

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: P1428520

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428520
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBM-K-050U-075D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

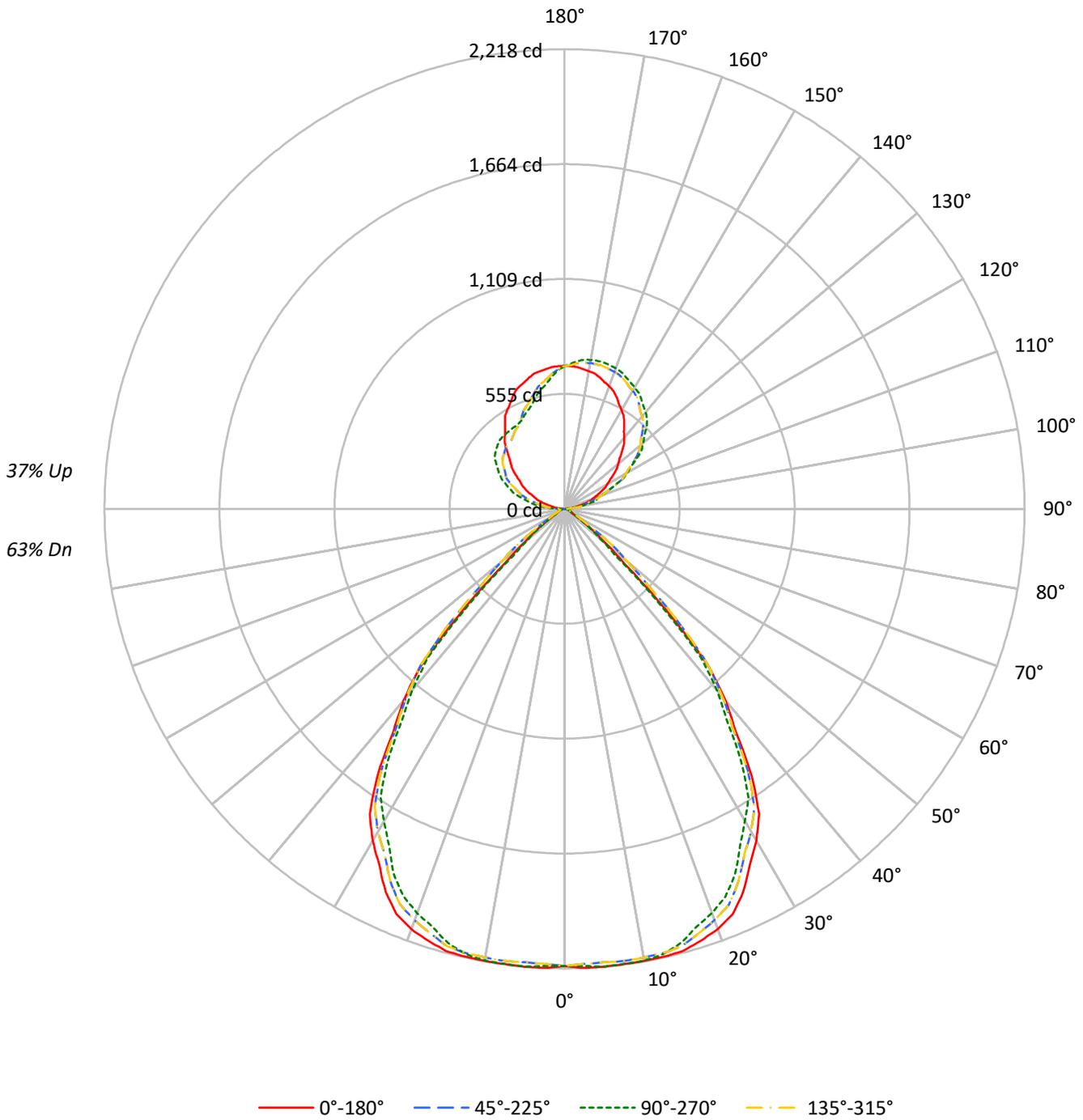
Lumens per Lamp: N/A
Luminaire Lumens: 5464.7 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 42.5
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	0
RCR																		
0	110	110	110	110	103	103	103	103	91	91	91	79	79	79	68	68	68	63
1	103	99	96	93	97	94	91	89	83	81	79	73	72	70	64	63	62	58
2	96	90	85	80	90	85	80	77	76	72	69	67	65	63	59	57	56	52
3	89	81	75	70	84	77	71	67	69	65	61	62	58	56	55	52	51	47
4	83	74	67	62	78	70	64	59	63	58	55	57	53	50	51	48	46	43
5	77	67	60	55	73	64	57	53	58	53	49	52	48	45	47	44	42	39
6	72	61	54	49	68	58	52	47	53	48	44	48	44	41	43	40	38	35
7	67	56	49	44	63	54	47	43	49	44	40	45	40	37	40	37	35	32
8	63	52	45	40	59	49	43	39	45	40	36	41	37	34	38	34	32	30
9	59	48	41	36	56	46	39	35	42	37	33	38	34	31	35	32	29	27
10	55	44	38	33	52	42	36	32	39	34	30	36	32	29	33	29	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	35625	35625	35625	35625
5°	35949	35933	35949	35933
10°	36314	36296	36314	36296
15°	36917	36263	36917	36263
20°	37094	35676	37094	35676
25°	36331	34673	36331	34673
30°	34471	32421	34471	32421
35°	31002	29250	31002	29250
40°	25416	24078	25416	24078
45°	15892	14926	15892	14926
50°	6217	5687	6217	5687
55°	3068	3037	3068	3037
60°	1434	1298	1434	1298
65°	1291	1211	1291	1211
70°	1246	1199	1246	1199
75°	1254	1123	1254	1123
80°	1181	1079	1181	1079
85°	1167	982	1167	982

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 18091 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.0	3.9
10°-20°	616.9	11.3
20°-30°	912.1	16.7
30°-40°	943.7	17.3
40°-50°	567.7	10.4
50°-60°	135.7	2.5
60°-70°	37.1	0.7
70°-80°	20.8	0.4
80°-90°	9.4	0.2
90°-100°	54.8	1.0
100°-110°	159.8	2.9
110°-120°	260.8	4.8
120°-130°	330.9	6.1
130°-140°	354.1	6.5
140°-150°	330.7	6.1
150°-160°	272.1	5.0
160°-170°	182.5	3.3
170°-180°	64.8	1.2
0°-30°	1739.9	31.8
0°-40°	2683.7	49.1
0°-60°	3387.0	62.0
0°-90°	3454.3	63.2
90°-120°	475.4	8.7
90°-150°	1491.1	27.3
90°-180°	2010.0	36.8
