

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: P1428214

Luminaire Tested: SQ2W-PR1-K-050U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428214
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-050U-075D-L940-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 500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

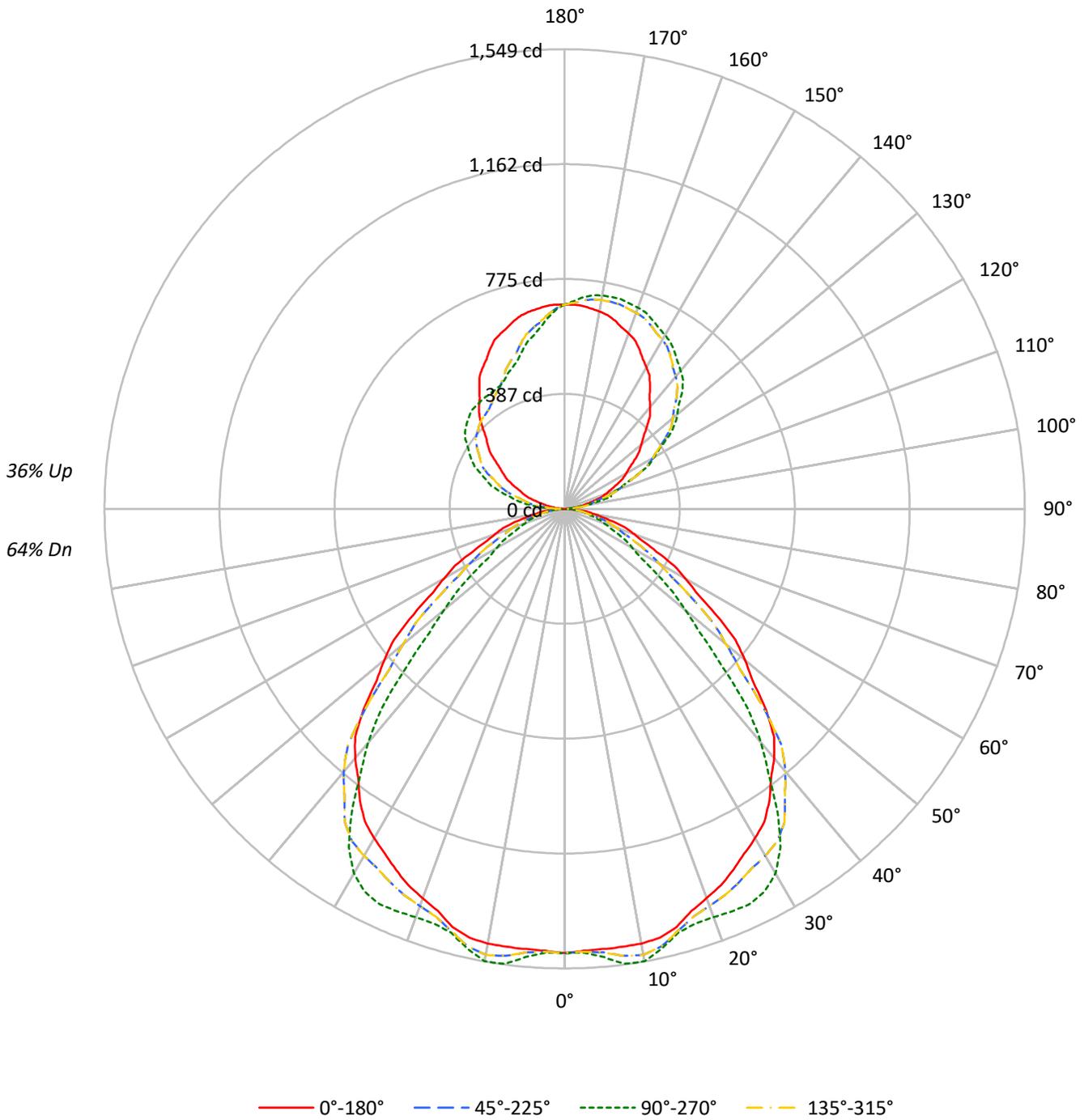
Lumens per Lamp: N/A
Luminaire Lumens: 5614.6 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 41.6
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

TEST NUMBER: P1428214

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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	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	64				
1	102	98	94	91	96	92	89	86	81	79	77	71	70	68	62	61	60	56				
2	93	86	80	75	88	81	76	72	72	68	65	64	61	58	56	54	52	48				
3	86	76	69	64	80	72	66	61	64	59	55	57	53	50	50	47	45	41				
4	79	68	60	55	74	65	58	52	58	52	48	51	47	43	45	42	39	36				
5	73	61	53	47	68	58	51	45	52	46	42	46	42	38	41	38	35	32				
6	67	55	47	41	63	52	45	40	47	41	37	42	37	34	37	34	31	28				
7	62	50	42	37	58	48	40	35	43	37	33	38	34	30	34	30	28	25				
8	58	46	38	33	54	43	36	31	39	33	29	35	31	27	32	28	25	23				
9	54	42	34	29	51	40	33	28	36	30	26	33	28	24	29	25	22	20				
10	50	38	31	26	48	37	30	26	33	28	24	30	25	22	27	23	20	19				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24168	24168	24168	24168
5°	24137	24583	24137	24583
10°	24392	25392	24392	25392
15°	24384	24715	24384	24715
20°	23989	25170	23989	25170
25°	23922	26205	23922	26205
30°	23897	26457	23897	26457
35°	23670	24632	23670	24632
40°	23123	21677	23123	21677
45°	21881	17141	21881	17141
50°	19891	13300	19891	13300
55°	17480	10350	17480	10350
60°	15128	8525	15128	8525
65°	13058	7461	13058	7461
70°	11740	6628	11740	6628
75°	10755	6095	10755	6095
80°	9363	5960	9363	5960
85°	6780	2834	6780	2834

