

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: P1428526

Luminaire Tested: SQ2W-WBM-K-050U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428526
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-125D-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 1250 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

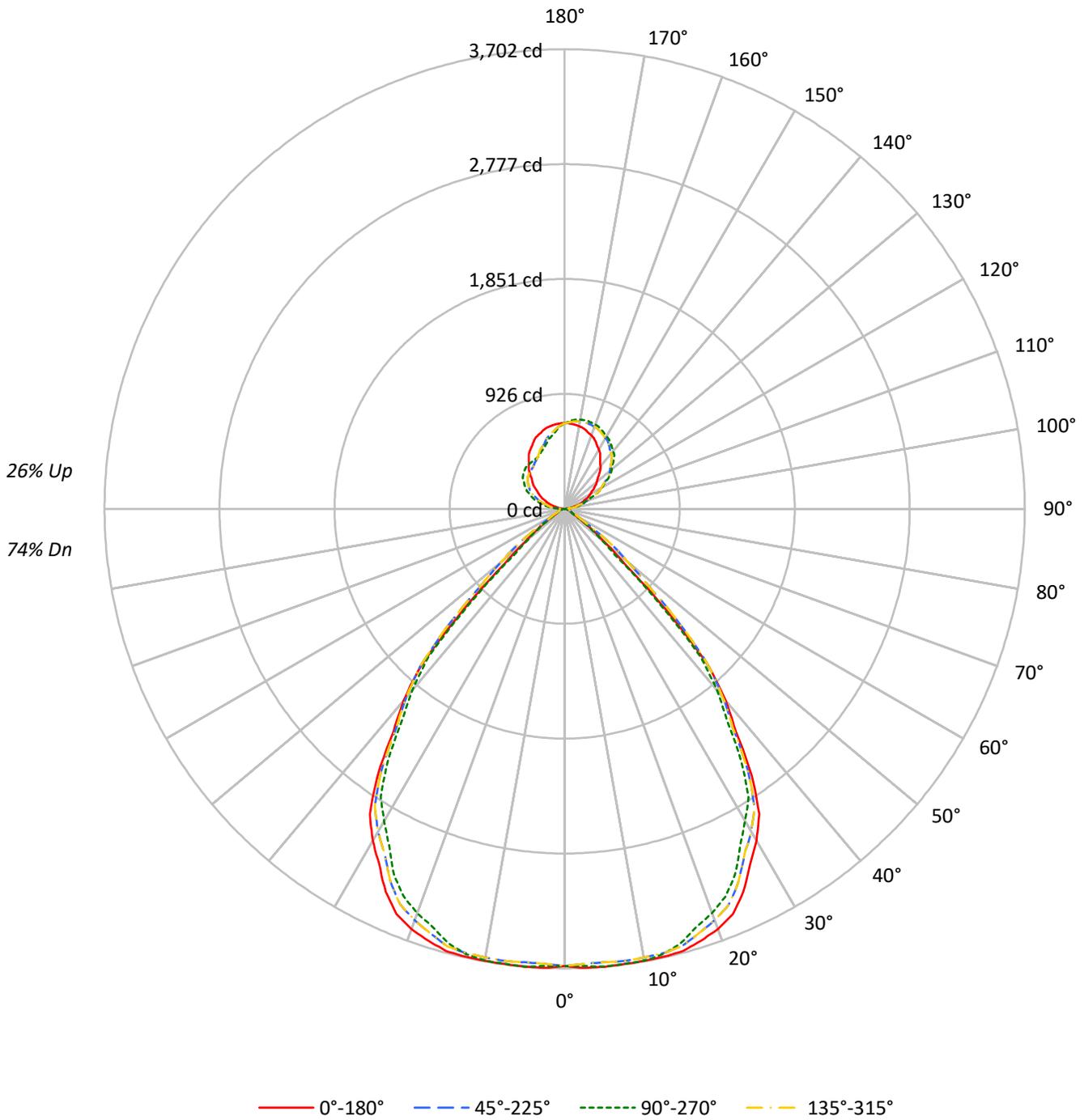
Lumens per Lamp: N/A
Luminaire Lumens: 7773.7 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 64.7
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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CATALOG NUMBER: SQ2W-WBM-K-050U-125D-L940-UNV-STD-W-WM-4

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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74				
1	106	102	99	97	101	98	95	93	89	87	85	81	79	78	73	72	71	68				
2	99	93	88	84	94	89	84	81	81	78	75	74	72	70	68	66	64	61				
3	92	84	78	73	88	81	75	71	74	70	67	68	65	62	63	60	58	55				
4	86	77	70	65	82	74	68	63	68	63	60	63	59	56	58	55	53	50				
5	80	70	63	58	76	68	61	56	63	58	54	58	54	51	54	51	48	46				
6	75	64	57	52	71	62	56	51	58	52	48	54	49	46	50	47	44	42				
7	70	59	52	47	67	57	51	46	53	48	44	50	45	42	47	43	40	38				
8	66	54	47	43	63	53	46	42	49	44	40	46	42	38	43	40	37	35				
9	62	50	44	39	59	49	43	38	46	41	37	43	39	35	41	37	34	32				
10	58	47	40	36	56	45	39	35	43	37	34	40	36	33	38	34	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	59458	59458	59458	59458
5°	59999	59972	59999	59972
10°	60606	60578	60606	60578
15°	61615	60522	61615	60522
20°	61909	59543	61909	59543
25°	60636	57867	60636	57867
30°	57531	54108	57531	54108
35°	51741	48820	51741	48820
40°	42419	40184	42419	40184
45°	26523	24911	26523	24911
50°	10376	9490	10376	9490
55°	5117	5070	5117	5070
60°	2393	2167	2393	2167
65°	2159	2025	2159	2025
70°	2082	2002	2082	2002
75°	2090	1871	2090	1871
80°	1971	1804	1971	1804
85°	1964	1630	1964	1630

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 30192 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.1	4.5
10°-20°	1029.6	13.2
20°-30°	1522.3	19.6
30°-40°	1575.0	20.3
40°-50°	947.4	12.2
50°-60°	226.5	2.9
60°-70°	61.9	0.8
70°-80°	34.6	0.4
80°-90°	13.8	0.2
90°-100°	54.8	0.7
100°-110°	159.8	2.1
110°-120°	260.8	3.4
120°-130°	330.9	4.3
130°-140°	354.1	4.6
140°-150°	330.7	4.3
150°-160°	272.1	3.5
