

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: P1428230

Luminaire Tested: SQ2W-PR1-K-075U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428230
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-075U-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

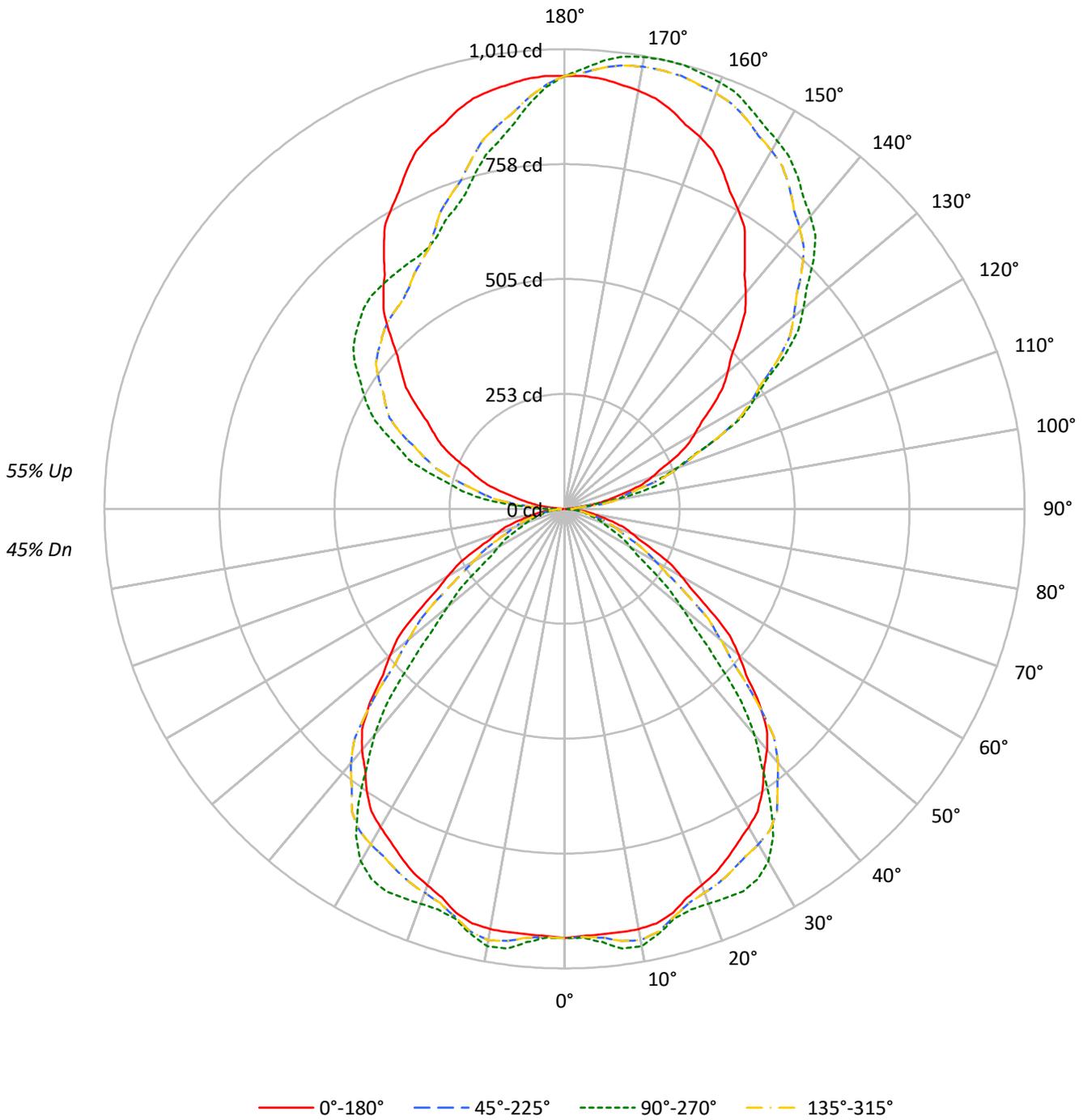
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5051.2 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 41.4
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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Luminous Intensity Polar Plot





TEST NUMBER: P1428230

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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	106	106	106	106	97	97	97	97	81	81	81	65	65	65	52	52	52	45
1	97	93	89	86	89	86	82	80	71	69	67	58	57	56	46	45	45	39
2	89	82	76	71	81	75	70	66	63	60	57	52	49	47	41	40	38	34
3	81	72	66	60	75	67	61	56	56	52	48	46	43	41	37	35	33	29
4	75	64	57	51	68	59	53	48	50	45	41	42	38	35	34	31	29	25
5	69	58	50	44	63	53	46	41	45	40	36	38	34	31	30	28	26	22
6	63	52	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	59	47	39	34	54	43	37	32	37	32	28	31	27	24	25	22	20	18
8	54	42	35	30	50	39	33	28	34	29	25	28	24	21	23	20	18	16
9	51	39	32	27	47	36	30	25	31	26	22	26	22	19	22	19	16	14
10	47	36	29	24	44	33	27	23	29	23	20	24	20	18	20	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15233	15233	15233	15233
5°	15214	15494	15214	15494
10°	15375	16004	15375	16004
15°	15370	15578	15370	15578
20°	15122	15864	15122	15864
25°	15078	16518	15078	16518
30°	15062	16676	15062	16676
35°	14919	15526	14919	15526
40°	14574	13664	14574	13664
45°	13791	10805	13791	10805
50°	12539	8382	12539	8382
55°	11020	6525	11020	6525
60°	9536	5373	9536	5373
65°	8229	4703	8229	4703
70°	7402	4178	7402	4178
75°	6781	3843	6781	3843
80°	5904	3756	5904	3756
85°	4279	1778	4279	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14807 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	1.8
10°-20°	263.8	5.2
20°-30°	407.8	8.1
30°-40°	490.4	9.7
40°-50°	440.3	8.7
50°-60°	295.1	5.8
60°-70°	171.6	3.4
70°-80°	88.2	1.7
80°-90°	25.7	0.5
90°-100°	75.7	1.5
100°-110°	220.8	4.4
110°-120°	360.3	7.1
120°-130°	457.2	9.1
130°-140°	489.2	9.7