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 23491 cd/sqm



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CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L940-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.6	2.6
10°-20°	418.5	7.5
20°-30°	646.9	11.5
30°-40°	778.0	13.9
40°-50°	698.6	12.4
50°-60°	468.1	8.3
60°-70°	272.3	4.9
70°-80°	139.9	2.5
80°-90°	37.3	0.7
90°-100°	54.8	1.0
100°-110°	159.8	2.8
110°-120°	260.8	4.6
120°-130°	330.9	5.9
130°-140°	354.1	6.3
140°-150°	330.7	5.9
150°-160°	272.1	4.8
160°-170°	182.5	3.3
170°-180°	64.8	1.2
0°-30°	1210.0	21.6
0°-40°	1987.9	35.4
0°-60°	3154.6	56.2
0°-90°	3604.1	64.2
90°-120°	475.4	8.5
90°-150°	1491.1	26.6
90°-180°	2010.0	35.8
0°-180°	5614.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1497	1497	1497	1497	1497	
5°	1489	1517	1489	1517	1489	142
15°	1459	1479	1459	1479	1459	410
25°	1343	1471	1343	1471	1343	619
35°	1201	1250	1201	1250	1201	749
45°	958	751	958	751	958	733
55°	621	368	621	368	621	558
65°	342	195	342	195	342	346
75°	172	98	172	98	172	183
85°	37	15	37	15	37	45
90°	2	15	2	30	2	3
95°	22	16	22	94	22	26
105°	102	163	102	224	102	108
115°	195	270	195	332	195	192
125°	288	428	288	408	288	258
135°	392	560	392	451	392	303
145°	500	645	500	461	500	313
155°	594	701	594	478	594	273
165°	657	731	657	551	657	185
175°	686	716	686	646	686	65
180°	689	689	689	689	689	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9
2.5°	1490.8	1499.0	1507.1	1503.4	1495.8	1492.3	1492.9	1493.7	1495.3	1496.9	1495.3
5°	1489.3	1500.8	1512.3	1509.6	1502.2	1499.1	1500.5	1503.2	1510.0	1516.8	1510.0
7.5°	1489.0	1505.4	1521.8	1523.1	1519.3	1519.3	1523.3	1528.5	1537.4	1546.4	1537.4
10°	1487.8	1507.4	1527.1	1530.0	1527.3	1526.3	1526.9	1529.8	1539.3	1548.8	1539.3
12.5°	1480.4	1503.4	1526.3	1523.9	1513.0	1507.1	1506.2	1506.8	1511.9	1517.1	1511.9
15°	1458.8	1485.9	1513.0	1502.0	1478.3	1467.4	1469.5	1471.8	1475.2	1478.6	1475.2
17.5°	1420.6	1449.0	1477.3	1467.4	1444.8	1437.1	1444.4	1451.6	1458.2	1464.9	1458.2
20°	1396.2	1424.0	1451.8	1445.0	1426.7	1422.3	1431.8	1441.8	1453.3	1464.9	1453.3
22.5°	1374.2	1402.0	1429.8	1425.5	1410.5	1409.6	1422.9	1436.8	1452.7	1468.5	1452.7
25°	1342.8	1367.2	1391.6	1392.1	1384.7	1392.1	1414.5	1435.7	1453.3	1471.0	1453.3
27.5°	1309.8	1324.2	1338.6	1348.1	1356.0	1375.0	1405.3	1431.0	1443.4	1455.7	1443.4
30°	1281.8	1291.3	1300.8	1318.4	1338.7	1362.1	1388.6	1409.6	1414.4	1419.1	1414.4
32.5°	1251.2	1256.9	1262.6	1287.5	1318.7	1341.2	1355.2	1364.2	1358.1	1352.0	1358.1
35°	1200.9	1205.6	1210.4	1242.1	1282.8	1297.7	1286.9	1275.5	1262.6	1249.7	1262.6
37.5°	1141.1	1150.8	1160.6	1186.4	1217.6	1217.4	1185.6	1158.1	1143.3	1128.6	1143.3
40°	1097.1	1113.4	1129.7	1147.0	1164.6	1149.7	1102.2	1062.4	1045.4	1028.5	1045.4
42.5°	1043.4	1069.5	1095.5	1099.4	1095.8	1063.8	1003.3	952.8	932.0	911.3	932.0
45°	958.3	993.5	1028.8	1008.6	970.0	917.8	852.0	796.9	773.8	750.7	773.8
47.5°	857.9	894.1	930.3	892.3	829.5	768.7	710.0	660.5	639.0	617.4	639.0
50°	791.9	821.1	850.3	807.2	740.1	679.0	624.1	577.0	553.2	529.5	553.2
52.5°	724.8	745.8	766.9	724.2	660.3	600.9	546.0	499.4	477.8	456.2	477.8
55°	621.0	631.9	642.7	603.2	547.0	492.7	440.5	397.6	382.7	367.7	382.7
57.5°	525.8	532.7	539.7	502.2	450.0	401.7	357.4	321.4	310.4	299.4	310.4
60°	468.5	473.2	477.9	440.0	387.8	344.3	309.8	281.6	272.8	264.0	272.8
62.5°	416.0	419.6	423.3	386.7	336.6	297.8	270.3	248.0	241.3	234.7	241.3
65°	341.8	345.2	348.6	317.4	274.7	242.8	221.8	204.8	200.1	195.3	200.1
67.5°	282.9	284.7	286.4	260.7	225.9	200.2	183.6	170.1	165.6	161.1	165.6
70°	248.7	249.4	250.1	227.4	196.8	174.1	159.2	147.2	143.8	140.4	143.8
72.5°	218.2	217.3	216.3	196.0	169.3	149.8	137.6	127.9	125.6	123.3	125.6
75°	172.4	170.4	168.4	151.6	129.9	115.0	106.8	100.4	99.0	97.7	99.0
77.5°	128.8	126.6	124.4	110.5	92.6	82.3	79.6	77.5	77.5	77.5	77.5
80°	100.7	98.0	95.3	84.4	70.9	64.1	64.1	64.1	64.1	64.1	64.1
82.5°	75.1	71.3	67.5	60.8	53.2	49.4	49.4	49.3	48.8	48.2	48.8
85°	36.6	33.2	29.8	29.0	29.0	27.0	22.9	19.3	17.3	15.3	17.3
87.5°	10.2	10.7	11.4	10.0	7.7	6.4	6.4	6.6	6.7	6.7	6.7
90°	2.1	4.9	8.3	11.1	13.2	13.9	13.9	14.6	15.3	15.3	15.3
92.5°	7.7	12.1	12.2	12.2	14.9	16.1	17.2	17.4	18.1	18.1	18.1
95°	21.6	23.6	35.5	34.8	23.6	18.8	16.0	16.0	16.0	16.0	16.0
97.5°	41.2	44.2	46.2	61.9	65.4	63.2	51.5	43.3	38.7	36.6	38.7
100°	58.4	59.8	64.0	64.7	82.1	98.8	90.4	80.0	76.5	74.4	76.5
102.5°	75.7	76.5	82.9	85.8	89.9	99.3	128.3	125.1	122.7	122.3	122.7
105°	101.5	102.2	114.1	119.6	122.4	122.4	121.7	135.6	157.9	162.7	157.9
107.5°	129.2	132.4	146.3	161.2	164.4	165.3	161.6	159.5	158.7	159.3	158.7
110°	148.1	153.0	169.7	188.5	193.4	194.7	193.4	191.3	189.9	189.9	189.9

