

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427529

Luminaire Tested: SQ2W-BBM-K-075U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427529
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBM-K-075U-125D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

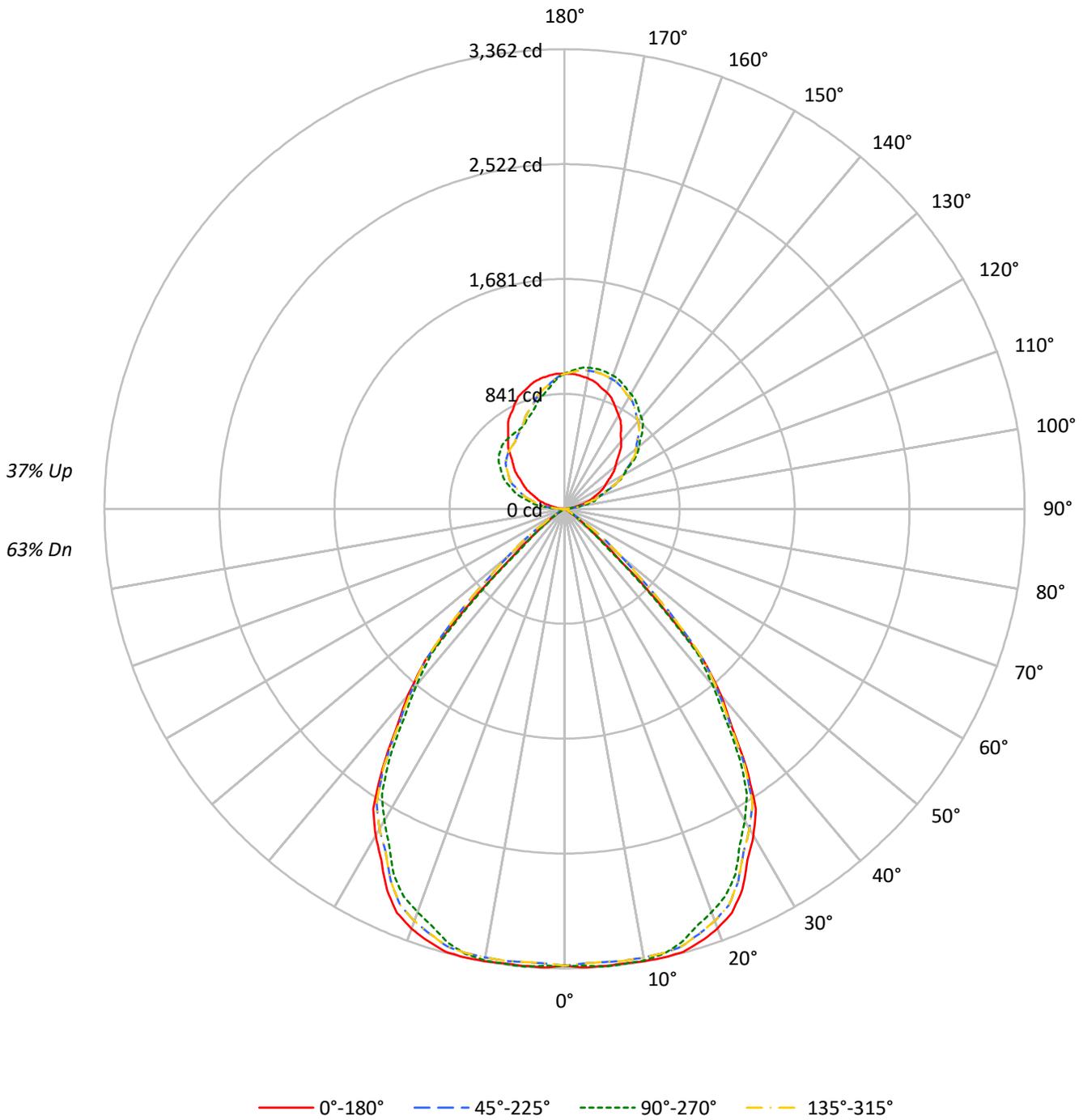
Lumens per Lamp: N/A
Luminaire Lumens: 7888.3 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 73.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	110	110	110	110	104	104	104	104	91	91	91	79	79	79	68	68	68	63				
1	103	100	97	94	97	94	91	89	83	81	80	73	72	71	64	63	63	58				
2	96	90	85	81	91	85	81	78	76	73	70	68	65	63	60	58	57	53				
3	90	82	76	71	84	78	72	68	70	66	62	62	59	57	56	54	52	48				
4	83	74	68	63	79	71	65	60	64	59	56	58	54	51	52	49	47	44				
5	78	68	61	56	73	65	59	54	59	54	50	53	49	46	48	45	43	40				
6	73	62	55	50	69	59	53	48	54	49	45	49	45	42	45	41	39	37				
7	68	57	50	45	64	55	48	44	50	45	41	46	41	38	41	38	36	34				
8	64	53	46	41	60	50	44	40	46	41	37	42	38	35	39	35	33	31				
9	60	49	42	37	56	47	40	36	43	38	34	39	35	32	36	33	30	28				
10	56	45	38	34	53	43	37	33	40	35	31	37	33	30	34	30	28	26				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	53970	53970	53970	53970
5°	54393	54474	54393	54474
10°	55078	54994	55078	54994
15°	56069	54953	56069	54953
20°	56141	53958	56141	53958
25°	54753	52608	54753	52608
30°	51470	49071	51470	49071
35°	45682	43967	45682	43967
40°	37466	35455	37466	35455
45°	22335	20961	22335	20961
50°	6973	6593	6973	6593
55°	2635	2635	2635	2635
60°	161	55	161	55
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 26151 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.6	4.1
10°-20°	936.2	11.9
20°-30°	1377.4	17.5
30°-40°	1407.8	17.8
40°-50°	811.0	10.3
50°-60°	139.6	1.8
60°-70°	5.0	0.1
70°-80°	0.0	0.0
80°-90°	5.3	0.1
90°-100°	78.7	1.0
100°-110°	229.5	2.9
110°-120°	374.6	4.7
120°-130°	475.3	6.0
130°-140°	508.6	6.4
140°-150°	474.9	6.0
150°-160°	390.8	5.0
160°-170°	262.1	3.3
170°-180°	93.1	1.2
0°-30°	2633.2	33.4
0°-40°	4041.0	51.2
0°-60°	4991.5	63.3
0°-90°	5001.8	63.4
90°-120°	682.8	8.7
90°-150°	2141.7	27.2
90°-180°	2888.0	36.6
0°-180°	7888.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3343	3343	3343	3343	3343	
5°	3356	3361	3356	3361	3356	320
15°	3354	3288	3354	3288	3354	945
25°	3074	2953	3074	2953	3074	1402
35°	2318	2231	2318	2231	2318	1432
45°	978	918	978	918	978	757
55°	94	94	94	94	94	99
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	3	22	3	43	3	2
95°	31	23	31	135	31	37
105°	146	234	146	322	146	155
115°	280	388	280	478	280	276