140°-150°	456.8	9.0
150°-160°	375.9	7.4
160°-170°	252.1	5.0
170°-180°	89.5	1.8
0°-30°	762.7	15.1
0°-40°	1253.0	24.8
0°-60°	1988.4	39.4
0°-90°	2273.9	45.0
90°-120°	656.7	13.0
90°-150°	2059.9	40.8
90°-180°	2777.0	55.0
0°-180°	5051.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	944	944	944	944	944	
5°	939	956	939	956	939	90
15°	920	932	920	932	920	258
25°	846	927	846	927	846	390
35°	757	788	757	788	757	472
45°	604	473	604	473	604	462
55°	392	232	392	232	392	352
65°	215	123	215	123	215	218
75°	109	62	109	62	109	115
85°	23	10	23	10	23	29
90°	3	21	3	41	3	3
95°	30	22	30	130	30	36
105°	140	225	140	309	140	149
115°	269	373	269	459	269	265
125°	398	591	398	563	398	356
135°	541	773	541	624	541	418
145°	691	892	691	637	691	432
155°	820	968	820	661	820	377
165°	907	1010	907	761	907	255
175°	948	989	948	893	948	90
180°	951	951	951	951	951	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5
2.5°	939.7	944.8	949.9	947.6	942.8	940.6	941.0	941.5	942.5	943.5	942.5
5°	938.7	946.0	953.3	951.5	946.8	944.9	945.8	947.5	951.8	956.0	951.8
7.5°	938.5	948.9	959.2	960.0	957.6	957.7	960.1	963.4	969.1	974.7	969.1
10°	937.8	950.2	962.6	964.4	962.7	962.0	962.4	964.3	970.2	976.2	970.2
12.5°	933.1	947.6	962.0	960.5	953.7	950.0	949.4	949.7	953.0	956.2	953.0
15°	919.5	936.6	953.7	946.7	931.8	924.9	926.2	927.7	929.9	932.0	929.9
17.5°	895.4	913.3	931.2	924.9	910.7	905.8	910.4	915.0	919.1	923.3	919.1
20°	880.1	897.6	915.1	910.8	899.3	896.5	902.5	908.8	916.1	923.3	916.1
22.5°	866.2	883.7	901.3	898.5	889.0	888.5	896.9	905.6	915.6	925.6	915.6
25°	846.4	861.8	877.2	877.5	872.8	877.5	891.6	905.0	916.1	927.2	916.1
27.5°	825.6	834.7	843.7	849.7	854.7	866.7	885.8	902.0	909.8	917.6	909.8
30°	807.9	813.9	819.9	831.0	843.8	858.6	875.2	888.5	891.5	894.5	891.5
32.5°	788.7	792.3	795.9	811.5	831.2	845.4	854.2	859.9	856.0	852.2	856.0
35°	756.9	759.9	762.9	782.9	808.6	818.0	811.1	804.0	795.8	787.7	795.8
37.5°	719.2	725.4	731.5	747.8	767.5	767.3	747.3	730.0	720.7	711.4	720.7
40°	691.5	701.8	712.1	723.0	734.1	724.7	694.7	669.6	658.9	648.3	658.9
42.5°	657.7	674.1	690.5	692.9	690.7	670.5	632.4	600.6	587.5	574.4	587.5
45°	604.0	626.2	648.5	635.8	611.4	578.5	537.0	502.3	487.7	473.2	487.7