160°-170°	182.5	2.3
170°-180°	64.8	0.8
0°-30°	2903.9	37.4
0°-40°	4479.0	57.6
0°-60°	5652.9	72.7
0°-90°	5763.2	74.1
90°-120°	475.4	6.1
90°-150°	1491.1	19.2
90°-180°	2010.0	25.9
0°-180°	7773.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3683	3683	3683	3683	3683	
5°	3702	3700	3702	3700	3702	353
15°	3686	3621	3686	3621	3686	1039
25°	3404	3248	3404	3248	3404	1556
35°	2625	2477	2625	2477	2625	1611
45°	1162	1091	1162	1091	1162	898
55°	182	180	182	180	182	182
65°	56	53	56	53	56	57
75°	34	30	34	30	34	35
85°	11	9	11	9	11	11
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°	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6
2.5°	3701.0	3696.6	3692.2	3681.2	3668.0	3668.3	3682.2	3691.7	3688.6	3685.4	3688.6
5°	3702.0	3696.5	3691.1	3678.5	3663.6	3667.1	3689.1	3705.0	3702.6	3700.3	3702.6
7.5°	3698.2	3695.8	3693.5	3684.3	3672.8	3675.4	3692.0	3703.6	3700.0	3696.4	3700.0
10°	3696.7	3697.5	3698.3	3686.2	3669.7	3670.1	3687.3	3699.7	3697.3	3695.0	3697.3
12.5°	3695.3	3701.8	3708.2	3691.8	3667.8	3662.5	3676.0	3684.8	3679.3	3673.8	3679.3
15°	3686.2	3698.7	3711.3	3689.1	3655.4	3638.5	3638.5	3636.5	3628.7	3620.8	3628.7
17.5°	3647.0	3661.9	3676.8	3646.7	3601.7	3573.1	3561.0	3549.6	3540.0	3530.4	3540.0
20°	3603.2	3618.1	3633.0	3597.3	3544.7	3508.6	3489.0	3473.3	3469.4	3465.5	3469.4
22.5°	3534.0	3550.1	3566.3	3528.1	3471.8	3432.8	3411.3	3393.6	3387.2	3380.7	3387.2
25°	3403.7	3416.2	3428.8	3389.0	3331.7	3295.2	3279.5	3265.6	3257.0	3248.3	3257.0
27.5°	3230.0	3236.9	3243.8	3205.3	3151.6	3115.8	3097.9	3081.5	3069.6	3057.7	3069.6
30°	3085.9	3089.1	3092.2	3061.2	3018.8	2985.9	2962.3	2940.0	2921.1	2902.3	2921.1
32.5°	2915.0	2918.2	2921.3	2894.1	2856.7	2826.9	2804.6	2784.2	2769.1	2754.0	2769.1
35°	2625.1	2623.6	2622.0	2604.6	2581.8	2557.5	2531.6	2508.2	2492.5	2476.9	2492.5
37.5°	2262.5	2264.7	2266.9	2253.9	2235.9	2216.7	2196.3	2177.0	2161.2	2145.3	2161.2
40°	2012.6	2014.1	2015.7	2004.9	1990.0	1967.6	1937.8	1914.5	1910.6	1906.6	1910.6
42.5°	1707.5	1731.0	1754.6	1745.0	1724.5	1702.7	1679.8	1658.1	1639.7	1621.3	1639.7
45°	1161.6	1233.0	1304.4	1322.3	1322.3	1308.6	1281.1	1241.7	1166.3	1091.0	1166.3
47.5°	656.0	737.3	818.6	872.0	916.1	897.3	815.7	731.7	640.2	548.7	640.2
50°	413.1	468.0	523.0	591.4	664.4	644.4	531.4	439.0	408.4	377.8	408.4
