

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: P1428040

Luminaire Tested: SQ2W-PP3-K-050U-050D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428040
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PP3-K-050U-050D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

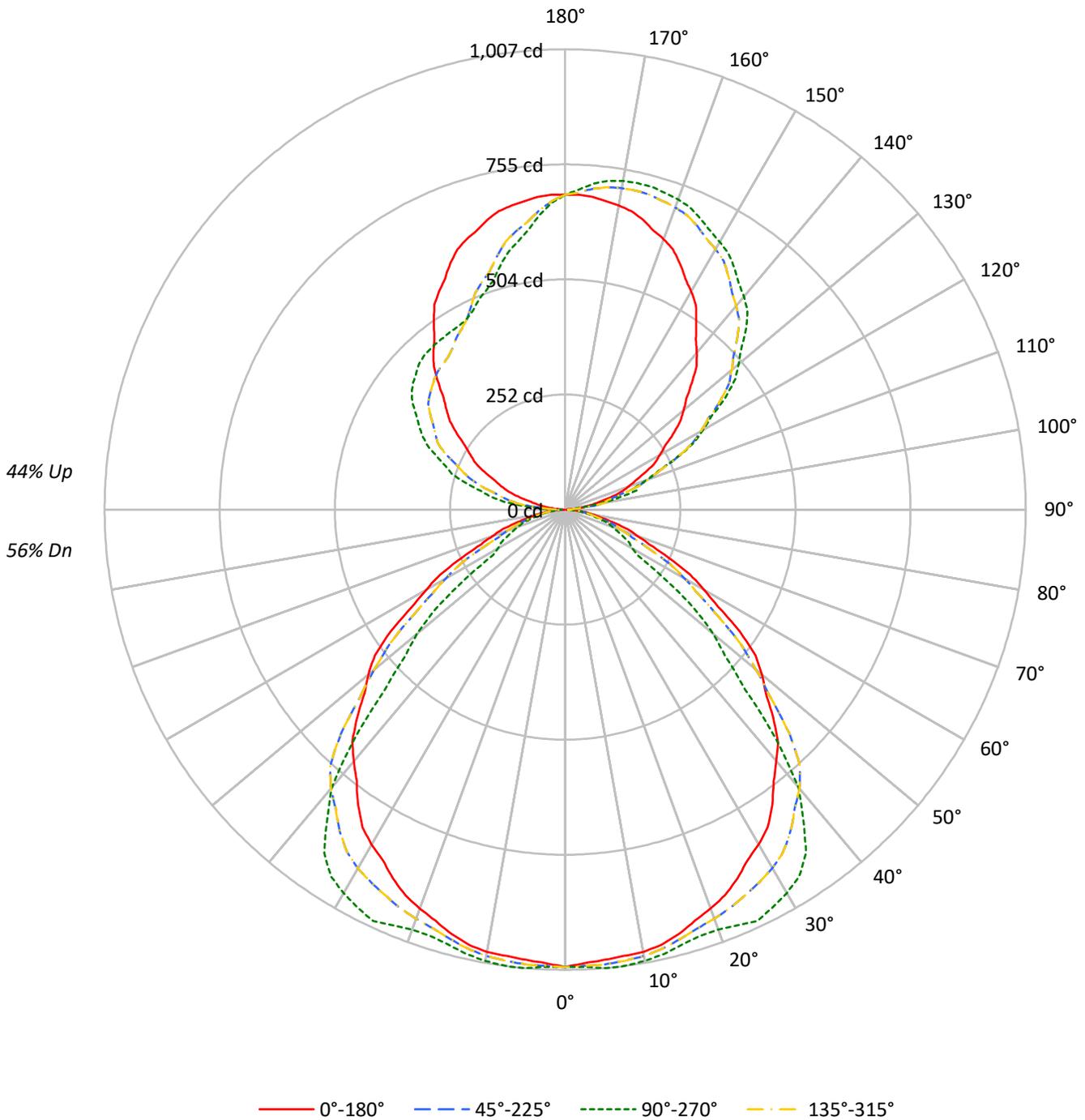
Lumens per Lamp: N/A
Luminaire Lumens: 4533.4 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 32.7
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