125°	414	614	414	585	414	370
135°	562	804	562	648	562	435
145°	718	927	718	662	718	449
155°	853	1007	853	687	853	392
165°	943	1050	943	791	943	265
175°	986	1028	986	928	986	94
180°	989	989	989	989	989	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7
2.5°	3357.5	3353.3	3349.1	3339.2	3327.3	3328.2	3341.8	3351.4	3348.4	3345.4	3348.4
5°	3356.1	3352.4	3348.7	3338.3	3325.6	3329.4	3349.4	3364.1	3362.6	3361.1	3362.6
7.5°	3354.1	3351.6	3349.1	3341.7	3332.8	3336.6	3353.1	3364.6	3360.8	3357.1	3360.8
10°	3359.5	3358.7	3358.0	3346.6	3331.8	3332.9	3350.0	3361.9	3358.2	3354.4	3358.2
12.5°	3362.1	3366.7	3371.4	3355.1	3331.9	3327.1	3340.6	3349.1	3342.4	3335.7	3342.4
15°	3354.4	3367.1	3379.7	3356.7	3321.7	3305.4	3307.6	3306.9	3297.2	3287.6	3297.2
17.5°	3317.0	3334.8	3352.7	3322.2	3275.7	3248.4	3240.2	3230.6	3217.0	3203.3	3217.0
20°	3267.5	3288.3	3309.1	3275.8	3224.6	3191.9	3177.7	3164.2	3152.3	3140.4	3152.3
22.5°	3197.9	3217.0	3236.0	3204.1	3155.2	3121.9	3104.2	3088.5	3079.0	3069.5	3079.0
25°	3073.5	3086.1	3098.8	3066.3	3018.7	2988.2	2974.9	2963.5	2958.3	2953.1	2958.3
27.5°	2897.3	2900.8	2904.4	2878.5	2842.9	2816.7	2800.1	2785.9	2779.2	2772.5	2779.2
30°	2760.8	2760.8	2760.8	2740.7	2714.0	2691.7	2673.9	2657.3	2644.7	2632.1	2644.7
32.5°	2601.6	2599.8	2598.0	2583.3	2564.3	2545.0	2525.4	2507.5	2494.9	2482.2	2494.9
35°	2317.7	2325.9	2334.0	2323.8	2307.5	2289.6	2270.3	2253.0	2241.9	2230.7	2241.9
37.5°	2010.3	2013.4	2016.6	2008.1	1995.8	1979.2	1958.4	1940.4	1931.1	1921.7	1931.1
40°	1777.6	1778.3	1779.0	1768.6	1754.5	1740.0	1725.2	1710.5	1696.4	1682.2	1696.4
42.5°	1506.0	1521.0	1536.0	1529.6	1516.1	1497.4	1473.7	1454.4	1448.6	1442.8	1448.6
45°	978.2	1044.4	1110.5	1134.9	1145.3	1137.1	1110.3	1071.1	994.6	918.0	994.6
47.5°	491.6	574.0	656.3	713.4	762.0	748.1	671.9	594.5	513.4	432.4	513.4
50°	277.6	326.6	375.7	452.1	537.5	523.4	409.7	317.5	290.0	262.5	290.0
52.5°	185.3	207.0	228.7	290.2	364.9	360.0	275.5	208.1	192.5	176.9	192.5
55°	93.6	99.6	105.5	132.7	166.8	166.1	130.4	102.6	98.1	93.6	98.1
57.5°	31.8	39.8	47.8	59.9	73.2	73.6	61.0	49.7	42.4	35.1	42.4
60°	5.0	12.4	19.9	29.5	39.9	38.8	26.2	15.0	8.4	1.7	8.4
62.5°	1.0	3.1	5.2	13.0	22.9	22.6	12.4	4.2	2.3	0.3	2.3
65°	0.0	0.0	0.0	0.6	1.3	1.3	0.6	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	1.4	2.4	3.2	3.8	4.0	4.0	4.2	4.4	4.4	4.4
90°	3.0	7.0	12.0	16.0	19.0	20.0	20.0	21.0	22.0	22.0	22.0
92.5°	11.0	17.4	17.6	17.6	21.4	23.2	24.8	25.0	26.0	26.0	26.0
95°	31.0	34.0	50.9	49.9	34.0	27.0	23.0	23.0	23.0	23.0	23.0
97.5°	59.1	63.5	66.3	88.9	93.9	90.7	73.9	62.1	55.5	52.5	55.5