47.5°	540.7	563.6	586.4	562.4	522.8	484.5	447.5	416.3	402.7	389.1	402.7
50°	499.2	517.6	535.9	508.8	466.5	428.0	393.4	363.7	348.7	333.7	348.7
52.5°	456.9	470.1	483.4	456.5	416.2	378.8	344.1	314.8	301.2	287.6	301.2
55°	391.5	398.3	405.1	380.2	344.8	310.6	277.6	250.6	241.2	231.8	241.2
57.5°	331.4	335.8	340.2	316.6	283.6	253.2	225.3	202.6	195.6	188.7	195.6
60°	295.3	298.3	301.3	277.3	244.4	217.0	195.2	177.5	171.9	166.4	171.9
62.5°	262.2	264.5	266.8	243.7	212.2	187.7	170.4	156.3	152.1	147.9	152.1
65°	215.4	217.6	219.7	200.1	173.1	153.0	139.8	129.1	126.1	123.1	126.1
67.5°	178.3	179.4	180.5	164.3	142.4	126.2	115.7	107.2	104.4	101.6	104.4
70°	156.8	157.2	157.6	143.3	124.1	109.8	100.3	92.8	90.6	88.5	90.6
72.5°	137.5	136.9	136.3	123.6	106.7	94.4	86.8	80.6	79.2	77.7	79.2
75°	108.7	107.4	106.1	95.5	81.9	72.5	67.3	63.3	62.4	61.6	62.4
77.5°	81.2	79.8	78.4	69.6	58.3	51.9	50.1	48.9	48.9	48.9	48.9
80°	63.5	61.8	60.1	53.2	44.7	40.4	40.4	40.4	40.4	40.4	40.4
82.5°	47.3	44.9	42.5	38.3	33.6	31.2	31.2	31.1	30.7	30.4	30.7
85°	23.1	20.9	18.8	18.3	18.3	17.0	14.4	12.2	10.9	9.6	10.9
87.5°	6.7	7.5	8.5	7.9	6.8	6.2	6.2	6.3	6.5	6.5	6.5
90°	2.9	6.7	11.5	15.4	18.3	19.2	19.2	20.2	21.1	21.1	21.1
92.5°	10.6	16.7	16.9	16.9	20.6	22.3	23.8	24.0	25.0	25.0	25.0
95°	29.8	32.7	49.0	48.0	32.7	25.9	22.1	22.1	22.1	22.1	22.1
97.5°	56.9	61.1	63.8	85.5	90.3	87.2	71.1	59.8	53.4	50.5	53.4
100°	80.7	82.6	88.4	89.4	113.4	136.4	124.9	110.5	105.7	102.8	105.7
102.5°	104.5	105.7	114.5	118.6	124.1	137.2	177.2	172.8	169.5	168.9	169.5
105°	140.3	141.2	157.6	165.3	169.1	169.1	168.1	187.4	218.1	224.8	218.1
107.5°	178.5	182.9	202.2	222.7	227.1	228.3	223.3	220.4	219.3	220.0	219.3
110°	204.7	211.4	234.4	260.4	267.1	269.0	267.1	264.2	262.3	262.3	262.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	230.0	239.8	266.0	295.7	307.1	312.8	308.6	306.5	304.6	306.1	304.6
115°	269.0	283.4	318.0	348.8	371.8	374.7	373.8	373.8	372.8	372.8	372.8
117.5°	305.2	328.2	367.0	402.8	429.5	437.2	441.0	439.9	438.7	440.6	438.7
120°	330.5	357.4	401.6	442.0	467.9	479.4	483.3	481.4	483.3	481.4	483.3
122.5°	357.4	390.5	433.9	475.8	506.3	519.4	524.0	524.4	524.8	523.6	524.8
125°	397.8	438.1	489.1	532.3	564.0	579.4	583.2	584.2	586.1	590.9	586.1