52.5°	293.1	321.0	348.9	413.5	490.2	480.9	385.4	309.8	293.7	277.5	293.7
55°	181.8	192.0	202.2	233.6	272.1	269.7	226.6	192.6	186.3	180.1	186.3
57.5°	108.0	118.6	129.1	143.0	158.1	158.1	143.0	129.2	119.3	109.5	119.3
60°	74.1	82.8	91.4	103.0	115.5	114.0	98.3	84.3	75.7	67.1	75.7
62.5°	64.3	67.9	71.5	80.4	91.1	90.1	77.6	67.4	64.4	61.4	64.4
65°	56.5	57.3	58.1	58.8	59.6	59.2	57.7	56.1	54.5	53.0	54.5
67.5°	49.8	50.6	51.4	51.1	50.5	50.1	49.9	49.4	48.0	46.6	48.0
70°	44.1	44.9	45.7	45.9	45.9	45.5	44.7	43.9	43.2	42.4	43.2
72.5°	39.9	40.7	41.5	41.2	40.6	40.2	40.0	39.5	38.1	36.7	38.1
75°	33.5	33.5	33.5	33.5	33.5	33.2	32.4	31.6	30.8	30.0	30.8
77.5°	25.4	26.2	27.0	26.6	25.8	25.4	25.4	25.2	24.4	23.7	24.4
80°	21.2	22.0	22.8	22.4	21.6	21.2	21.2	21.0	20.2	19.4	20.2
82.5°	16.9	17.1	17.3	17.2	17.0	16.9	16.9	16.8	16.0	15.2	16.0
85°	10.6	10.6	10.6	10.0	9.2	8.8	8.8	8.8	8.8	8.8	8.8
87.5°	3.2	4.4	5.7	6.0	5.8	5.6	5.6	5.7	5.9	5.9	5.9
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°	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6
2.5°	3691.7	3682.2	3668.3	3668.0	3681.2	3692.2	3696.6	3701.0	3696.6	3692.2	3681.2
5°	3705.0	3689.1	3667.1	3663.6	3678.5	3691.1	3696.5	3702.0	3696.5	3691.1	3678.5
7.5°	3703.6	3692.0	3675.4	3672.8	3684.3	3693.5	3695.8	3698.2	3695.8	3693.5	3684.3
10°	3699.7	3687.3	3670.1	3669.7	3686.2	3698.3	3697.5	3696.7	3697.5	3698.3	3686.2
12.5°	3684.8	3676.0	3662.5	3667.8	3691.8	3708.2	3701.8	3695.3	3701.8	3708.2	3691.8
15°	3636.5	3638.5	3638.5	3655.4	3689.1	3711.3	3698.7	3686.2	3698.7	3711.3	3689.1
17.5°	3549.6	3561.0	3573.1	3601.7	3646.7	3676.8	3661.9	3647.0	3661.9	3676.8	3646.7
20°	3473.3	3489.0	3508.6	3544.7	3597.3	3633.0	3618.1	3603.2	3618.1	3633.0	3597.3
22.5°	3393.6	3411.3	3432.8	3471.8	3528.1	3566.3	3550.1	3534.0	3550.1	3566.3	3528.1
25°	3265.6	3279.5	3295.2	3331.7	3389.0	3428.8	3416.2	3403.7	3416.2	3428.8	3389.0
27.5°	3081.5	3097.9	3115.8	3151.6	3205.3	3243.8	3236.9	3230.0	3236.9	3243.8	3205.3
30°	2940.0	2962.3	2985.9	3018.8	3061.2	3092.2	3089.1	3085.9	3089.1	3092.2	3061.2
32.5°	2784.2	2804.6	2826.9	2856.7	2894.1	2921.3	2918.2	2915.0	2918.2	2921.3	2894.1
35°	2508.2	2531.6	2557.5	2581.8	2604.6	2622.0	2623.6	2625.1	2623.6	2622.0	2604.6
37.5°	2177.0	2196.3	2216.7	2235.9	2253.9	2266.9	2264.7	2262.5	2264.7	2266.9	2253.9