TEST NUMBER: P1428040

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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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56
1	100	96	92	89	93	89	86	83	77	74	72	66	64	62	55	54	53	48
2	91	84	78	73	85	78	73	69	68	64	61	58	55	53	49	47	45	41
3	84	74	67	62	77	69	63	58	60	56	52	52	48	45	44	41	39	35
4	77	66	58	52	71	62	55	50	54	49	44	47	42	39	40	37	34	31
5	70	59	51	45	65	55	48	43	48	43	39	42	38	34	36	33	30	27
6	65	53	45	39	60	50	43	38	44	38	34	38	34	30	33	29	27	24
7	60	48	40	35	56	45	38	33	40	34	30	35	30	27	30	26	24	21
8	56	44	36	31	52	41	34	29	36	31	27	32	27	24	27	24	21	19
9	52	40	32	27	48	38	31	26	33	28	24	29	25	22	25	22	19	17
10	49	37	29	25	45	35	28	24	31	25	22	27	23	19	23	20	17	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16157	16157	16157	16157
5°	16029	16321	16029	16321
10°	16111	16441	16111	16441
15°	16072	16478	16072	16478
20°	15957	16811	15957	16811
25°	15866	17695	15866	17695
30°	15776	18063	15776	18063
35°	15553	18096	15553	18096
40°	15137	16720	15137	16720
45°	14684	12727	14684	12727
50°	14109	10602	14109	10602
55°	13131	7623	13131	7623
60°	11305	5464	11305	5464
65°	9536	5375	9536	5375
70°	7940	5146	7940	5146
75°	6731	4816	6731	4816
80°	5709	4324	5709	4324
85°	4502	2353	4502	2353