127.5°	438.5	484.2	540.2	581.9	614.3	633.0	638.9	641.0	645.1	647.2	645.1
130°	467.0	518.8	575.5	614.9	646.6	666.8	677.4	680.3	685.1	684.1	685.1
132.5°	496.9	551.1	608.6	649.5	678.9	700.6	709.7	717.9	719.6	721.0	719.6
135°	540.9	599.5	657.2	697.5	725.4	746.5	758.1	765.8	770.6	773.4	770.6
137.5°	587.2	649.1	704.5	740.4	768.5	786.7	799.8	807.8	812.8	815.1	812.8
140°	618.8	678.3	732.1	769.6	794.6	812.8	824.4	834.0	839.7	839.7	839.7
142.5°	648.7	707.5	759.8	797.3	819.2	835.9	848.2	855.5	862.0	862.0	862.0
145°	690.8	749.4	797.5	834.9	853.2	868.6	882.0	887.8	891.6	891.6	891.6
147.5°	734.8	786.7	830.5	866.5	881.8	899.9	910.5	915.1	919.9	917.8	919.9
150°	761.0	809.0	851.3	884.9	900.3	917.6	928.1	932.0	936.8	933.9	936.8
152.5°	786.3	832.1	870.5	901.8	914.9	932.2	944.3	948.1	951.4	949.3	951.4
155°	820.5	860.9	896.4	925.3	936.8	953.1	964.6	969.5	973.3	968.5	973.3
157.5°	851.1	885.9	916.8	943.3	955.6	969.6	980.4	986.4	990.2	988.1	990.2
160°	869.5	901.2	929.1	954.1	965.6	978.1	989.6	996.4	1000.2	997.3	1000.2
162.5°	884.9	913.5	939.9	962.5	972.5	983.5	997.3	1003.3	1007.1	1003.5	1007.1
165°	907.0	930.1	953.1	972.3	981.0	989.6	1004.0	1010.8	1013.7	1009.8	1013.7
167.5°	923.7	941.4	960.0	976.6	982.9	991.4	1005.8	1011.3	1015.0	1010.2	1015.0
170°	932.9	948.3	964.6	978.1	982.9	990.6	1005.0	1009.8	1012.7	1007.9	1012.7
172.5°	940.6	952.2	965.4	977.3	979.8	986.0	999.6	1004.4	1006.5	1002.5	1006.5
175°	948.3	955.0	964.6	972.3	971.4	975.2	986.7	990.6	994.4	988.7	994.4
177.5°	952.0	955.0	958.1	962.7	959.7	959.7	968.1	970.4	971.2	968.1	971.2
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5
2.5°	941.5	941.0	940.6	942.8	947.6	949.9	944.8	939.7	944.8	949.9	947.6
5°	947.5	945.8	944.9	946.8	951.5	953.3	946.0	938.7	946.0	953.3	951.5
7.5°	963.4	960.1	957.7	957.6	960.0	959.2	948.9	938.5	948.9	959.2	960.0
10°	964.3	962.4	962.0	962.7	964.4	962.6	950.2	937.8	950.2	962.6	964.4
12.5°	949.7	949.4	950.0	953.7	960.5	962.0	947.6	933.1	947.6	962.0	960.5
15°	927.7	926.2	924.9	931.8	946.7	953.7	936.6	919.5	936.6	953.7	946.7
17.5°	915.0	910.4	905.8	910.7	924.9	931.2	913.3	895.4	913.3	931.2	924.9
20°	908.8	902.5	896.5	899.3	910.8	915.1	897.6	880.1	897.6	915.1	910.8
22.5°	905.6	896.9	888.5	889.0	898.5	901.3	883.7	866.2	883.7	901.3	898.5