40°	1914.5	1937.8	1967.6	1990.0	2004.9	2015.7	2014.1	2012.6	2014.1	2015.7	2004.9
42.5°	1658.1	1679.8	1702.7	1724.5	1745.0	1754.6	1731.0	1707.5	1731.0	1754.6	1745.0
45°	1241.7	1281.1	1308.6	1322.3	1322.3	1304.4	1233.0	1161.6	1233.0	1304.4	1322.3
47.5°	731.7	815.7	897.3	916.1	872.0	818.6	737.3	656.0	737.3	818.6	872.0
50°	439.0	531.4	644.4	664.4	591.4	523.0	468.0	413.1	468.0	523.0	591.4
52.5°	309.8	385.4	480.9	490.2	413.5	348.9	321.0	293.1	321.0	348.9	413.5
55°	192.6	226.6	269.7	272.1	233.6	202.2	192.0	181.8	192.0	202.2	233.6
57.5°	129.2	143.0	158.1	158.1	143.0	129.1	118.6	108.0	118.6	129.1	143.0
60°	84.3	98.3	114.0	115.5	103.0	91.4	82.8	74.1	82.8	91.4	103.0
62.5°	67.4	77.6	90.1	91.1	80.4	71.5	67.9	64.3	67.9	71.5	80.4
65°	56.1	57.7	59.2	59.6	58.8	58.1	57.3	56.5	57.3	58.1	58.8
67.5°	49.4	49.9	50.1	50.5	51.1	51.4	50.6	49.8	50.6	51.4	51.1
70°	43.9	44.7	45.5	45.9	45.9	45.7	44.9	44.1	44.9	45.7	45.9
72.5°	39.5	40.0	40.2	40.6	41.2	41.5	40.7	39.9	40.7	41.5	41.2
75°	31.6	32.4	33.2	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
77.5°	25.2	25.4	25.4	25.8	26.6	27.0	26.2	25.4	26.2	27.0	26.6
80°	21.0	21.2	21.2	21.6	22.4	22.8	22.0	21.2	22.0	22.8	22.4
82.5°	16.8	16.9	16.9	17.0	17.2	17.3	17.1	16.9	17.1	17.3	17.2
85°	8.8	8.8	8.8	9.2	10.0	10.6	10.6	10.6	10.6	10.6	10.0
87.5°	5.7	5.6	5.6	5.8	6.0	5.7	4.4	3.2	4.4	5.6	6.3
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: P1428526

CATALOG NUMBER: SQ2W-WBM-K-050U-125D-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: P1428526

CATALOG NUMBER: SQ2W-WBM-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6
2.5°	3668.0	3668.3	3682.2	3691.7	3688.6	3685.4	3688.6	3691.7	3682.2	3668.3	3668.0
5°	3663.6	3667.1	3689.1	3705.0	3702.6	3700.3	3702.6	3705.0	3689.1	3667.1	3663.6
7.5°	3672.8	3675.4	3692.0	3703.6	3700.0	3696.4	3700.0	3703.6	3692.0	3675.4	3672.8
10°	3669.7	3670.1	3687.3	3699.7	3697.3	3695.0	3697.3	3699.7	3687.3	3670.1	3669.7
12.5°	3667.8	3662.5	3676.0	3684.8	3679.3	3673.8	3679.3	3684.8	3676.0	3662.5	3667.8
15°	3655.4	3638.5	3638.5	3636.5	3628.7	3620.8	3628.7	3636.5	3638.5	3638.5	3655.4
17.5°	3601.7	3573.1	3561.0	3549.6	3540.0	3530.4	3540.0	3549.6	3561.0	3573.1	3601.7
20°	3544.7	3508.6	3489.0	3473.3	3469.4	3465.5	3469.4	3473.3	3489.0	3508.6	3544.7
22.5°	3471.8	3432.8	3411.3	3393.6	3387.2	3380.7	3387.2	3393.6	3411.3	3432.8	3471.8