TEST NUMBER: P1428214

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	166.5	173.6	192.5	214.1	222.3	226.5	223.4	221.9	220.5	221.6	220.5
115°	194.7	205.2	230.2	252.5	269.2	271.2	270.6	270.6	269.9	269.9	269.9
117.5°	220.9	237.6	265.7	291.6	310.9	316.5	319.2	318.4	317.6	319.0	317.6
120°	239.3	258.7	290.7	319.9	338.7	347.1	349.8	348.4	349.8	348.4	349.8
122.5°	258.7	282.7	314.1	344.4	366.5	376.0	379.3	379.6	379.9	379.1	379.9
125°	287.9	317.2	354.0	385.3	408.3	419.4	422.2	422.9	424.3	427.7	424.3
127.5°	317.4	350.5	391.0	421.2	444.7	458.2	462.5	464.0	467.0	468.5	467.0
130°	338.0	375.6	416.6	445.1	468.1	482.7	490.3	492.4	495.9	495.2	495.9
132.5°	359.7	398.9	440.5	470.2	491.4	507.2	513.7	519.7	520.9	521.9	520.9
135°	391.6	434.0	475.7	504.9	525.1	540.4	548.8	554.3	557.8	559.9	557.8
137.5°	425.1	469.9	509.9	536.0	556.3	569.5	578.9	584.8	588.4	590.1	588.4
140°	447.9	491.0	530.0	557.1	575.2	588.4	596.7	603.7	607.9	607.9	607.9
142.5°	469.6	512.2	550.0	577.1	593.0	605.1	614.0	619.3	624.0	624.0	624.0
145°	500.1	542.5	577.3	604.4	617.6	628.7	638.5	642.6	645.4	645.4	645.4
147.5°	531.9	569.5	601.2	627.2	638.3	651.4	659.1	662.4	665.9	664.3	665.9
150°	550.8	585.6	616.2	640.6	651.7	664.2	671.9	674.6	678.1	676.0	678.1
152.5°	569.2	602.3	630.1	652.8	662.3	674.8	683.5	686.3	688.7	687.2	688.7
155°	594.0	623.2	648.9	669.8	678.1	689.9	698.3	701.8	704.5	701.1	704.5
157.5°	616.1	641.3	663.7	682.8	691.8	701.9	709.7	714.0	716.8	715.3	716.8
160°	629.4	652.4	672.6	690.6	699.0	708.0	716.4	721.2	724.0	721.9	724.0
162.5°	640.6	661.3	680.3	696.8	704.0	711.9	721.9	726.2	729.0	726.4	729.0
165°	656.6	673.3	689.9	703.9	710.1	716.4	726.8	731.7	733.8	731.0	733.8
167.5°	668.7	681.5	695.0	706.9	711.5	717.6	728.1	732.1	734.7	731.3	734.7
170°	675.3	686.5	698.3	708.0	711.5	717.1	727.5	731.0	733.1	729.6	733.1
172.5°	680.9	689.2	698.8	707.5	709.3	713.7	723.6	727.1	728.6	725.7	728.6
175°	686.5	691.3	698.3	703.9	703.2	705.9	714.3	717.1	719.9	715.7	719.9
177.5°	689.1	691.3	693.6	696.9	694.7	694.7	700.8	702.5	703.0	700.8	703.0
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9
2.5°	1493.7	1492.9	1492.3	1495.8	1503.4	1507.1	1499.0	1490.8	1499.0	1507.1	1503.4
5°	1503.2	1500.5	1499.1	1502.2	1509.6	1512.3	1500.8	1489.3	1500.8	1512.3	1509.6
7.5°	1528.5	1523.3	1519.3	1519.3	1523.1	1521.8	1505.4	1489.0	1505.4	1521.8	1523.1
10°	1529.8	1526.9	1526.3	1527.3	1530.0	1527.1	1507.4	1487.8	1507.4	1527.1	1530.0
12.5°	1506.8	1506.2	1507.1	1513.0	1523.9	1526.3	1503.4	1480.4	1503.4	1526.3	1523.9
15°	1471.8	1469.5	1467.4	1478.3	1502.0	1513.0	1485.9	1458.8	1485.9	1513.0	1502.0
17.5°	1451.6	1444.4	1437.1	1444.8	1467.4	1477.3	1449.0	1420.6	1449.0	1477.3	1467.4