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 16063 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	2.1
10°-20°	275.8	6.1
20°-30°	432.0	9.5
30°-40°	532.9	11.8
40°-50°	501.7	11.1
50°-60°	355.3	7.8
60°-70°	202.4	4.5
70°-80°	100.2	2.2
80°-90°	27.3	0.6
90°-100°	54.8	1.2
100°-110°	159.8	3.5
110°-120°	260.8	5.8
120°-130°	330.9	7.3
130°-140°	354.1	7.8
140°-150°	330.7	7.3
150°-160°	272.1	6.0
160°-170°	182.5	4.0
170°-180°	64.8	1.4
0°-30°	803.1	17.7
0°-40°	1336.0	29.5
0°-60°	2193.0	48.4
0°-90°	2523.0	55.7
90°-120°	475.4	10.5
90°-150°	1491.1	32.9
90°-180°	2010.0	44.3
0°-180°	4533.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1001	1001	1001	1001	1001	
5°	989	1007	989	1007	989	94
15°	962	986	962	986	962	271
25°	891	993	891	993	891	410
35°	789	918	789	918	789	492
45°	643	557	643	557	643	495
55°	466	271	466	271	466	412
65°	250	141	250	141	250	251
75°	108	77	108	77	108	117
85°	24	13	24	13	24	29
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°	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7
2.5°	993.0	999.4	1005.8	1004.3	1000.2	998.5	999.2	1000.0	1000.7	1001.5	1000.7
5°	989.0	997.0	1005.0	1003.8	999.6	998.0	998.9	1000.4	1003.7	1007.0	1003.7
7.5°	985.2	993.4	1001.6	1000.5	996.4	995.1	996.7	998.9	1003.0	1007.0	1003.0
10°	982.7	989.7	996.8	995.7	992.0	991.3	993.6	996.2	999.5	1002.8	999.5
12.5°	975.1	981.7	988.4	987.5	984.2	984.0	987.1	990.2	993.1	996.0	993.1
15°	961.5	967.6	973.7	973.9	972.0	973.2	977.4	981.1	983.5	985.8	983.5
17.5°	943.1	950.5	958.0	959.7	959.5	962.4	968.4	973.6	976.0	978.4	976.0
20°	928.7	937.7	946.6	949.5	950.5	954.7	962.2	969.0	973.7	978.4	973.7
22.5°	913.5	923.9	934.4	938.2	939.9	946.4	957.7	968.2	976.3	984.4	976.3
25°	890.6	901.0	911.3	918.9	925.4	937.0	953.4	968.8	981.0	993.3	981.0
27.5°	864.0	874.2	884.5	897.4	911.2	927.4	945.9	962.2	971.9	981.6	971.9
30°	846.2	856.1	866.0	880.8	897.2	915.1	934.4	951.1	960.0	968.9	960.0
32.5°	824.2	834.5	844.7	860.5	878.0	897.2	918.0	935.6	943.8	952.0	943.8
35°	789.1	799.0	808.8	827.2	848.3	869.7	891.4	908.7	913.4	918.1	913.4
37.5°	748.7	759.9	771.1	791.6	815.3	833.2	845.4	854.5	854.8	855.1	854.8
40°	718.2	732.8	747.4	767.9	790.5	803.0	805.3	805.6	799.4	793.3	799.4
42.5°	688.6	707.3	726.0	742.6	758.4	761.6	752.3	738.5	711.3	684.2	711.3
45°	643.1	665.2	687.3	697.4	703.5	682.9	635.4	595.1	576.3	557.4	576.3
47.5°	594.7	616.5	638.3	635.5	624.5	593.2	541.6	499.6	486.6	473.7	486.6
50°	561.7	582.4	603.0	588.1	561.3	526.1	482.3	446.5	434.3	422.1	434.3
52.5°	524.4	542.9	561.3	538.8	502.6	465.4	427.3	394.1	375.5	356.9	375.5
55°	466.5	479.2	491.9	467.2	430.0	389.1	344.5	306.5	288.7	270.8	288.7
57.5°	396.7	405.6	414.5	395.1	366.2	325.6	273.1	228.8	208.7	188.7	208.7
60°	350.1	357.2	364.2	346.6	320.7	282.0	230.2	189.0	179.1	169.2	179.1
62.5°	307.8	314.1	320.4	302.0	275.4	240.8	198.1	165.2	161.7	158.2	161.7
65°	249.6	255.7	261.9	242.6	214.8	187.8	161.5	141.6	141.2	140.7	141.2
67.5°	198.7	205.3	212.0	193.9	167.4	147.5	133.9	123.6	123.1	122.5	123.1
70°	168.2	175.2	182.3	165.4	140.4	124.2	116.7	110.8	109.9	109.0	109.9