25°	3331.7	3295.2	3279.5	3265.6	3257.0	3248.3	3257.0	3265.6	3279.5	3295.2	3331.7
27.5°	3151.6	3115.8	3097.9	3081.5	3069.6	3057.7	3069.6	3081.5	3097.9	3115.8	3151.6
30°	3018.8	2985.9	2962.3	2940.0	2921.1	2902.3	2921.1	2940.0	2962.3	2985.9	3018.8
32.5°	2856.7	2826.9	2804.6	2784.2	2769.1	2754.0	2769.1	2784.2	2804.6	2826.9	2856.7
35°	2581.8	2557.5	2531.6	2508.2	2492.5	2476.9	2492.5	2508.2	2531.6	2557.5	2581.8
37.5°	2235.9	2216.7	2196.3	2177.0	2161.2	2145.3	2161.2	2177.0	2196.3	2216.7	2235.9
40°	1990.0	1967.6	1937.8	1914.5	1910.6	1906.6	1910.6	1914.5	1937.8	1967.6	1990.0
42.5°	1724.5	1702.7	1679.8	1658.1	1639.7	1621.3	1639.7	1658.1	1679.8	1702.7	1724.5
45°	1322.3	1308.6	1281.1	1241.7	1166.3	1091.0	1166.3	1241.7	1281.1	1308.6	1322.3
47.5°	916.1	897.3	815.7	731.7	640.2	548.7	640.2	731.7	815.7	897.3	916.1
50°	664.4	644.4	531.4	439.0	408.4	377.8	408.4	439.0	531.4	644.4	664.4
52.5°	490.2	480.9	385.4	309.8	293.7	277.5	293.7	309.8	385.4	480.9	490.2
55°	272.1	269.7	226.6	192.6	186.3	180.1	186.3	192.6	226.6	269.7	272.1
57.5°	158.1	158.1	143.0	129.2	119.3	109.5	119.3	129.2	143.0	158.1	158.1
60°	115.5	114.0	98.3	84.3	75.7	67.1	75.7	84.3	98.3	114.0	115.5
62.5°	91.1	90.1	77.6	67.4	64.4	61.4	64.4	67.4	77.6	90.1	91.1
65°	59.6	59.2	57.7	56.1	54.5	53.0	54.5	56.1	57.7	59.2	59.6
67.5°	50.5	50.1	49.9	49.4	48.0	46.6	48.0	49.4	49.9	50.1	50.5
70°	45.9	45.5	44.7	43.9	43.2	42.4	43.2	43.9	44.7	45.5	45.9
72.5°	40.6	40.2	40.0	39.5	38.1	36.7	38.1	39.5	40.0	40.2	40.6
75°	33.5	33.2	32.4	31.6	30.8	30.0	30.8	31.6	32.4	33.2	33.5
77.5°	25.8	25.4	25.4	25.2	24.4	23.7	24.4	25.2	25.4	25.4	25.8
80°	21.6	21.2	21.2	21.0	20.2	19.4	20.2	21.0	21.2	21.2	21.6
82.5°	17.0	16.9	16.9	16.8	16.0	15.2	16.0	16.8	16.9	16.9	17.0
85°	9.2	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	9.2
87.5°	6.3	7.0	8.0	8.5	9.1	8.8	9.1	8.5	8.0	7.0	6.3
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: P1428526

CATALOG NUMBER: SQ2W-WBM-K-050U-125D-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: P1428526

CATALOG NUMBER: SQ2W-WBM-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3682.6	3682.6	3682.6	3682.6
2.5°	3681.2	3692.2	3696.6	3701.0
5°	3678.5	3691.1	3696.5	3702.0
7.5°	3684.3	3693.5	3695.8	3698.2
10°	3686.2	3698.3	3697.5	3696.7
12.5°	3691.8	3708.2	3701.8	3695.3
15°	3689.1	3711.3	3698.7	3686.2