20°	1441.8	1431.8	1422.3	1426.7	1445.0	1451.8	1424.0	1396.2	1424.0	1451.8	1445.0
22.5°	1436.8	1422.9	1409.6	1410.5	1425.5	1429.8	1402.0	1374.2	1402.0	1429.8	1425.5
25°	1435.7	1414.5	1392.1	1384.7	1392.1	1391.6	1367.2	1342.8	1367.2	1391.6	1392.1
27.5°	1431.0	1405.3	1375.0	1356.0	1348.1	1338.6	1324.2	1309.8	1324.2	1338.6	1348.1
30°	1409.6	1388.6	1362.1	1338.7	1318.4	1300.8	1291.3	1281.8	1291.3	1300.8	1318.4
32.5°	1364.2	1355.2	1341.2	1318.7	1287.5	1262.6	1256.9	1251.2	1256.9	1262.6	1287.5
35°	1275.5	1286.9	1297.7	1282.8	1242.1	1210.4	1205.6	1200.9	1205.6	1210.4	1242.1
37.5°	1158.1	1185.6	1217.4	1217.6	1186.4	1160.6	1150.8	1141.1	1150.8	1160.6	1186.4
40°	1062.4	1102.2	1149.7	1164.6	1147.0	1129.7	1113.4	1097.1	1113.4	1129.7	1147.0
42.5°	952.8	1003.3	1063.8	1095.8	1099.4	1095.5	1069.5	1043.4	1069.5	1095.5	1099.4
45°	796.9	852.0	917.8	970.0	1008.6	1028.8	993.5	958.3	993.5	1028.8	1008.6
47.5°	660.5	710.0	768.7	829.5	892.3	930.3	894.1	857.9	894.1	930.3	892.3
50°	577.0	624.1	679.0	740.1	807.2	850.3	821.1	791.9	821.1	850.3	807.2
52.5°	499.4	546.0	600.9	660.3	724.2	766.9	745.8	724.8	745.8	766.9	724.2
55°	397.6	440.5	492.7	547.0	603.2	642.7	631.9	621.0	631.9	642.7	603.2
57.5°	321.4	357.4	401.7	450.0	502.2	539.7	532.7	525.8	532.7	539.7	502.2
60°	281.6	309.8	344.3	387.8	440.0	477.9	473.2	468.5	473.2	477.9	440.0
62.5°	248.0	270.3	297.8	336.6	386.7	423.3	419.6	416.0	419.6	423.3	386.7
65°	204.8	221.8	242.8	274.7	317.4	348.6	345.2	341.8	345.2	348.6	317.4
67.5°	170.1	183.6	200.2	225.9	260.7	286.4	284.7	282.9	284.7	286.4	260.7
70°	147.2	159.2	174.1	196.8	227.4	250.1	249.4	248.7	249.4	250.1	227.4
72.5°	127.9	137.6	149.8	169.3	196.0	216.3	217.3	218.2	217.3	216.3	196.0
75°	100.4	106.8	115.0	129.9	151.6	168.4	170.4	172.4	170.4	168.4	151.6
77.5°	77.5	79.6	82.3	92.6	110.5	124.4	126.6	128.8	126.6	124.4	110.5
80°	64.1	64.1	64.1	70.9	84.4	95.3	98.0	100.7	98.0	95.3	84.4
82.5°	49.3	49.4	49.4	53.2	60.8	67.5	71.3	75.1	71.3	67.5	60.8
85°	19.3	22.9	27.0	29.0	29.0	29.8	33.2	36.6	33.2	29.8	29.0
87.5°	6.6	6.4	6.4	7.7	10.0	11.4	10.7	10.2	10.7	11.3	10.2
90°	14.6	13.9	13.9	13.2	11.1	8.3	4.9	2.1	4.9	7.7	12.5
92.5°	17.4	17.2	16.1	14.9	12.2	12.2	12.1	7.7	13.2	18.8	27.0
95°	16.0	16.0	18.8	23.6	34.8	35.5	23.6	21.6	30.6	43.1	54.2
97.5°	43.3	51.5	63.2	65.4	61.9	46.2	44.2	41.2	56.1	68.4	86.4
100°	80.0	90.4	98.8	82.1	64.7	64.0	59.8	58.4	74.4	86.2	103.6
102.5°	125.1	128.3	99.3	89.9	85.8	82.9	76.5	75.7	91.7	107.9	122.5
105°	135.6	121.7	122.4	122.4	119.6	114.1	102.2	101.5	119.6	138.4	156.5
107.5°	159.5	161.6	165.3	164.4	161.2	146.3	132.4	129.2	145.5	168.0	187.9
110°	191.3	193.4	194.7	193.4	188.5	169.7	153.0	148.1	162.7	186.4	208.0