25°	905.0	891.6	877.5	872.8	877.5	877.2	861.8	846.4	861.8	877.2	877.5
27.5°	902.0	885.8	866.7	854.7	849.7	843.7	834.7	825.6	834.7	843.7	849.7
30°	888.5	875.2	858.6	843.8	831.0	819.9	813.9	807.9	813.9	819.9	831.0
32.5°	859.9	854.2	845.4	831.2	811.5	795.9	792.3	788.7	792.3	795.9	811.5
35°	804.0	811.1	818.0	808.6	782.9	762.9	759.9	756.9	759.9	762.9	782.9
37.5°	730.0	747.3	767.3	767.5	747.8	731.5	725.4	719.2	725.4	731.5	747.8
40°	669.6	694.7	724.7	734.1	723.0	712.1	701.8	691.5	701.8	712.1	723.0
42.5°	600.6	632.4	670.5	690.7	692.9	690.5	674.1	657.7	674.1	690.5	692.9
45°	502.3	537.0	578.5	611.4	635.8	648.5	626.2	604.0	626.2	648.5	635.8
47.5°	416.3	447.5	484.5	522.8	562.4	586.4	563.6	540.7	563.6	586.4	562.4
50°	363.7	393.4	428.0	466.5	508.8	535.9	517.6	499.2	517.6	535.9	508.8
52.5°	314.8	344.1	378.8	416.2	456.5	483.4	470.1	456.9	470.1	483.4	456.5
55°	250.6	277.6	310.6	344.8	380.2	405.1	398.3	391.5	398.3	405.1	380.2
57.5°	202.6	225.3	253.2	283.6	316.6	340.2	335.8	331.4	335.8	340.2	316.6
60°	177.5	195.2	217.0	244.4	277.3	301.3	298.3	295.3	298.3	301.3	277.3
62.5°	156.3	170.4	187.7	212.2	243.7	266.8	264.5	262.2	264.5	266.8	243.7
65°	129.1	139.8	153.0	173.1	200.1	219.7	217.6	215.4	217.6	219.7	200.1
67.5°	107.2	115.7	126.2	142.4	164.3	180.5	179.4	178.3	179.4	180.5	164.3
70°	92.8	100.3	109.8	124.1	143.3	157.6	157.2	156.8	157.2	157.6	143.3
72.5°	80.6	86.8	94.4	106.7	123.6	136.3	136.9	137.5	136.9	136.3	123.6
75°	63.3	67.3	72.5	81.9	95.5	106.1	107.4	108.7	107.4	106.1	95.5
77.5°	48.9	50.1	51.9	58.3	69.6	78.4	79.8	81.2	79.8	78.4	69.6
80°	40.4	40.4	40.4	44.7	53.2	60.1	61.8	63.5	61.8	60.1	53.2
82.5°	31.1	31.2	31.2	33.6	38.3	42.5	44.9	47.3	44.9	42.5	38.3
85°	12.2	14.4	17.0	18.3	18.3	18.8	20.9	23.1	20.9	18.8	18.3
87.5°	6.3	6.2	6.2	6.8	7.9	8.5	7.5	6.7	7.5	8.3	8.3
90°	20.2	19.2	19.2	18.3	15.4	11.5	6.7	2.9	6.7	10.6	17.3
92.5°	24.0	23.8	22.3	20.6	16.9	16.9	16.7	10.6	18.3	25.9	37.3
95°	22.1	22.1	25.9	32.7	48.0	49.0	32.7	29.8	42.3	59.6	74.9
97.5°	59.8	71.1	87.2	90.3	85.5	63.8	61.1	56.9	77.4	94.5	119.3
100°	110.5	124.9	136.4	113.4	89.4	88.4	82.6	80.7	102.8	119.1	143.2
102.5°	172.8	177.2	137.2	124.1	118.6	114.5	105.7	104.5	126.6	149.1	169.3
105°	187.4	168.1	169.1	169.1	165.3	157.6	141.2	140.3	165.3	191.2	216.2