0°-180°	5464.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2206	2206	2206	2206	2206	
5°	2218	2217	2218	2217	2218	212
15°	2209	2170	2209	2170	2209	622
25°	2039	1946	2039	1946	2039	932
35°	1573	1484	1573	1484	1573	966
45°	696	654	696	654	696	538
55°	109	108	109	108	109	109
65°	34	32	34	32	34	34
75°	20	18	20	18	20	21
85°	6	5	6	5	6	6
90°	2	15	2	30	2	2
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°	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5
2.5°	2217.5	2214.9	2212.2	2205.7	2197.8	2197.9	2206.2	2212.0	2210.1	2208.2	2210.1
5°	2218.1	2214.8	2211.6	2204.0	2195.1	2197.2	2210.4	2219.9	2218.5	2217.1	2218.5
7.5°	2215.8	2214.4	2213.0	2207.5	2200.6	2202.2	2212.1	2219.1	2216.9	2214.8	2216.9
10°	2215.0	2215.4	2215.9	2208.6	2198.7	2199.0	2209.3	2216.7	2215.3	2213.9	2215.3
12.5°	2214.1	2218.0	2221.8	2212.0	2197.6	2194.5	2202.6	2207.8	2204.5	2201.2	2204.5
15°	2208.6	2216.1	2223.7	2210.4	2190.2	2180.1	2180.1	2178.9	2174.2	2169.5	2174.2
17.5°	2185.1	2194.1	2203.0	2185.0	2158.0	2140.9	2133.7	2126.8	2121.1	2115.3	2121.1
20°	2158.9	2167.8	2176.8	2155.4	2123.9	2102.3	2090.5	2081.1	2078.7	2076.4	2078.7
22.5°	2117.4	2127.1	2136.8	2113.9	2080.2	2056.8	2044.0	2033.3	2029.5	2025.6	2029.5
25°	2039.4	2046.9	2054.4	2030.6	1996.2	1974.4	1965.0	1956.6	1951.5	1946.3	1951.5
27.5°	1935.3	1939.4	1943.6	1920.5	1888.3	1866.9	1856.2	1846.3	1839.2	1832.1	1839.2
30°	1849.0	1850.9	1852.7	1834.2	1808.8	1789.0	1774.9	1761.5	1750.3	1739.0	1750.3
32.5°	1746.6	1748.5	1750.3	1734.0	1711.7	1693.8	1680.4	1668.2	1659.1	1650.1	1659.1
35°	1572.9	1572.0	1571.0	1560.6	1546.9	1532.4	1516.8	1502.9	1493.5	1484.0	1493.5
37.5°	1355.6	1357.0	1358.3	1350.5	1339.7	1328.2	1315.9	1304.4	1294.9	1285.4	1294.9
40°	1205.9	1206.8	1207.7	1201.3	1192.3	1178.9	1161.1	1147.1	1144.7	1142.4	1144.7
42.5°	1023.1	1037.2	1051.3	1045.6	1033.3	1020.2	1006.5	993.5	982.5	971.5	982.5
45°	696.0	738.8	781.6	792.3	792.3	784.0	767.6	744.0	698.8	653.7	698.8
47.5°	393.1	441.8	490.5	522.5	548.9	537.7	488.8	438.4	383.6	328.8	383.6
50°	247.5	280.4	313.3	354.4	398.1	386.1	318.4	263.0	244.7	226.4	244.7
52.5°	175.6	192.3	209.1	247.7	293.7	288.1	230.9	185.6	176.0	166.3	176.0
55°	109.0	115.1	121.2	140.0	163.0	161.6	135.7	115.4	111.7	107.9	111.7