TEST NUMBER: P1428214

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	221.9	223.4	226.5	222.3	214.1	192.5	173.6	166.5	181.1	205.3	227.4
115°	270.6	270.6	271.2	269.2	252.5	230.2	205.2	194.7	207.3	229.5	253.9
117.5°	318.4	319.2	316.5	310.9	291.6	265.7	237.6	220.9	230.8	254.3	279.3
120°	348.4	349.8	347.1	338.7	319.9	290.7	258.7	239.3	246.9	269.9	294.9
122.5°	379.6	379.3	376.0	366.5	344.4	314.1	282.7	258.7	261.9	283.2	307.7
125°	422.9	422.2	419.4	408.3	385.3	354.0	317.2	287.9	283.8	301.9	326.9
127.5°	464.0	462.5	458.2	444.7	421.2	391.0	350.5	317.4	308.1	319.5	342.5
130°	492.4	490.3	482.7	468.1	445.1	416.6	375.6	338.0	324.8	331.8	351.9
132.5°	519.7	513.7	507.2	491.4	470.2	440.5	398.9	359.7	341.5	344.6	360.3
135°	554.3	548.8	540.4	525.1	504.9	475.7	434.0	391.6	366.5	363.8	372.8
137.5°	584.8	578.9	569.5	556.3	536.0	509.9	469.9	425.1	393.5	384.2	387.7
140°	603.7	596.7	588.4	575.2	557.1	530.0	491.0	447.9	412.4	399.2	397.1
142.5°	619.3	614.0	605.1	593.0	577.1	550.0	512.2	469.6	431.9	414.8	409.9
145°	642.6	638.5	628.7	617.6	604.4	577.3	542.5	500.1	462.5	440.3	429.8
147.5°	662.4	659.1	651.4	638.3	627.2	601.2	569.5	531.9	493.4	465.9	452.4
150°	674.6	671.9	664.2	651.7	640.6	616.2	585.6	550.8	514.0	484.8	467.4
152.5°	686.3	683.5	674.8	662.3	652.8	630.1	602.3	569.2	531.8	502.6	484.6
155°	701.8	698.3	689.9	678.1	669.8	648.9	623.2	594.0	562.0	531.4	511.2
157.5°	714.0	709.7	701.9	691.8	682.8	663.7	641.3	616.1	588.1	558.9	538.3
160°	721.2	716.4	708.0	699.0	690.6	672.6	652.4	629.4	603.7	577.3	555.0
162.5°	726.2	721.9	711.9	704.0	696.8	680.3	661.3	640.6	617.6	594.5	573.9
165°	731.7	726.8	716.4	710.1	703.9	689.9	673.3	656.6	637.1	618.3	601.6
167.5°	732.1	728.1	717.6	711.5	706.9	695.0	681.5	668.7	653.5	638.8	624.8
170°	731.0	727.5	717.1	711.5	708.0	698.3	686.5	675.3	663.5	651.0	639.9
172.5°	727.1	723.6	713.7	709.3	707.5	698.8	689.2	680.9	670.7	661.6	652.7
175°	717.1	714.3	705.9	703.2	703.9	698.3	691.3	686.5	680.2	674.6	669.8
177.5°	702.5	700.8	694.7	694.7	696.9	693.6	691.3	689.1	686.3	684.7	683.0
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