100°	83.9	85.9	91.9	92.9	117.9	141.9	129.9	114.9	109.9	106.9	109.9
102.5°	108.7	109.9	119.1	123.3	129.1	142.7	184.2	179.6	176.2	175.6	176.2
105°	145.8	146.8	163.8	171.8	175.8	175.8	174.8	194.8	226.8	233.8	226.8
107.5°	185.6	190.2	210.2	231.6	236.2	237.4	232.2	229.2	228.0	228.8	228.0
110°	212.8	219.8	243.7	270.7	277.7	279.7	277.7	274.7	272.7	272.7	272.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	239.2	249.3	276.5	307.5	319.3	325.3	320.9	318.7	316.7	318.3	316.7
115°	279.7	294.7	330.7	362.6	386.6	389.6	388.6	388.6	387.6	387.6	387.6
117.5°	317.3	341.2	381.6	418.8	446.5	454.5	458.5	457.3	456.1	458.1	456.1
120°	343.6	371.6	417.6	459.5	486.5	498.5	502.5	500.5	502.5	500.5	502.5
122.5°	371.6	406.0	451.1	494.7	526.5	540.0	544.8	545.2	545.6	544.4	545.6
125°	413.6	455.5	508.5	553.4	586.4	602.4	606.4	607.4	609.4	614.4	609.4
127.5°	455.9	503.5	561.6	605.0	638.7	658.1	664.3	666.5	670.7	672.9	670.7
130°	485.5	539.4	598.4	639.3	672.3	693.3	704.3	707.3	712.3	711.3	712.3
132.5°	516.7	573.0	632.7	675.3	705.9	728.4	737.8	746.4	748.2	749.6	748.2
135°	562.4	623.4	683.3	725.3	754.2	776.2	788.2	796.2	801.2	804.2	801.2
137.5°	610.6	674.9	732.4	769.8	799.0	818.0	831.5	839.9	845.1	847.5	845.1
140°	643.3	705.3	761.2	800.2	826.1	845.1	857.1	867.1	873.1	873.1	873.1
142.5°	674.5	735.6	790.0	828.9	851.7	869.1	881.9	889.5	896.3	896.3	896.3
145°	718.3	779.2	829.1	868.1	887.1	903.1	917.1	923.0	927.0	927.0	927.0
147.5°	764.0	818.0	863.5	900.9	916.9	935.6	946.6	951.4	956.4	954.2	956.4
150°	791.2	841.1	885.1	920.1	936.0	954.0	965.0	969.0	974.0	971.0	974.0
152.5°	817.6	865.1	905.1	937.6	951.2	969.2	981.8	985.8	989.2	987.0	989.2
155°	853.1	895.1	932.0	962.0	974.0	991.0	1003.0	1008.0	1012.0	1007.0	1012.0
157.5°	884.9	921.0	953.2	980.8	993.6	1008.2	1019.3	1025.5	1029.5	1027.3	1029.5
160°	904.1	937.0	966.0	992.0	1004.0	1017.0	1028.9	1035.9	1039.9	1036.9	1039.9
162.5°	920.1	949.8	977.2	1000.8	1011.2	1022.5	1036.9	1043.1	1047.1	1043.3	1047.1
165°	943.0	967.0	991.0	1011.0	1019.9	1028.9	1043.9	1050.9	1053.9	1049.9	1053.9
167.5°	960.4	978.8	998.2	1015.4	1021.9	1030.7	1045.7	1051.5	1055.3	1050.3	1055.3
170°	970.0	986.0	1003.0	1017.0	1021.9	1029.9	1044.9	1049.9	1052.9	1047.9	1052.9
172.5°	978.0	990.0	1003.8	1016.2	1018.7	1025.1	1039.3	1044.3	1046.5	1042.3	1046.5
175°	986.0	993.0	1003.0	1011.0	1010.0	1014.0	1025.9	1029.9	1033.9	1027.9	1033.9
177.5°	989.8	993.0	996.2	1001.0	997.8	997.8	1006.6	1009.0	1009.8	1006.6	1009.8
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7
2.5°	3351.4	3341.8	3328.2	3327.3	3339.2	3349.1	3353.3	3357.5	3353.3	3349.1	3339.2