72.5°	142.8	149.5	156.2	141.4	119.5	106.1	101.2	97.4	96.8	96.3	96.8
75°	107.9	113.1	118.2	107.5	91.6	82.4	80.0	78.2	77.7	77.2	77.7
77.5°	78.3	81.6	84.9	77.9	67.4	61.6	60.4	59.3	58.9	58.4	58.9
80°	61.4	62.8	64.2	59.2	52.2	48.4	48.0	47.5	47.0	46.5	47.0
82.5°	46.1	45.6	45.2	42.3	38.6	36.6	36.1	35.5	34.7	33.8	34.7
85°	24.3	23.4	22.4	21.5	20.6	19.2	17.3	15.5	14.1	12.7	14.1
87.5°	8.0	8.6	9.3	8.4	7.0	6.0	5.6	5.5	5.6	5.6	5.6
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°	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7
2.5°	1000.0	999.2	998.5	1000.2	1004.3	1005.8	999.4	993.0	999.4	1005.8	1004.3
5°	1000.4	998.9	998.0	999.6	1003.8	1005.0	997.0	989.0	997.0	1005.0	1003.8
7.5°	998.9	996.7	995.1	996.4	1000.5	1001.6	993.4	985.2	993.4	1001.6	1000.5
10°	996.2	993.6	991.3	992.0	995.7	996.8	989.7	982.7	989.7	996.8	995.7
12.5°	990.2	987.1	984.0	984.2	987.5	988.4	981.7	975.1	981.7	988.4	987.5
15°	981.1	977.4	973.2	972.0	973.9	973.7	967.6	961.5	967.6	973.7	973.9
17.5°	973.6	968.4	962.4	959.5	959.7	958.0	950.5	943.1	950.5	958.0	959.7
20°	969.0	962.2	954.7	950.5	949.5	946.6	937.7	928.7	937.7	946.6	949.5
22.5°	968.2	957.7	946.4	939.9	938.2	934.4	923.9	913.5	923.9	934.4	938.2
25°	968.8	953.4	937.0	925.4	918.9	911.3	901.0	890.6	901.0	911.3	918.9
27.5°	962.2	945.9	927.4	911.2	897.4	884.5	874.2	864.0	874.2	884.5	897.4
30°	951.1	934.4	915.1	897.2	880.8	866.0	856.1	846.2	856.1	866.0	880.8
32.5°	935.6	918.0	897.2	878.0	860.5	844.7	834.5	824.2	834.5	844.7	860.5
35°	908.7	891.4	869.7	848.3	827.2	808.8	799.0	789.1	799.0	808.8	827.2
37.5°	854.5	845.4	833.2	815.3	791.6	771.1	759.9	748.7	759.9	771.1	791.6
40°	805.6	805.3	803.0	790.5	767.9	747.4	732.8	718.2	732.8	747.4	767.9
42.5°	738.5	752.3	761.6	758.4	742.6	726.0	707.3	688.6	707.3	726.0	742.6
45°	595.1	635.4	682.9	703.5	697.4	687.3	665.2	643.1	665.2	687.3	697.4
47.5°	499.6	541.6	593.2	624.5	635.5	638.3	616.5	594.7	616.5	638.3	635.5
50°	446.5	482.3	526.1	561.3	588.1	603.0	582.4	561.7	582.4	603.0	588.1
52.5°	394.1	427.3	465.4	502.6	538.8	561.3	542.9	524.4	542.9	561.3	538.8
55°	306.5	344.5	389.1	430.0	467.2	491.9	479.2	466.5	479.2	491.9	467.2
57.5°	228.8	273.1	325.6	366.2	395.1	414.5	405.6	396.7	405.6	414.5	395.1
60°	189.0	230.2	282.0	320.7	346.6	364.2	357.2	350.1	357.2	364.2	346.6
62.5°	165.2	198.1	240.8	275.4	302.0	320.4	314.1	307.8	314.1	320.4	302.0
65°	141.6	161.5	187.8	214.8	242.6	261.9	255.7	249.6	255.7	261.9	242.6
67.5°	123.6	133.9	147.5	167.4	193.9	212.0	205.3	198.7	205.3	212.0	193.9
70°	110.8	116.7	124.2	140.4	165.4	182.3	175.2	168.2	175.2	182.3	165.4
72.5°	97.4	101.2	106.1	119.5	141.4	156.2	149.5	142.8	149.5	156.2	141.4
75°	78.2	80.0	82.4	91.6	107.5	118.2	113.1	107.9	113.1	118.2	107.5
77.5°	59.3	60.4	61.6	67.4	77.9	84.9	81.6	78.3	81.6	84.9	77.9
80°	47.5	48.0	48.4	52.2	59.2	64.2	62.8	61.4	62.8	64.2	59.2
82.5°	35.5	36.1	36.6	38.6	42.3	45.2	45.6	46.1	45.6	45.2	42.3
85°	15.5	17.3	19.2	20.6	21.5	22.4	23.4	24.3	23.4	22.4	21.5
87.5°	5.5	5.6	6.0	7.0	8.4	9.3	8.6	8.0	8.6	9.1	8.7
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: P1428040