TEST NUMBER: P1428214

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9
2.5°	1495.8	1492.3	1492.9	1493.7	1495.3	1496.9	1495.3	1493.7	1492.9	1492.3	1495.8
5°	1502.2	1499.1	1500.5	1503.2	1510.0	1516.8	1510.0	1503.2	1500.5	1499.1	1502.2
7.5°	1519.3	1519.3	1523.3	1528.5	1537.4	1546.4	1537.4	1528.5	1523.3	1519.3	1519.3
10°	1527.3	1526.3	1526.9	1529.8	1539.3	1548.8	1539.3	1529.8	1526.9	1526.3	1527.3
12.5°	1513.0	1507.1	1506.2	1506.8	1511.9	1517.1	1511.9	1506.8	1506.2	1507.1	1513.0
15°	1478.3	1467.4	1469.5	1471.8	1475.2	1478.6	1475.2	1471.8	1469.5	1467.4	1478.3
17.5°	1444.8	1437.1	1444.4	1451.6	1458.2	1464.9	1458.2	1451.6	1444.4	1437.1	1444.8
20°	1426.7	1422.3	1431.8	1441.8	1453.3	1464.9	1453.3	1441.8	1431.8	1422.3	1426.7
22.5°	1410.5	1409.6	1422.9	1436.8	1452.7	1468.5	1452.7	1436.8	1422.9	1409.6	1410.5
25°	1384.7	1392.1	1414.5	1435.7	1453.3	1471.0	1453.3	1435.7	1414.5	1392.1	1384.7
27.5°	1356.0	1375.0	1405.3	1431.0	1443.4	1455.7	1443.4	1431.0	1405.3	1375.0	1356.0
30°	1338.7	1362.1	1388.6	1409.6	1414.4	1419.1	1414.4	1409.6	1388.6	1362.1	1338.7
32.5°	1318.7	1341.2	1355.2	1364.2	1358.1	1352.0	1358.1	1364.2	1355.2	1341.2	1318.7
35°	1282.8	1297.7	1286.9	1275.5	1262.6	1249.7	1262.6	1275.5	1286.9	1297.7	1282.8
37.5°	1217.6	1217.4	1185.6	1158.1	1143.3	1128.6	1143.3	1158.1	1185.6	1217.4	1217.6
40°	1164.6	1149.7	1102.2	1062.4	1045.4	1028.5	1045.4	1062.4	1102.2	1149.7	1164.6
42.5°	1095.8	1063.8	1003.3	952.8	932.0	911.3	932.0	952.8	1003.3	1063.8	1095.8
45°	970.0	917.8	852.0	796.9	773.8	750.7	773.8	796.9	852.0	917.8	970.0
47.5°	829.5	768.7	710.0	660.5	639.0	617.4	639.0	660.5	710.0	768.7	829.5
50°	740.1	679.0	624.1	577.0	553.2	529.5	553.2	577.0	624.1	679.0	740.1
52.5°	660.3	600.9	546.0	499.4	477.8	456.2	477.8	499.4	546.0	600.9	660.3
55°	547.0	492.7	440.5	397.6	382.7	367.7	382.7	397.6	440.5	492.7	547.0
57.5°	450.0	401.7	357.4	321.4	310.4	299.4	310.4	321.4	357.4	401.7	450.0
60°	387.8	344.3	309.8	281.6	272.8	264.0	272.8	281.6	309.8	344.3	387.8
62.5°	336.6	297.8	270.3	248.0	241.3	234.7	241.3	248.0	270.3	297.8	336.6
65°	274.7	242.8	221.8	204.8	200.1	195.3	200.1	204.8	221.8	242.8	274.7
67.5°	225.9	200.2	183.6	170.1	165.6	161.1	165.6	170.1	183.6	200.2	225.9
70°	196.8	174.1	159.2	147.2	143.8	140.4	143.8	147.2	159.2	174.1	196.8
72.5°	169.3	149.8	137.6	127.9	125.6	123.3	125.6	127.9	137.6	149.8	169.3
75°	129.9	115.0	106.8	100.4	99.0	97.7	99.0	100.4	106.8	115.0	129.9
77.5°	92.6	82.3	79.6	77.5	77.5	77.5	77.5	79.6	82.3	92.6	
80°	70.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	70.9
82.5°	53.2	49.4	49.4	49.3	48.8	48.2	48.8	49.3	49.4	49.4	53.2
85°	29.0	27.0	22.9	19.3	17.3	15.3	17.3	19.3	22.9	27.0	29.0
87.5°	8.2	7.8	8.8	9.4	9.9	9.6	9.9	9.4	8.8	7.8	8.2
90°	16.0	20.9	25.7	28.5	31.3	29.9	31.3	28.5	25.7	20.9	16.0
92.5°	32.1	40.3	46.3	51.3	53.6	53.3	53.6	51.3	46.3	40.3	32.1
95°	64.7	74.4	84.2	91.1	95.3	93.9	95.3	91.1	84.2	74.4	64.7
97.5°	99.7	112.8	123.7	130.2	134.4	137.2	134.4	130.2	123.7	112.8	99.7
100°	123.1	135.6	148.1	155.8	162.7	165.5	162.7	155.8	148.1	135.6	123.1
102.5°	142.0	158.4	172.1	180.3	186.1	188.9	186.1	180.3	172.1	158.4	142.0
105°	173.2	190.6	205.2	215.6	221.9	224.0	221.9	215.6	205.2	190.6	173.2
107.5°	204.3	222.3	235.8	247.3	255.0	259.4	255.0	247.3	235.8	222.3	204.3
110°	228.8	243.4	258.0	268.5	276.1	278.9	276.1	268.5	258.0	243.4	228.8



