.4	409.4	393.4	409.4	425.4	471.3	527.1	585.2
57.5°	481.4	429.8	382.3	343.8	332.1	320.3	332.1	343.8	382.3	429.8	481.4
60°	414.8	368.4	331.4	301.3	291.9	282.4	291.9	301.3	331.4	368.4	414.8
62.5°	360.1	318.6	289.2	265.3	258.2	251.1	258.2	265.3	289.2	318.6	360.1
65°	293.9	259.8	237.3	219.1	214.0	209.0	214.0	219.1	237.3	259.8	293.9
67.5°	241.6	214.1	196.4	182.0	177.2	172.4	177.2	182.0	196.4	214.1	241.6
70°	210.6	186.3	170.3	157.4	153.8	150.2	153.8	157.4	170.3	186.3	210.6
72.5°	181.1	160.3	147.3	136.8	134.4	131.9	134.4	136.8	147.3	160.3	181.1
75°	138.9	123.0	114.3	107.4	105.9	104.5	105.9	107.4	114.3	123.0	138.9
77.5°	99.0	88.0	85.1	82.9	82.9	82.9	82.9	82.9	85.1	88.0	99.0
80°	75.8	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	75.8
82.5°	57.0	52.9	52.9	52.7	52.2	51.6	52.2	52.7	52.9	52.9	57.0
85°	31.0	28.8	24.5	20.7	18.5	16.3	18.5	20.7	24.5	28.8	31.0
87.5°	7.1	6.2	6.7	7.0	7.3	7.2	7.3	7.0	6.7	6.2	7.1
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: P1428186

CATALOG NUMBER: SQ2W-PR1-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: P1428186

CATALOG NUMBER: SQ2W-PR1-K-025U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1601.5	1601.5	1601.5	1601.5
2.5°	1608.5	1612.4	1603.7	1595.0
5°	1615.1	1618.0	1605.7	1593.3
7.5°	1629.5	1628.1	1610.6	1593.0
10°	1636.9	1633.8	1612.7	1591.7
12.5°	1630.3	1632.9	1608.4	1583.9
15°	1606.9	1618.7	1589.7	1560.7
17.5°	1569.9	1580.5	1550.2	1519.9
20°	1546.0	1553.2	1523.5	1493.8
22.5°	1525.1	1529.7	1500.0	1470.2
25°	1489.4	1488.9	1462.7	1436.6
27.5°	1442.3	1432.1	1416.7	1401.4
30°	1410.5	1391.6	1381.5	1371.3
32.5°	1377.4	1350.9	1344.8	1338.7
35°	1328.9	1294.9	1289.9	1284.8
37.5°	1269.3	1241.7	1231.2	1220.8
40°	1227.1	1208.6	1191.2	1173.8
42.5°	1176.2	1172.0	1144.2	1116.3
45°	1079.1	1100.7	1062.9	1025.2
47.5°	954.6	995.3	956.5	917.8
50°	863.6	909.7	878.5	847.3
52.5°	774.8	820.4	797.9	775.4
55°	645.4	687.7	676.0	664.4
57.5°	537.3	577.4	570.0	562.6
60°	470.7	511.3	506.3	501.2
62.5°	413.7	452.9	448.9	445.0
65°	339.6	372.9	369.3	365.7
67.5°	278.9	306.4	304.6	302.7
70°	243.2	267.6	266.8	266.1
72.5°	209.7	231.4	232.4	233.4
75°	162.2	180.1	182.3	184.5
77.5°	118.2	133.1	135.5	137.8
80°	90.3	101.9	104.8	107.7
82.5°	65.1	72.2	76.3	80.3
85°	31.0	31.9	35.6	39.2
87.5°	9.6	11.3	11.0	10.7
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: P1428186

CATALOG NUMBER: SQ2W-PR1-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: P1428186
 CATALOG NUMBER: SQ2W-PR1-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	20.28	21.38	20.96	22.08	22.89	16.64	17.75	17.33	18.45	19.26
	3H	21.50	22.49	22.20	23.20	24.04	17.83	18.82	18.52	19.52	20.37
	4H	22.00	22.93	22.72	23.64	24.50	18.30	19.23	19.02	19.95	20.81
	6H	22.31	23.16	23.04	23.89	24.76	18.66	19.51	19.38	20.24	21.11
	8H	22.42	23.23	23.16	23.98	24.85	18.80	19.61	19.54	20.36	21.23
	12H	22.47	23.24	23.21	23.98	24.88	18.84	19.61	19.58	20.35	21.25
4H	2H	20.41	21.34	21.13	22.06	22.91	17.39	18.32	18.11	19.03	19.89
	3H	21.89	22.66	22.63	23.42	24.29	18.77	19.53	19.50	20.29	21.16
	4H	22.53	23.23	23.28	23.98	24.89	19.32	20.02	20.07	20.77	21.68
	6H	22.98	23.58	23.74	24.35	25.27	19.77	20.37	20.53	21.14	22.06
	8H	23.14	23.70	23.91	24.47	25.40	19.95	20.51	20.72	21.29	22.22
	12H	23.22	23.72	24.01	24.52	25.45	20.01	20.51	20.80	21.31	22.24
8H	4H	22.57	23.13	23.34	23.91	24.84	19.66	20.22	20.43	21.00	21.93
	6H	23.11	23.58	23.91	24.39	25.32	20.21	20.68	21.01	21.49	22.42
	8H	23.35	23.76	24.16	24.58	25.52	20.47	20.89	21.29	21.71	22.65
	12H	23.48	23.84	24.29	24.65	25.65	20.58	20.94	21.39	21.75	22.75
12H	4H	22.54	23.05	23.33	23.84	24.77	19.69	20.20	20.48	21.00	21.93
	6H	23.10	23.52	23.91	24.33	25.28	20.28	20.70	21.10	21.52	22.46
	8H	23.36	23.73	24.18	24.54	25.54	20.58	20.95	21.40	21.76	22.76