57.5°	64.7	71.0	77.3	85.7	94.7	94.7	85.7	77.4	71.5	65.6	71.5
60°	44.4	49.6	54.8	61.7	69.2	68.3	58.9	50.5	45.4	40.2	45.4
62.5°	38.5	40.7	42.8	48.2	54.6	54.0	46.5	40.4	38.6	36.8	38.6
65°	33.8	34.3	34.8	35.3	35.7	35.5	34.6	33.6	32.7	31.7	32.7
67.5°	29.8	30.3	30.8	30.6	30.2	30.0	29.9	29.6	28.8	27.9	28.8
70°	26.4	26.9	27.4	27.5	27.5	27.3	26.8	26.3	25.9	25.4	25.9
72.5°	23.9	24.4	24.8	24.7	24.3	24.1	24.0	23.7	22.8	22.0	22.8
75°	20.1	20.1	20.1	20.1	20.1	19.9	19.4	18.9	18.5	18.0	18.5
77.5°	15.2	15.7	16.2	15.9	15.5	15.2	15.2	15.1	14.6	14.2	14.6
80°	12.7	13.2	13.6	13.4	12.9	12.7	12.7	12.6	12.1	11.6	12.1
82.5°	10.2	10.2	10.3	10.3	10.2	10.2	10.2	10.0	9.6	9.1	9.6
85°	6.3	6.3	6.3	6.0	5.5	5.3	5.3	5.3	5.3	5.3	5.3
87.5°	2.1	3.0	4.1	4.5	4.5	4.5	4.5	4.6	4.8	4.8	4.8
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



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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°	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5
2.5°	2212.0	2206.2	2197.9	2197.8	2205.7	2212.2	2214.9	2217.5	2214.9	2212.2	2205.7
5°	2219.9	2210.4	2197.2	2195.1	2204.0	2211.6	2214.8	2218.1	2214.8	2211.6	2204.0
7.5°	2219.1	2212.1	2202.2	2200.6	2207.5	2213.0	2214.4	2215.8	2214.4	2213.0	2207.5
10°	2216.7	2209.3	2199.0	2198.7	2208.6	2215.9	2215.4	2215.0	2215.4	2215.9	2208.6
12.5°	2207.8	2202.6	2194.5	2197.6	2212.0	2221.8	2218.0	2214.1	2218.0	2221.8	2212.0
15°	2178.9	2180.1	2180.1	2190.2	2210.4	2223.7	2216.1	2208.6	2216.1	2223.7	2210.4
17.5°	2126.8	2133.7	2140.9	2158.0	2185.0	2203.0	2194.1	2185.1	2194.1	2203.0	2185.0
20°	2081.1	2090.5	2102.3	2123.9	2155.4	2176.8	2167.8	2158.9	2167.8	2176.8	2155.4
22.5°	2033.3	2044.0	2056.8	2080.2	2113.9	2136.8	2127.1	2117.4	2127.1	2136.8	2113.9
25°	1956.6	1965.0	1974.4	1996.2	2030.6	2054.4	2046.9	2039.4	2046.9	2054.4	2030.6
27.5°	1846.3	1856.2	1866.9	1888.3	1920.5	1943.6	1939.4	1935.3	1939.4	1943.6	1920.5
30°	1761.5	1774.9	1789.0	1808.8	1834.2	1852.7	1850.9	1849.0	1850.9	1852.7	1834.2
32.5°	1668.2	1680.4	1693.8	1711.7	1734.0	1750.3	1748.5	1746.6	1748.5	1750.3	1734.0
35°	1502.9	1516.8	1532.4	1546.9	1560.6	1571.0	1572.0	1572.9	1572.0	1571.0	1560.6
37.5°	1304.4	1315.9	1328.2	1339.7	1350.5	1358.3	1357.0	1355.6	1357.0	1358.3	1350.5