TEST NUMBER: P1428214

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	249.4	265.7	280.3	290.7	299.5	303.4	299.5	290.7	280.3	265.7	249.4
115°	278.2	299.8	313.0	322.7	329.0	332.5	329.0	322.7	313.0	299.8	278.2
117.5°	302.1	324.7	339.1	346.6	349.6	352.1	349.6	346.6	339.1	324.7	302.1
120°	317.2	338.0	354.7	364.4	367.9	369.3	367.9	364.4	354.7	338.0	317.2
122.5°	331.1	350.8	366.9	378.9	384.6	386.0	384.6	378.9	366.9	350.8	331.1
125°	350.5	369.3	386.0	397.8	404.1	407.6	404.1	397.8	386.0	369.3	350.5
127.5°	367.5	387.8	403.1	413.8	419.9	422.7	419.9	413.8	403.1	387.8	367.5
130°	377.0	397.8	413.1	425.0	430.5	433.3	430.5	425.0	413.1	397.8	377.0
132.5°	384.2	406.2	422.0	432.7	438.9	441.6	438.9	432.7	422.0	406.2	384.2
135°	393.0	415.9	432.6	443.0	448.6	451.4	448.6	443.0	432.6	415.9	393.0
137.5°	400.6	421.5	438.9	449.9	454.9	456.7	454.9	449.9	438.9	421.5	400.6
140°	406.2	424.3	441.6	452.1	457.6	458.3	457.6	452.1	441.6	424.3	406.2
142.5°	413.4	427.6	442.8	453.2	458.8	460.0	458.8	453.2	442.8	427.6	413.4
145°	426.3	434.7	445.1	454.9	459.7	461.1	459.7	454.9	445.1	434.7	426.3
147.5°	442.6	445.3	450.7	457.1	461.8	462.8	461.8	457.1	445.3	442.6	442.6
150°	454.9	454.2	456.3	460.4	464.6	463.9	464.6	460.4	456.3	454.2	454.9
152.5°	468.8	464.7	464.6	466.5	468.5	468.4	468.5	466.5	464.6	464.7	468.8
155°	492.4	484.8	480.6	479.2	479.2	478.5	479.2	479.2	480.6	484.8	492.4
157.5°	518.4	507.7	501.5	498.1	497.1	495.6	497.1	498.1	501.5	507.7	518.4
160°	536.2	524.4	518.2	512.6	510.5	508.4	510.5	512.6	518.2	524.4	536.2
162.5°	552.9	541.7	534.8	529.8	527.8	524.6	527.8	529.8	534.8	541.7	552.9
165°	580.1	568.2	560.6	556.4	553.6	550.8	553.6	556.4	560.6	568.2	580.1
167.5°	607.2	594.2	589.2	584.5	581.9	576.9	581.9	584.5	589.2	594.2	607.2
170°	623.9	612.0	609.3	605.1	600.2	594.7	600.2	605.1	609.3	612.0	623.9
172.5°	638.3	630.4	627.6	623.5	621.9	617.5	621.9	623.5	627.6	630.4	638.3
175°	659.3	653.1	653.1	652.4	650.3	646.1	650.3	652.4	653.1	653.1	659.3
177.5°	676.9	673.5	675.8	675.8	675.2	671.3	675.2	675.8	675.8	673.5	676.9
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