5°	3364.1	3349.4	3329.4	3325.6	3338.3	3348.7	3352.4	3356.1	3352.4	3348.7	3338.3
7.5°	3364.6	3353.1	3336.6	3332.8	3341.7	3349.1	3351.6	3354.1	3351.6	3349.1	3341.7
10°	3361.9	3350.0	3332.9	3331.8	3346.6	3358.0	3358.7	3359.5	3358.7	3358.0	3346.6
12.5°	3349.1	3340.6	3327.1	3331.9	3355.1	3371.4	3366.7	3362.1	3366.7	3371.4	3355.1
15°	3306.9	3307.6	3305.4	3321.7	3356.7	3379.7	3367.1	3354.4	3367.1	3379.7	3356.7
17.5°	3230.6	3240.2	3248.4	3275.7	3322.2	3352.7	3334.8	3317.0	3334.8	3352.7	3322.2
20°	3164.2	3177.7	3191.9	3224.6	3275.8	3309.1	3288.3	3267.5	3288.3	3309.1	3275.8
22.5°	3088.5	3104.2	3121.9	3155.2	3204.1	3236.0	3217.0	3197.9	3217.0	3236.0	3204.1
25°	2963.5	2974.9	2988.2	3018.7	3066.3	3098.8	3086.1	3073.5	3086.1	3098.8	3066.3
27.5°	2785.9	2800.1	2816.7	2842.9	2878.5	2904.4	2900.8	2897.3	2900.8	2904.4	2878.5
30°	2657.3	2673.9	2691.7	2714.0	2740.7	2760.8	2760.8	2760.8	2760.8	2760.8	2740.7
32.5°	2507.5	2525.4	2545.0	2564.3	2583.3	2598.0	2599.8	2601.6	2599.8	2598.0	2583.3
35°	2253.0	2270.3	2289.6	2307.5	2323.8	2334.0	2325.9	2317.7	2325.9	2334.0	2323.8
37.5°	1940.4	1958.4	1979.2	1995.8	2008.1	2016.6	2013.4	2010.3	2013.4	2016.6	2008.1
40°	1710.5	1725.2	1740.0	1754.5	1768.6	1779.0	1778.3	1777.6	1778.3	1779.0	1768.6
42.5°	1454.4	1473.7	1497.4	1516.1	1529.6	1536.0	1521.0	1506.0	1521.0	1536.0	1529.6
45°	1071.1	1110.3	1137.1	1145.3	1134.9	1110.5	1044.4	978.2	1044.4	1110.5	1134.9
47.5°	594.5	671.9	748.1	762.0	713.4	656.3	574.0	491.6	574.0	656.3	713.4
50°	317.5	409.7	523.4	537.5	452.1	375.7	326.6	277.6	326.6	375.7	452.1
52.5°	208.1	275.5	360.0	364.9	290.2	228.7	207.0	185.3	207.0	228.7	290.2
55°	102.6	130.4	166.1	166.8	132.7	105.5	99.6	93.6	99.6	105.5	132.7
57.5°	49.7	61.0	73.6	73.2	59.9	47.8	39.8	31.8	39.8	47.8	59.9
60°	15.0	26.2	38.8	39.9	29.5	19.9	12.4	5.0	12.4	19.9	29.5
62.5°	4.2	12.4	22.6	22.9	13.0	5.2	3.1	1.0	3.1	5.2	13.0
65°	0.0	0.6	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.2	4.0	4.0	3.8	3.2	2.4	1.4	0.6	1.4	2.2	3.6
90°	21.0	20.0	20.0	19.0	16.0	12.0	7.0	3.0	7.0	11.0	18.0
92.5°	25.0	24.8	23.2	21.4	17.6	17.6	17.4	11.0	19.0	27.0	38.8
95°	23.0	23.0	27.0	34.0	49.9	50.9	34.0	31.0	44.0	61.9	77.9
97.5°	62.1	73.9	90.7	93.9	88.9	66.3	63.5	59.1	80.5	98.3	124.1
100°	114.9	129.9	141.9	117.9	92.9	91.9	85.9	83.9	106.9	123.9	148.8
102.5°	179.6	184.2	142.7	129.1	123.3	119.1	109.9	108.7	131.7	155.0	176.0
105°	194.8	174.8	175.8	175.8	171.8	163.8	146.8	145.8	171.8	198.8	224.8
107.5°	229.2	232.2	237.4	236.2	231.6	210.2	190.2	185.6	209.0	241.4	269.9
110°	274.7	277.7	279.7	277.7	270.7	243.7	219.8	212.8	233.8	267.7	298.7