17.5°	3646.7	3676.8	3661.9	3647.0
20°	3597.3	3633.0	3618.1	3603.2
22.5°	3528.1	3566.3	3550.1	3534.0
25°	3389.0	3428.8	3416.2	3403.7
27.5°	3205.3	3243.8	3236.9	3230.0
30°	3061.2	3092.2	3089.1	3085.9
32.5°	2894.1	2921.3	2918.2	2915.0
35°	2604.6	2622.0	2623.6	2625.1
37.5°	2253.9	2266.9	2264.7	2262.5
40°	2004.9	2015.7	2014.1	2012.6
42.5°	1745.0	1754.6	1731.0	1707.5
45°	1322.3	1304.4	1233.0	1161.6
47.5°	872.0	818.6	737.3	656.0
50°	591.4	523.0	468.0	413.1
52.5°	413.5	348.9	321.0	293.1
55°	233.6	202.2	192.0	181.8
57.5°	143.0	129.1	118.6	108.0
60°	103.0	91.4	82.8	74.1
62.5°	80.4	71.5	67.9	64.3
65°	58.8	58.1	57.3	56.5
67.5°	51.1	51.4	50.6	49.8
70°	45.9	45.7	44.9	44.1
72.5°	41.2	41.5	40.7	39.9
75°	33.5	33.5	33.5	33.5
77.5°	26.6	27.0	26.2	25.4
80°	22.4	22.8	22.0	21.2
82.5°	17.2	17.3	17.1	16.9
85°	10.0	10.6	10.6	10.6
87.5°	6.3	5.6	4.4	3.2
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: P1428526

CATALOG NUMBER: SQ2W-WBM-K-050U-125D-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: P1428526
 CATALOG NUMBER: SQ2W-WBM-K-050U-125D-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	8.24	9.12	8.99	9.86	10.76	8.22	9.10	8.97	9.84	10.74
	3H	8.94	9.71	9.71	10.47	11.40	8.85	9.63	9.62	10.39	11.31
	4H	9.31	10.03	10.09	10.80	11.74	9.16	9.89	9.95	10.65	11.59
	6H	9.58	10.25	10.38	11.02	11.97	9.40	10.06	10.20	10.84	11.79
	8H	9.70	10.33	10.51	11.12	12.07	9.50	10.13	10.31	10.92	11.87
	12H	9.78	10.38	10.59	11.17	12.14	9.56	10.15	10.36	10.94	11.91
4H	2H	8.35	9.07	9.14	9.84	10.78	8.33	9.05	9.12	9.82	10.76
	3H	9.30	9.89	10.09	10.69	11.64	9.21	9.80	10.01	10.61	11.56
	4H	9.80	10.34	10.61	11.14	12.12	9.66	10.19	10.46	10.99	11.97
	6H	10.24	10.69	11.06	11.52	12.51	10.03	10.49	10.86	11.32	12.31
	8H	10.42	10.85	11.25	11.67	12.67	10.20	10.63	11.03	11.45	12.45
	12H	10.55	10.93	11.40	11.78	12.78	10.29	10.67	11.14	11.52	12.52
8H	4H	9.92	10.35	10.75	11.17	12.17	9.79	10.21	10.62	11.04	12.03
	6H	10.50	10.85	11.36	11.71	12.71	10.31	10.65	11.16	11.52	12.52
	8H	10.79	11.10	11.66	11.96	12.98	10.57	10.88	11.44	11.74	12.76
	12H	11.01	11.28	11.87	12.13	13.21	10.74	11.01	11.61	11.86	12.94
12H	4H	9.91	10.29	10.75	11.13	12.13	9.78	10.16	10.62	11.00	12.00
	6H	10.53	10.84	11.40	11.71	12.72	10.35	10.66	11.22	11.52	12.54
	8H	10.86	11.13	11.73	11.98	13.06	10.65	10.93	11.52	11.78	12.85