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-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: P1428040

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7
2.5°	1000.2	998.5	999.2	1000.0	1000.7	1001.5	1000.7	1000.0	999.2	998.5	1000.2
5°	999.6	998.0	998.9	1000.4	1003.7	1007.0	1003.7	1000.4	998.9	998.0	999.6
7.5°	996.4	995.1	996.7	998.9	1003.0	1007.0	1003.0	998.9	996.7	995.1	996.4
10°	992.0	991.3	993.6	996.2	999.5	1002.8	999.5	996.2	993.6	991.3	992.0
12.5°	984.2	984.0	987.1	990.2	993.1	996.0	993.1	990.2	987.1	984.0	984.2
15°	972.0	973.2	977.4	981.1	983.5	985.8	983.5	981.1	977.4	973.2	972.0
17.5°	959.5	962.4	968.4	973.6	976.0	978.4	976.0	973.6	968.4	962.4	959.5
20°	950.5	954.7	962.2	969.0	973.7	978.4	973.7	969.0	962.2	954.7	950.5
22.5°	939.9	946.4	957.7	968.2	976.3	984.4	976.3	968.2	957.7	946.4	939.9
25°	925.4	937.0	953.4	968.8	981.0	993.3	981.0	968.8	953.4	937.0	925.4
27.5°	911.2	927.4	945.9	962.2	971.9	981.6	971.9	962.2	945.9	927.4	911.2
30°	897.2	915.1	934.4	951.1	960.0	968.9	960.0	951.1	934.4	915.1	897.2
32.5°	878.0	897.2	918.0	935.6	943.8	952.0	943.8	935.6	918.0	897.2	878.0
35°	848.3	869.7	891.4	908.7	913.4	918.1	913.4	908.7	891.4	869.7	848.3
37.5°	815.3	833.2	845.4	854.5	854.8	855.1	854.8	854.5	845.4	833.2	815.3
40°	790.5	803.0	805.3	805.6	799.4	793.3	799.4	805.6	805.3	803.0	790.5
42.5°	758.4	761.6	752.3	738.5	711.3	684.2	711.3	738.5	752.3	761.6	758.4
45°	703.5	682.9	635.4	595.1	576.3	557.4	576.3	595.1	635.4	682.9	703.5
47.5°	624.5	593.2	541.6	499.6	486.6	473.7	486.6	499.6	541.6	593.2	624.5
50°	561.3	526.1	482.3	446.5	434.3	422.1	434.3	446.5	482.3	526.1	561.3
52.5°	502.6	465.4	427.3	394.1	375.5	356.9	375.5	394.1	427.3	465.4	502.6
55°	430.0	389.1	344.5	306.5	288.7	270.8	288.7	306.5	344.5	389.1	430.0
57.5°	366.2	325.6	273.1	228.8	208.7	188.7	208.7	228.8	273.1	325.6	366.2
60°	320.7	282.0	230.2	189.0	179.1	169.2	179.1	189.0	230.2	282.0	320.7
62.5°	275.4	240.8	198.1	165.2	161.7	158.2	161.7	165.2	198.1	240.8	275.4
65°	214.8	187.8	161.5	141.6	141.2	140.7	141.2	141.6	161.5	187.8	214.8
67.5°	167.4	147.5	133.9	123.6	123.1	122.5	123.1	123.6	133.9	147.5	167.4
70°	140.4	124.2	116.7	110.8	109.9	109.0	109.9	110.8	116.7	124.2	140.4
72.5°	119.5	106.1	101.2	97.4	96.8	96.3	96.8	97.4	101.2	106.1	119.5
75°	91.6	82.4	80.0	78.2	77.7	77.2	77.7	78.2	80.0	82.4	91.6
77.5°	67.4	61.6	60.4	59.3	58.9	58.4	58.9	59.3	60.4	61.6	67.4
80°	52.2	48.4	48.0	47.5	47.0	46.5	47.0	47.5	48.0	48.4	52.2
82.5°	38.6	36.6	36.1	35.5	34.7	33.8	34.7	35.5	36.1	36.6	38.6
85°	20.6	19.2	17.3	15.5	14.1	12.7	14.1	15.5	17.3	19.2	20.6
87.5°	7.5	7.4	8.0	8.2	8.8	8.5	8.8	8.2	8.0	7.4	7.5
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: P1428040

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-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: P1428040