40°	1147.1	1161.1	1178.9	1192.3	1201.3	1207.7	1206.8	1205.9	1206.8	1207.7	1201.3
42.5°	993.5	1006.5	1020.2	1033.3	1045.6	1051.3	1037.2	1023.1	1037.2	1051.3	1045.6
45°	744.0	767.6	784.0	792.3	792.3	781.6	738.8	696.0	738.8	781.6	792.3
47.5°	438.4	488.8	537.7	548.9	522.5	490.5	441.8	393.1	441.8	490.5	522.5
50°	263.0	318.4	386.1	398.1	354.4	313.3	280.4	247.5	280.4	313.3	354.4
52.5°	185.6	230.9	288.1	293.7	247.7	209.1	192.3	175.6	192.3	209.1	247.7
55°	115.4	135.7	161.6	163.0	140.0	121.2	115.1	109.0	115.1	121.2	140.0
57.5°	77.4	85.7	94.7	94.7	85.7	77.3	71.0	64.7	71.0	77.3	85.7
60°	50.5	58.9	68.3	69.2	61.7	54.8	49.6	44.4	49.6	54.8	61.7
62.5°	40.4	46.5	54.0	54.6	48.2	42.8	40.7	38.5	40.7	42.8	48.2
65°	33.6	34.6	35.5	35.7	35.3	34.8	34.3	33.8	34.3	34.8	35.3
67.5°	29.6	29.9	30.0	30.2	30.6	30.8	30.3	29.8	30.3	30.8	30.6
70°	26.3	26.8	27.3	27.5	27.5	27.4	26.9	26.4	26.9	27.4	27.5
72.5°	23.7	24.0	24.1	24.3	24.7	24.8	24.4	23.9	24.4	24.8	24.7
75°	18.9	19.4	19.9	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
77.5°	15.1	15.2	15.2	15.5	15.9	16.2	15.7	15.2	15.7	16.2	15.9
80°	12.6	12.7	12.7	12.9	13.4	13.6	13.2	12.7	13.2	13.6	13.4
82.5°	10.0	10.2	10.2	10.2	10.3	10.3	10.2	10.2	10.2	10.3	10.3
85°	5.3	5.3	5.3	5.5	6.0	6.3	6.3	6.3	6.3	6.3	6.0
87.5°	4.6	4.5	4.5	4.5	4.5	4.1	3.0	2.1	3.0	4.0	4.8
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: P1428520

CATALOG NUMBER: SQ2W-WBM-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: P1428520

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5
2.5°	2197.8	2197.9	2206.2	2212.0	2210.1	2208.2	2210.1	2212.0	2206.2	2197.9	2197.8
5°	2195.1	2197.2	2210.4	2219.9	2218.5	2217.1	2218.5	2219.9	2210.4	2197.2	2195.1
7.5°	2200.6	2202.2	2212.1	2219.1	2216.9	2214.8	2216.9	2219.1	2212.1	2202.2	2200.6
10°	2198.7	2199.0	2209.3	2216.7	2215.3	2213.9	2215.3	2216.7	2209.3	2199.0	2198.7
12.5°	2197.6	2194.5	2202.6	2207.8	2204.5	2201.2	2204.5	2207.8	2202.6	2194.5	2197.6
15°	2190.2	2180.1	2180.1	2178.9	2174.2	2169.5	2174.2	2178.9	2180.1	2180.1	2190.2
17.5°	2158.0	2140.9	2133.7	2126.8	2121.1	2115.3	2121.1	2126.8	2133.7	2140.9	2158.0
20°	2123.9	2102.3	2090.5	2081.1	2078.7	2076.4	2078.7	2081.1	2090.5	2102.3	2123.9