TEST NUMBER: P1427529

CATALOG NUMBER: SQ2W-BBM-K-075U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	318.7	320.9	325.3	319.3	307.5	276.5	249.3	239.2	260.1	294.9	326.7
115°	388.6	388.6	389.6	386.6	362.6	330.7	294.7	279.7	297.7	329.7	364.6
117.5°	457.3	458.5	454.5	446.5	418.8	381.6	341.2	317.3	331.5	365.2	401.2
120°	500.5	502.5	498.5	486.5	459.5	417.6	371.6	343.6	354.6	387.6	423.6
122.5°	545.2	544.8	540.0	526.5	494.7	451.1	406.0	371.6	376.2	406.8	441.9
125°	607.4	606.4	602.4	586.4	553.4	508.5	455.5	413.6	407.6	433.6	469.5
127.5°	666.5	664.3	658.1	638.7	605.0	561.6	503.5	455.9	442.5	458.9	491.9
130°	707.3	704.3	693.3	672.3	639.3	598.4	539.4	485.5	466.5	476.5	505.5
132.5°	746.4	737.8	728.4	705.9	675.3	632.7	573.0	516.7	490.5	494.9	517.5
135°	796.2	788.2	776.2	754.2	725.3	683.3	623.4	562.4	526.5	522.5	535.4
137.5°	839.9	831.5	818.0	799.0	769.8	732.4	674.9	610.6	565.2	551.8	556.8
140°	867.1	857.1	845.1	826.1	800.2	761.2	705.3	643.3	592.4	573.4	570.4
142.5°	889.5	881.9	869.1	851.7	828.9	790.0	735.6	674.5	620.4	595.8	588.8
145°	923.0	917.1	903.1	887.1	868.1	829.1	779.2	718.3	664.3	632.3	617.4
147.5°	951.4	946.6	935.6	916.9	900.9	863.5	818.0	764.0	708.7	669.1	649.7
150°	969.0	965.0	954.0	936.0	920.1	885.1	841.1	791.2	738.2	696.3	671.3
152.5°	985.8	981.8	969.2	951.2	937.6	905.1	865.1	817.6	763.8	721.9	696.1
155°	1008.0	1003.0	991.0	974.0	962.0	932.0	895.1	853.1	807.2	763.2	734.2
157.5°	1025.5	1019.3	1008.2	993.6	980.8	953.2	921.0	884.9	844.7	802.8	773.2
160°	1035.9	1028.9	1017.0	1004.0	992.0	966.0	937.0	904.1	867.1	829.1	797.2
162.5°	1043.1	1036.9	1022.5	1011.2	1000.8	977.2	949.8	920.1	887.1	853.9	824.3
165°	1050.9	1043.9	1028.9	1019.9	1011.0	991.0	967.0	943.0	915.1	888.1	864.1
167.5°	1051.5	1045.7	1030.7	1021.9	1015.4	998.2	978.8	960.4	938.6	917.5	897.5
170°	1049.9	1044.9	1029.9	1021.9	1017.0	1003.0	986.0	970.0	953.0	935.0	919.1
172.5°	1044.3	1039.3	1025.1	1018.7	1016.2	1003.8	990.0	978.0	963.4	950.2	937.4
175°	1029.9	1025.9	1014.0	1010.0	1011.0	1003.0	993.0	986.0	977.0	969.0	962.0
177.5°	1009.0	1006.6	997.8	997.8	1001.0	996.2	993.0	989.8	985.8	983.4	981.0
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0