107.5°	220.4	223.3	228.3	227.1	222.7	202.2	182.9	178.5	201.0	232.1	259.6
110°	264.2	267.1	269.0	267.1	260.4	234.4	211.4	204.7	224.8	257.5	287.3



TEST NUMBER: P1428230

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	306.5	308.6	312.8	307.1	295.7	266.0	239.8	230.0	250.2	283.6	314.2
115°	373.8	373.8	374.7	371.8	348.8	318.0	283.4	269.0	286.3	317.1	350.7
117.5°	439.9	441.0	437.2	429.5	402.8	367.0	328.2	305.2	318.8	351.3	385.9
120°	481.4	483.3	479.4	467.9	442.0	401.6	357.4	330.5	341.1	372.8	407.4
122.5°	524.4	524.0	519.4	506.3	475.8	433.9	390.5	357.4	361.8	391.2	425.1
125°	584.2	583.2	579.4	564.0	532.3	489.1	438.1	397.8	392.0	417.0	451.6
127.5°	641.0	638.9	633.0	614.3	581.9	540.2	484.2	438.5	425.6	441.4	473.1
130°	680.3	677.4	666.8	646.6	614.9	575.5	518.8	467.0	448.7	458.3	486.2
132.5°	717.9	709.7	700.6	678.9	649.5	608.6	551.1	496.9	471.8	476.0	497.7
135°	765.8	758.1	746.5	725.4	697.5	657.2	599.5	540.9	506.3	502.5	515.0
137.5°	807.8	799.8	786.7	768.5	740.4	704.5	649.1	587.2	543.6	530.7	535.6
140°	834.0	824.4	812.8	794.6	769.6	732.1	678.3	618.8	569.8	551.5	548.6
142.5°	855.5	848.2	835.9	819.2	797.3	759.8	707.5	648.7	596.7	573.0	566.3
145°	887.8	882.0	868.6	853.2	834.9	797.5	749.4	690.8	638.9	608.2	593.8
147.5°	915.1	910.5	899.9	881.8	866.5	830.5	786.7	734.8	681.6	643.5	624.9
150°	932.0	928.1	917.6	900.3	884.9	851.3	809.0	761.0	710.0	669.7	645.7
152.5°	948.1	944.3	932.2	914.9	901.8	870.5	832.1	786.3	734.6	694.3	669.5
155°	969.5	964.6	953.1	936.8	925.3	896.4	860.9	820.5	776.3	734.1	706.2
157.5°	986.4	980.4	969.6	955.6	943.3	916.8	885.9	851.1	812.5	772.1	743.7
160°	996.4	989.6	978.1	965.6	954.1	929.1	901.2	869.5	834.0	797.5	766.7
162.5°	1003.3	997.3	983.5	972.5	962.5	939.9	913.5	884.9	853.2	821.3	792.9
165°	1010.8	1004.0	989.6	981.0	972.3	953.1	930.1	907.0	880.1	854.2	831.1
167.5°	1011.3	1005.8	991.4	982.9	976.6	960.0	941.4	923.7	902.8	882.4	863.2
170°	1009.8	1005.0	990.6	982.9	978.1	964.6	948.3	932.9	916.6	899.3	883.9
172.5°	1004.4	999.6	986.0	979.8	977.3	965.4	952.2	940.6	926.6	913.9	901.6
175°	990.6	986.7	975.2	971.4	972.3	964.6	955.0	948.3	939.7	932.0	925.3
177.5°	970.4	968.1	959.7	959.7	962.7	958.1	955.0	952.0	948.1	945.8	943.5