22.5°	2080.2	2056.8	2044.0	2033.3	2029.5	2025.6	2029.5	2033.3	2044.0	2056.8	2080.2
25°	1996.2	1974.4	1965.0	1956.6	1951.5	1946.3	1951.5	1956.6	1965.0	1974.4	1996.2
27.5°	1888.3	1866.9	1856.2	1846.3	1839.2	1832.1	1839.2	1846.3	1856.2	1866.9	1888.3
30°	1808.8	1789.0	1774.9	1761.5	1750.3	1739.0	1750.3	1761.5	1774.9	1789.0	1808.8
32.5°	1711.7	1693.8	1680.4	1668.2	1659.1	1650.1	1659.1	1668.2	1680.4	1693.8	1711.7
35°	1546.9	1532.4	1516.8	1502.9	1493.5	1484.0	1493.5	1502.9	1516.8	1532.4	1546.9
37.5°	1339.7	1328.2	1315.9	1304.4	1294.9	1285.4	1294.9	1304.4	1315.9	1328.2	1339.7
40°	1192.3	1178.9	1161.1	1147.1	1144.7	1142.4	1144.7	1147.1	1161.1	1178.9	1192.3
42.5°	1033.3	1020.2	1006.5	993.5	982.5	971.5	982.5	993.5	1006.5	1020.2	1033.3
45°	792.3	784.0	767.6	744.0	698.8	653.7	698.8	744.0	767.6	784.0	792.3
47.5°	548.9	537.7	488.8	438.4	383.6	328.8	383.6	438.4	488.8	537.7	548.9
50°	398.1	386.1	318.4	263.0	244.7	226.4	244.7	263.0	318.4	386.1	398.1
52.5°	293.7	288.1	230.9	185.6	176.0	166.3	176.0	185.6	230.9	288.1	293.7
55°	163.0	161.6	135.7	115.4	111.7	107.9	111.7	115.4	135.7	161.6	163.0
57.5°	94.7	94.7	85.7	77.4	71.5	65.6	71.5	77.4	85.7	94.7	94.7
60°	69.2	68.3	58.9	50.5	45.4	40.2	45.4	50.5	58.9	68.3	69.2
62.5°	54.6	54.0	46.5	40.4	38.6	36.8	38.6	40.4	46.5	54.0	54.6
65°	35.7	35.5	34.6	33.6	32.7	31.7	32.7	33.6	34.6	35.5	35.7
67.5°	30.2	30.0	29.9	29.6	28.8	27.9	28.8	29.6	29.9	30.0	30.2
70°	27.5	27.3	26.8	26.3	25.9	25.4	25.9	26.3	26.8	27.3	27.5
72.5°	24.3	24.1	24.0	23.7	22.8	22.0	22.8	23.7	24.0	24.1	24.3
75°	20.1	19.9	19.4	18.9	18.5	18.0	18.5	18.9	19.4	19.9	20.1
77.5°	15.5	15.2	15.2	15.1	14.6	14.2	14.6	15.1	15.2	15.2	15.5
80°	12.9	12.7	12.7	12.6	12.1	11.6	12.1	12.6	12.7	12.7	12.9
82.5°	10.2	10.2	10.2	10.0	9.6	9.1	9.6	10.0	10.2	10.2	10.2
85°	5.5	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.5
87.5°	5.1	5.9	6.8	7.4	8.0	7.7	8.0	7.4	6.8	5.9	5.1
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: P1428520

CATALOG NUMBER: SQ2W-WBM-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: P1428520

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2206.5	2206.5	2206.5	2206.5
2.5°	2205.7	2212.2	2214.9	2217.5
5°	2204.0	2211.6	2214.8	2218.1
7.5°	2207.5	2213.0	2214.4	2215.8