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1000.7	1000.7	1000.7	1000.7
2.5°	1004.3	1005.8	999.4	993.0
5°	1003.8	1005.0	997.0	989.0
7.5°	1000.5	1001.6	993.4	985.2
10°	995.7	996.8	989.7	982.7
12.5°	987.5	988.4	981.7	975.1
15°	973.9	973.7	967.6	961.5
17.5°	959.7	958.0	950.5	943.1
20°	949.5	946.6	937.7	928.7
22.5°	938.2	934.4	923.9	913.5
25°	918.9	911.3	901.0	890.6
27.5°	897.4	884.5	874.2	864.0
30°	880.8	866.0	856.1	846.2
32.5°	860.5	844.7	834.5	824.2
35°	827.2	808.8	799.0	789.1
37.5°	791.6	771.1	759.9	748.7
40°	767.9	747.4	732.8	718.2
42.5°	742.6	726.0	707.3	688.6
45°	697.4	687.3	665.2	643.1
47.5°	635.5	638.3	616.5	594.7
50°	588.1	603.0	582.4	561.7
52.5°	538.8	561.3	542.9	524.4
55°	467.2	491.9	479.2	466.5
57.5°	395.1	414.5	405.6	396.7
60°	346.6	364.2	357.2	350.1
62.5°	302.0	320.4	314.1	307.8
65°	242.6	261.9	255.7	249.6
67.5°	193.9	212.0	205.3	198.7
70°	165.4	182.3	175.2	168.2
72.5°	141.4	156.2	149.5	142.8
75°	107.5	118.2	113.1	107.9
77.5°	77.9	84.9	81.6	78.3
80°	59.2	64.2	62.8	61.4
82.5°	42.3	45.2	45.6	46.1
85°	21.5	22.4	23.4	24.3
87.5°	8.7	9.1	8.6	8.0
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: P1428040

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-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: P1428040
 CATALOG NUMBER: SQ2W-PP3-K-050U-050D-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	17.63	18.51	18.55	19.44	20.63	13.40	14.28	14.32	15.21	16.40
	3H	18.69	19.48	19.62	20.42	21.63	14.72	15.50	15.64	16.44	17.65
	4H	19.06	19.80	20.01	20.75	21.97	15.27	16.01	16.21	16.96	18.18
	6H	19.26	19.94	20.21	20.89	22.13	15.64	16.32	16.59	17.27	18.51
	8H	19.32	19.97	20.28	20.93	22.17	15.77	16.42	16.73	17.38	18.62
	12H	19.34	19.96	20.31	20.92	22.18	15.80	16.42	16.77	17.38	18.64
4H	2H	17.75	18.49	18.70	19.44	20.66	14.32	15.06	15.26	16.00	17.22
	3H	19.05	19.66	20.01	20.64	21.87	15.74	16.35	16.70	17.33	18.57
	4H	19.56	20.12	20.52	21.08	22.35	16.36	16.92	17.33	17.89	19.15
	6H	19.87	20.36	20.85	21.35	22.61	16.81	17.29	17.79	18.28	19.54
	8H	19.98	20.43	20.97	21.42	22.69	16.98	17.43	17.96	18.41	19.69
	12H	20.03	20.43	21.03	21.43	22.72	17.03	17.43	18.03	18.43	19.72
8H	4H	19.58	20.03	20.56	21.01	22.29	16.67	17.12	17.65	18.11	19.38
	6H	19.99	20.36	21.00	21.39	22.66	17.23	17.60	18.24	18.63	19.90
	8H	20.17	20.50	21.19	21.51	22.81	17.48	17.81	18.49	18.82	20.12
	12H	20.27	20.56	21.29	21.57	22.91	17.58	17.87	18.60	18.88	20.22
12H	4H	19.54	19.94	20.54	20.94	22.23	16.69	17.09	17.68	18.09	19.37
	6H	19.98	20.31	21.00	21.33	22.62	17.30	17.63	18.31	18.64	19.93
	8H	20.18	20.47	21.20	21.48	22.82	17.57	17.86	18.59	18.87	20.21