TEST NUMBER: P1428214

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1496.9	1496.9	1496.9	1496.9
2.5°	1503.4	1507.1	1499.0	1490.8
5°	1509.6	1512.3	1500.8	1489.3
7.5°	1523.1	1521.8	1505.4	1489.0
10°	1530.0	1527.1	1507.4	1487.8
12.5°	1523.9	1526.3	1503.4	1480.4
15°	1502.0	1513.0	1485.9	1458.8
17.5°	1467.4	1477.3	1449.0	1420.6
20°	1445.0	1451.8	1424.0	1396.2
22.5°	1425.5	1429.8	1402.0	1374.2
25°	1392.1	1391.6	1367.2	1342.8
27.5°	1348.1	1338.6	1324.2	1309.8
30°	1318.4	1300.8	1291.3	1281.8
32.5°	1287.5	1262.6	1256.9	1251.2
35°	1242.1	1210.4	1205.6	1200.9
37.5°	1186.4	1160.6	1150.8	1141.1
40°	1147.0	1129.7	1113.4	1097.1
42.5°	1099.4	1095.5	1069.5	1043.4
45°	1008.6	1028.8	993.5	958.3
47.5°	892.3	930.3	894.1	857.9
50°	807.2	850.3	821.1	791.9
52.5°	724.2	766.9	745.8	724.8
55°	603.2	642.7	631.9	621.0
57.5°	502.2	539.7	532.7	525.8
60°	440.0	477.9	473.2	468.5
62.5°	386.7	423.3	419.6	416.0
65°	317.4	348.6	345.2	341.8
67.5°	260.7	286.4	284.7	282.9
70°	227.4	250.1	249.4	248.7
72.5°	196.0	216.3	217.3	218.2
75°	151.6	168.4	170.4	172.4
77.5°	110.5	124.4	126.6	128.8
80°	84.4	95.3	98.0	100.7
82.5°	60.8	67.5	71.3	75.1
85°	29.0	29.8	33.2	36.6
87.5°	10.2	11.3	10.7	10.2
90°	12.5	7.7	4.9	2.1
92.5°	27.0	18.8	13.2	7.7
95°	54.2	43.1	30.6	21.6
97.5°	86.4	68.4	56.1	41.2
100°	103.6	86.2	74.4	58.4
102.5°	122.5	107.9	91.7	75.7
105°	156.5	138.4	119.6	101.5
107.5°	187.9	168.0	145.5	129.2
110°	208.0	186.4	162.7	148.1



TEST NUMBER: P1428214

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	227.4	205.3	181.1	166.5
115°	253.9	229.5	207.3	194.7
117.5°	279.3	254.3	230.8	220.9
120°	294.9	269.9	246.9	239.3
122.5°	307.7	283.2	261.9	258.7
125°	326.9	301.9	283.8	287.9
127.5°	342.5	319.5	308.1	317.4
130°	351.9	331.8	324.8	338.0
132.5°	360.3	344.6	341.5	359.7
135°	372.8	363.8	366.5	391.6
137.5°	387.7	384.2	393.5	425.1
140°	397.1	399.2	412.4	447.9
142.5°	409.9	414.8	431.9	469.6
145°	429.8	440.3	462.5	500.1
147.5°	452.4	465.9	493.4	531.9
150°	467.4	484.8	514.0	550.8
152.5°	484.6	502.6	531.8	569.2
155°	511.2	531.4	562.0	594.0
157.5°	538.3	558.9	588.1	616.1
160°	555.0	577.3	603.7	629.4
162.5°	573.9	594.5	617.6	640.6
165°	601.6	618.3	637.1	656.6
167.5°	624.8	638.8	653.5	668.7
170°	639.9	651.0	663.5	675.3
172.5°	652.7	661.6	670.7	680.9
175°	669.8	674.6	680.2	686.5
177.5°	683.0	684.7	686.3	689.1
180°	688.6	688.6	688.6	688.6



TEST NUMBER: P1428214
 CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L940-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	18.97	19.92	19.81	20.77	21.83	15.34	16.29	16.18	17.14	18.20
	3H	20.19	21.04	21.04	21.89	22.98	16.51	17.36	17.36	18.22	19.30
	4H	20.68	21.48	21.54	22.34	23.44	16.98	17.78	17.85	18.64	19.74
	6H	20.98	21.71	21.86	22.59	23.70	17.33	18.06	18.20	18.93	20.04
	8H	21.09	21.78	21.97	22.67	23.78	17.47	18.16	18.35	19.06	20.16
	12H	21.13	21.79	22.02	22.68	23.81	17.50	18.17	18.39	19.05	20.18
4H	2H	19.09	19.89	19.96	20.75	21.85	16.07	16.86	16.94	17.73	18.83
	3H	20.56	21.22	21.44	22.12	23.23	17.43	18.09	18.31	18.99	20.10
	4H	21.19	21.79	22.08	22.69	23.82	17.98	18.58	18.87	19.47	20.61
	6H	21.63	22.14	22.53	23.06	24.20	18.42	18.93	19.32	19.85	20.99
	8H	21.79	22.27	22.69	23.18	24.33	18.60	19.08	19.51	20.00	21.15
	12H	21.86	22.29	22.78	23.22	24.38	18.65	19.09	19.58	20.02	21.18
8H	4H	21.22	21.70	22.13	22.62	23.77	18.31	18.79	19.22	19.71	20.86
	6H	21.76	22.15	22.69	23.11	24.26	18.86	19.25	19.79	20.21	21.36
	8H	21.99	22.34	22.94	23.29	24.46	19.12	19.47	20.06	20.42	21.59
	12H	22.11	22.42	23.06	23.36	24.58	19.21	19.53	20.16	20.47	21.69
12H	4H	21.18	21.62	22.11	22.55	23.71	18.34	18.77	19.26	19.70	20.86
	6H	21.75	22.10	22.69	23.05	24.22	18.93	19.28	19.87	20.23	21.40
	8H	22.00	22.31	22.95	23.25	24.47	19.22	19.53	20.17	20.47	21.69