10°	2208.6	2215.9	2215.4	2215.0
12.5°	2212.0	2221.8	2218.0	2214.1
15°	2210.4	2223.7	2216.1	2208.6
17.5°	2185.0	2203.0	2194.1	2185.1
20°	2155.4	2176.8	2167.8	2158.9
22.5°	2113.9	2136.8	2127.1	2117.4
25°	2030.6	2054.4	2046.9	2039.4
27.5°	1920.5	1943.6	1939.4	1935.3
30°	1834.2	1852.7	1850.9	1849.0
32.5°	1734.0	1750.3	1748.5	1746.6
35°	1560.6	1571.0	1572.0	1572.9
37.5°	1350.5	1358.3	1357.0	1355.6
40°	1201.3	1207.7	1206.8	1205.9
42.5°	1045.6	1051.3	1037.2	1023.1
45°	792.3	781.6	738.8	696.0
47.5°	522.5	490.5	441.8	393.1
50°	354.4	313.3	280.4	247.5
52.5°	247.7	209.1	192.3	175.6
55°	140.0	121.2	115.1	109.0
57.5°	85.7	77.3	71.0	64.7
60°	61.7	54.8	49.6	44.4
62.5°	48.2	42.8	40.7	38.5
65°	35.3	34.8	34.3	33.8
67.5°	30.6	30.8	30.3	29.8
70°	27.5	27.4	26.9	26.4
72.5°	24.7	24.8	24.4	23.9
75°	20.1	20.1	20.1	20.1
77.5°	15.9	16.2	15.7	15.2
80°	13.4	13.6	13.2	12.7
82.5°	10.3	10.3	10.2	10.2
85°	6.0	6.3	6.3	6.3
87.5°	4.8	4.0	3.0	2.1
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: P1428520

CATALOG NUMBER: SQ2W-WBM-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: P1428520
 CATALOG NUMBER: SQ2W-WBM-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	5.54	6.34	6.41	7.20	8.28	5.52	6.32	6.40	7.19	8.27
	3H	6.23	6.94	7.12	7.81	8.92	6.15	6.86	7.04	7.73	8.84
	4H	6.60	7.26	7.50	8.14	9.26	6.46	7.12	7.36	8.00	9.13
	6H	6.87	7.48	7.78	8.37	9.50	6.70	7.30	7.60	8.19	9.32
	8H	6.99	7.57	7.91	8.47	9.60	6.79	7.37	7.71	8.27	9.40
	12H	7.07	7.62	7.99	8.51	9.67	6.85	7.39	7.77	8.29	9.44
4H	2H	5.64	6.30	6.54	7.18	8.30	5.63	6.29	6.53	7.17	8.29
	3H	6.59	7.13	7.50	8.04	9.18	6.50	7.05	7.41	7.96	9.09
	4H	7.09	7.58	8.01	8.49	9.66	6.95	7.44	7.87	8.35	9.51
	6H	7.52	7.94	8.46	8.87	10.04	7.32	7.74	8.26	8.68	9.84
	8H	7.71	8.10	8.65	9.03	10.20	7.49	7.88	8.42	8.81	9.98
	12H	7.84	8.19	8.79	9.13	10.31	7.58	7.93	8.53	8.88	10.05
8H	4H	7.21	7.60	8.15	8.53	9.70	7.08	7.47	8.01	8.40	9.57
	6H	7.79	8.11	8.75	9.08	10.25	7.60	7.92	8.55	8.89	10.06
	8H	8.07	8.36	9.04	9.32	10.51	7.86	8.14	8.83	9.11	10.30
	12H	8.29	8.54	9.26	9.49	10.73	8.03	8.28	9.00	9.23	10.48
12H	4H	7.19	7.54	8.14	8.49	9.66	7.06	7.41	8.01	8.36	9.54
	6H	7.82	8.10	8.79	9.07	10.26	7.64	7.92	8.61	8.88	10.07
	8H	8.15	8.40	9.11	9.35	10.59	7.94	8.19	8.91	9.14	10.39