TEST NUMBER: P1427529

CATALOG NUMBER: SQ2W-BBM-K-075U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7
2.5°	3327.3	3328.2	3341.8	3351.4	3348.4	3345.4	3348.4	3351.4	3341.8	3328.2	3327.3
5°	3325.6	3329.4	3349.4	3364.1	3362.6	3361.1	3362.6	3364.1	3349.4	3329.4	3325.6
7.5°	3332.8	3336.6	3353.1	3364.6	3360.8	3357.1	3360.8	3364.6	3353.1	3336.6	3332.8
10°	3331.8	3332.9	3350.0	3361.9	3358.2	3354.4	3358.2	3361.9	3350.0	3332.9	3331.8
12.5°	3331.9	3327.1	3340.6	3349.1	3342.4	3335.7	3342.4	3349.1	3340.6	3327.1	3331.9
15°	3321.7	3305.4	3307.6	3306.9	3297.2	3287.6	3297.2	3306.9	3307.6	3305.4	3321.7
17.5°	3275.7	3248.4	3240.2	3230.6	3217.0	3203.3	3217.0	3230.6	3240.2	3248.4	3275.7
20°	3224.6	3191.9	3177.7	3164.2	3152.3	3140.4	3152.3	3164.2	3177.7	3191.9	3224.6
22.5°	3155.2	3121.9	3104.2	3088.5	3079.0	3069.5	3079.0	3088.5	3104.2	3121.9	3155.2
25°	3018.7	2988.2	2974.9	2963.5	2958.3	2953.1	2958.3	2963.5	2974.9	2988.2	3018.7
27.5°	2842.9	2816.7	2800.1	2785.9	2779.2	2772.5	2779.2	2785.9	2800.1	2816.7	2842.9
30°	2714.0	2691.7	2673.9	2657.3	2644.7	2632.1	2644.7	2657.3	2673.9	2691.7	2714.0
32.5°	2564.3	2545.0	2525.4	2507.5	2494.9	2482.2	2494.9	2507.5	2525.4	2545.0	2564.3
35°	2307.5	2289.6	2270.3	2253.0	2241.9	2230.7	2241.9	2253.0	2270.3	2289.6	2307.5
37.5°	1995.8	1979.2	1958.4	1940.4	1931.1	1921.7	1931.1	1940.4	1958.4	1979.2	1995.8
40°	1754.5	1740.0	1725.2	1710.5	1696.4	1682.2	1696.4	1710.5	1725.2	1740.0	1754.5
42.5°	1516.1	1497.4	1473.7	1454.4	1448.6	1442.8	1448.6	1454.4	1473.7	1497.4	1516.1
45°	1145.3	1137.1	1110.3	1071.1	994.6	918.0	994.6	1071.1	1110.3	1137.1	1145.3
47.5°	762.0	748.1	671.9	594.5	513.4	432.4	513.4	594.5	671.9	748.1	762.0
50°	537.5	523.4	409.7	317.5	290.0	262.5	290.0	317.5	409.7	523.4	537.5
52.5°	364.9	360.0	275.5	208.1	192.5	176.9	192.5	208.1	275.5	360.0	364.9
55°	166.8	166.1	130.4	102.6	98.1	93.6	98.1	102.6	130.4	166.1	166.8
57.5°	73.2	73.6	61.0	49.7	42.4	35.1	42.4	49.7	61.0	73.6	73.2
60°	39.9	38.8	26.2	15.0	8.4	1.7	8.4	15.0	26.2	38.8	39.9
62.5°	22.9	22.6	12.4	4.2	2.3	0.3	2.3	4.2	12.4	22.6	22.9
65°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.6	1.3	1.3	1.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.6	6.0	7.4	8.2	9.0	8.6	9.0	8.2	7.4	6.0	4.6
90°	23.0	30.0	37.0	41.0	45.0	43.0	45.0	41.0	37.0	30.0	23.0
92.5°	46.2	57.9	66.5	73.7	76.9	76.5	76.9	73.7	66.5	57.9	46.2
95°	92.9	106.9	120.9	130.9	136.9	134.9	136.9	130.9	120.9	106.9	92.9
97.5°	143.3	162.0	177.6	187.0	193.0	197.0	193.0	187.0	177.6	162.0	143.3
100°	176.8	194.8	212.8	223.8	233.8	237.8	233.8	223.8	212.8	194.8	176.8
102.5°	204.0	227.6	247.1	258.9	267.3	271.3	267.3	258.9	247.1	227.6	204.0
105°	248.7	273.7	294.7	309.7	318.7	321.7	318.7	309.7	294.7	273.7	248.7
107.5°	293.5	319.3	338.7	355.2	366.2	372.6	366.2	355.2	338.7	319.3	293.5
110°	328.7	349.6	370.6	385.6	396.6	400.6	396.6	385.6	370.6	349.6	328.7