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1428230

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5
2.5°	942.8	940.6	941.0	941.5	942.5	943.5	942.5	941.5	941.0	940.6	942.8
5°	946.8	944.9	945.8	947.5	951.8	956.0	951.8	947.5	945.8	944.9	946.8
7.5°	957.6	957.7	960.1	963.4	969.1	974.7	969.1	963.4	960.1	957.7	957.6
10°	962.7	962.0	962.4	964.3	970.2	976.2	970.2	964.3	962.4	962.0	962.7
12.5°	953.7	950.0	949.4	949.7	953.0	956.2	953.0	949.7	949.4	950.0	953.7
15°	931.8	924.9	926.2	927.7	929.9	932.0	929.9	927.7	926.2	924.9	931.8
17.5°	910.7	905.8	910.4	915.0	919.1	923.3	919.1	915.0	910.4	905.8	910.7
20°	899.3	896.5	902.5	908.8	916.1	923.3	916.1	908.8	902.5	896.5	899.3
22.5°	889.0	888.5	896.9	905.6	915.6	925.6	915.6	905.6	896.9	888.5	889.0
25°	872.8	877.5	891.6	905.0	916.1	927.2	916.1	905.0	891.6	877.5	872.8
27.5°	854.7	866.7	885.8	902.0	909.8	917.6	909.8	902.0	885.8	866.7	854.7
30°	843.8	858.6	875.2	888.5	891.5	894.5	891.5	888.5	875.2	858.6	843.8
32.5°	831.2	845.4	854.2	859.9	856.0	852.2	856.0	859.9	854.2	845.4	831.2
35°	808.6	818.0	811.1	804.0	795.8	787.7	795.8	804.0	811.1	818.0	808.6
37.5°	767.5	767.3	747.3	730.0	720.7	711.4	720.7	730.0	747.3	767.3	767.5
40°	734.1	724.7	694.7	669.6	658.9	648.3	658.9	669.6	694.7	724.7	734.1
42.5°	690.7	670.5	632.4	600.6	587.5	574.4	587.5	600.6	632.4	670.5	690.7
45°	611.4	578.5	537.0	502.3	487.7	473.2	487.7	502.3	537.0	578.5	611.4
47.5°	522.8	484.5	447.5	416.3	402.7	389.1	402.7	416.3	447.5	484.5	522.8
50°	466.5	428.0	393.4	363.7	348.7	333.7	348.7	363.7	393.4	428.0	466.5
52.5°	416.2	378.8	344.1	314.8	301.2	287.6	301.2	314.8	344.1	378.8	416.2
55°	344.8	310.6	277.6	250.6	241.2	231.8	241.2	250.6	277.6	310.6	344.8
57.5°	283.6	253.2	225.3	202.6	195.6	188.7	195.6	202.6	225.3	253.2	283.6
60°	244.4	217.0	195.2	177.5	171.9	166.4	171.9	177.5	195.2	217.0	244.4
62.5°	212.2	187.7	170.4	156.3	152.1	147.9	152.1	156.3	170.4	187.7	212.2
65°	173.1	153.0	139.8	129.1	126.1	123.1	126.1	129.1	139.8	153.0	173.1
67.5°	142.4	126.2	115.7	107.2	104.4	101.6	104.4	107.2	115.7	126.2	142.4
70°	124.1	109.8	100.3	92.8	90.6	88.5	90.6	92.8	100.3	109.8	124.1
72.5°	106.7	94.4	86.8	80.6	79.2	77.7	79.2	80.6	86.8	94.4	106.7
75°	81.9	72.5	67.3	63.3	62.4	61.6	62.4	63.3	67.3	72.5	81.9