TEST NUMBER: P1427529

CATALOG NUMBER: SQ2W-BBM-K-075U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	358.2	381.6	402.6	417.6	430.2	435.8	430.2	417.6	402.6	381.6	358.2
115°	399.6	430.6	449.5	463.5	472.5	477.5	472.5	463.5	449.5	430.6	399.6
117.5°	434.0	466.3	487.1	497.9	502.1	505.7	502.1	497.9	487.1	466.3	434.0
120°	455.5	485.5	509.5	523.5	528.5	530.5	528.5	523.5	509.5	485.5	455.5
122.5°	475.5	503.9	527.1	544.2	552.4	554.4	552.4	544.2	527.1	503.9	475.5
125°	503.5	530.5	554.4	571.4	580.4	585.4	580.4	571.4	554.4	530.5	503.5
127.5°	527.9	557.0	579.0	594.4	603.2	607.2	603.2	594.4	579.0	557.0	527.9
130°	541.4	571.4	593.4	610.4	618.4	622.4	618.4	610.4	593.4	571.4	541.4
132.5°	551.8	583.4	606.2	621.6	630.3	634.3	630.3	621.6	606.2	583.4	551.8
135°	564.4	597.4	621.4	636.3	644.3	648.3	644.3	636.3	621.4	597.4	564.4
137.5°	575.4	605.4	630.3	646.1	653.3	655.9	653.3	646.1	630.3	605.4	575.4
140°	583.4	609.4	634.3	649.3	657.3	658.3	657.3	649.3	634.3	609.4	583.4
142.5°	593.8	614.2	635.9	650.9	658.9	660.7	658.9	650.9	635.9	614.2	593.8
145°	612.4	624.4	639.3	653.3	660.3	662.3	660.3	653.3	639.3	624.4	612.4
147.5°	635.7	639.5	647.3	656.5	663.3	664.7	663.3	656.5	647.3	639.5	635.7
150°	653.3	652.3	655.3	661.3	667.3	666.3	667.3	661.3	655.3	652.3	653.3
152.5°	673.3	667.5	667.3	670.1	672.9	672.7	672.9	670.1	667.3	667.5	673.3
155°	707.3	696.3	690.3	688.3	688.3	687.3	688.3	688.3	690.3	696.3	707.3
157.5°	744.6	729.2	720.3	715.5	714.1	711.9	714.1	715.5	720.3	729.2	744.6
160°	770.2	753.2	744.2	736.2	733.2	730.2	733.2	736.2	744.2	753.2	770.2
162.5°	794.2	778.0	768.2	761.0	758.0	753.4	758.0	761.0	768.2	778.0	794.2
165°	833.1	816.2	805.2	799.2	795.2	791.2	795.2	799.2	805.2	816.2	833.1
167.5°	872.1	853.5	846.3	839.5	835.7	828.5	835.7	839.5	846.3	853.5	872.1
170°	896.1	879.1	875.1	869.1	862.1	854.1	862.1	869.1	875.1	879.1	896.1
172.5°	916.9	905.5	901.5	895.5	893.3	886.9	893.3	895.5	901.5	905.5	916.9
175°	947.0	938.0	938.0	937.0	934.0	928.0	934.0	937.0	938.0	938.0	947.0
177.5°	972.2	967.4	970.6	970.6	969.8	964.2	969.8	970.6	970.6	967.4	972.2
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



TEST NUMBER: P1427529

CATALOG NUMBER: SQ2W-BBM-K-075U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3342.7	3342.7	3342.7	3342.7
2.5°	3339.2	3349.1	3353.3	3357.5
5°	3338.3	3348.7	3352.4	3356.1
7.5°	3341.7	3349.1	3351.6	3354.1
10°	3346.6	3358.0	3358.7	3359.5
12.5°	3355.1	3371.4	3366.7	3362.1
15°	3356.7	3379.7	3367.1	3354.4
17.5°	3322.2	3352.7	3334.8	3317.0
20°	3275.8	3309.1	3288.3	3267.5
22.5°	3204.1	3236.0	3217.0	3197.9
25°	3066.3	3098.8	3086.1	3073.5
27.5°	2878.5	2904.4	2900.8	2897.3
30°	2740.7	2760.8	2760.8	2760.8
32.5°	2583.3	2598.0	2599.8	2601.6
35°	2323.8	2334.0	2325.9	2317.7
37.5°	2008.1	2016.6	2013.4	2010.3
40°	1768.6	1779.0	1778.3	1777.6
42.5°	1529.6	1536.0	1521.0	1506.0
45°	1134.9	1110.5	1044.4	978.2
47.5°	713.4	656.3	574.0	491.6
50°	452.1	375.7	326.6	277.6
52.5°	290.2	228.7	207.0	185.3
55°	132.7	105.5	99.6	93.6
57.5°	59.9	47.8	39.8	31.8
60°	29.5	19.9	12.4	5.0
62.5°	13.0	5.2	3.1	1.0
65°	0.6	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	3.6	2.2	1.4	0.6
90°	18.0	11.0	7.0	3.0
92.5°	38.8	27.0	19.0	11.0
95°	77.9	61.9	44.0	31.0
97.5°	124.1	98.3	80.5	59.1
100°	148.8	123.9	106.9	83.9
102.5°	176.0	155.0	131.7	108.7
105°	224.8	198.8	171.8	145.8
107.5°	269.9	241.4	209.0	185.6
110°	298.7	267.7	233.8	212.8



TEST NUMBER: P1427529

CATALOG NUMBER: SQ2W-BBM-K-075U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	326.7	294.9	260.1	239.2
115°	364.6	329.7	297.7	279.7
117.5°	401.2	365.2	331.5	317.3
120°	423.6	387.6	354.6	343.6
122.5°	441.9	406.8	376.2	371.6
125°	469.5	433.6	407.6	413.6
127.5°	491.9	458.9	442.5	455.9
130°	505.5	476.5	466.5	485.5
132.5°	517.5	494.9	490.5	516.7
135°	535.4	522.5	526.5	562.4
137.5°	556.8	551.8	565.2	610.6
140°	570.4	573.4	592.4	643.3
142.5°	588.8	595.8	620.4	674.5
145°	617.4	632.3	664.3	718.3
147.5°	649.7	669.1	708.7	764.0
150°	671.3	696.3	738.2	791.2
152.5°	696.1	721.9	763.8	817.6
155°	734.2	763.2	807.2	853.1
157.5°	773.2	802.8	844.7	884.9
160°	797.2	829.1	867.1	904.1
162.5°	824.3	853.9	887.1	920.1
165°	864.1	888.1	915.1	943.0
167.5°	897.5	917.5	938.6	960.4
170°	919.1	935.0	953.0	970.0
172.5°	937.4	950.2	963.4	978.0
175°	962.0	969.0	977.0	986.0
177.5°	981.0	983.4	985.8	989.8
180°	989.0	989.0	989.0	989.0



TEST NUMBER: P1427529

CATALOG NUMBER: SQ2W-BBM-K-075U-125D-L935-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	0.69	1.47	1.57	2.33	3.42	0.92	1.70	1.80	2.56	3.65
	3H	0.51	1.19	1.39	2.07	3.17	0.74	1.42	1.62	2.30	3.40
	4H	0.40	1.05	1.30	1.93	3.05	0.63	1.28	1.53	2.16	3.28
	6H	0.29	0.88	1.20	1.77	2.90	0.52	1.11	1.43	2.00	3.13
	8H	0.24	0.79	1.15	1.70	2.82	0.47	1.02	1.38	1.93	3.05
	12H	0.18	0.71	1.10	1.60	2.75	0.41	0.94	1.33	1.83	2.98
4H	2H	0.41	1.05	1.32	1.93	3.05	0.64	1.28	1.55	2.16	3.28
	3H	0.21	0.74	1.13	1.65	2.79	0.44	0.97	1.36	1.88	3.01
	4H	0.10	0.58	1.02	1.49	2.65	0.33	0.81	1.25	1.72	2.88
	6H	0.00	0.40	0.93	1.33	2.50	0.22	0.63	1.16	1.56	2.72
	8H	0.00	0.31	0.87	1.23	2.41	0.16	0.54	1.09	1.46	2.63
	12H	0.00	0.20	0.81	1.14	2.32	0.09	0.43	1.04	1.37	2.55
8H	4H	0.00	0.31	0.87	1.23	2.41	0.16	0.54	1.09	1.46	2.63
	6H	0.00	0.12	0.77	1.09	2.26	0.04	0.35	1.00	1.32	2.49
	8H	0.00	0.02	0.72	0.98	2.17	0.00	0.25	0.95	1.21	2.40
	12H	0.00	0.00	0.65	0.87	2.11	0.00	0.15	0.88	1.10	2.34
12H	4H	0.00	0.20	0.81	1.14	2.32	0.09	0.43	1.04	1.37	2.55
	6H	0.00	0.02	0.72	0.98	2.17	0.00	0.25	0.95	1.21	2.40
	8H	0.00	0.00	0.65	0.87	2.11	0.00	0.15	0.88	1.10	2.34