77.5°	58.3	51.9	50.1	48.9	48.9	48.9	48.9	48.9	50.1	51.9	58.3
80°	44.7	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	44.7
82.5°	33.6	31.2	31.2	31.1	30.7	30.4	30.7	31.1	31.2	31.2	33.6
85°	18.3	17.0	14.4	12.2	10.9	9.6	10.9	12.2	14.4	17.0	18.3
87.5°	7.6	8.1	9.4	10.2	11.0	10.6	11.0	10.2	9.4	8.1	7.6
90°	22.1	28.8	35.5	39.4	43.2	41.3	43.2	39.4	35.5	28.8	22.1
92.5°	44.4	55.7	64.0	70.9	74.0	73.6	74.0	70.9	64.0	55.7	44.4
95°	89.4	102.8	116.3	125.9	131.6	129.7	131.6	125.9	116.3	102.8	89.4
97.5°	137.8	155.8	170.8	179.9	185.6	189.5	185.6	179.9	170.8	155.8	137.8
100°	170.1	187.4	204.7	215.2	224.8	228.7	224.8	215.2	204.7	187.4	170.1
102.5°	196.2	218.9	237.7	249.0	257.1	261.0	257.1	249.0	237.7	218.9	196.2
105°	239.2	263.3	283.4	297.8	306.5	309.4	306.5	297.8	283.4	263.3	239.2
107.5°	282.3	307.1	325.7	341.7	352.2	358.4	352.2	341.7	325.7	307.1	282.3
110°	316.1	336.3	356.5	370.9	381.4	385.3	381.4	370.9	356.5	336.3	316.1



TEST NUMBER: P1428230

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	344.5	367.0	387.2	401.6	413.7	419.1	413.7	401.6	387.2	367.0	344.5
115°	384.3	414.1	432.4	445.8	454.5	459.3	454.5	445.8	432.4	414.1	384.3
117.5°	417.4	448.5	468.5	478.9	482.9	486.4	482.9	478.9	468.5	448.5	417.4
120°	438.1	467.0	490.0	503.5	508.3	510.2	508.3	503.5	490.0	467.0	438.1
122.5°	457.3	484.6	506.9	523.4	531.3	533.2	531.3	523.4	506.9	484.6	457.3
125°	484.2	510.2	533.2	549.6	558.2	563.0	558.2	549.6	533.2	510.2	484.2
127.5°	507.7	535.7	556.9	571.7	580.1	584.0	580.1	571.7	556.9	535.7	507.7
130°	520.8	549.6	570.7	587.1	594.7	598.6	594.7	587.1	570.7	549.6	520.8
132.5°	530.7	561.1	583.0	597.8	606.3	610.1	606.3	597.8	583.0	561.1	530.7
135°	542.9	574.6	597.6	612.0	619.7	623.6	619.7	612.0	597.6	574.6	542.9
137.5°	553.4	582.2	606.3	621.4	628.4	630.9	628.4	621.4	606.3	582.2	553.4
140°	561.1	586.1	610.1	624.5	632.2	633.2	632.2	624.5	610.1	586.1	561.1
142.5°	571.1	590.7	611.6	626.1	633.7	635.5	633.7	626.1	611.6	590.7	571.1
145°	589.0	600.5	614.9	628.4	635.1	637.0	635.1	628.4	614.9	600.5	589.0
147.5°	611.5	615.1	622.6	631.4	638.0	639.3	638.0	631.4	622.6	615.1	611.5
150°	628.4	627.4	630.3	636.1	641.8	640.9	641.8	636.1	630.3	627.4	628.4
152.5°	647.6	642.0	641.8	644.5	647.2	647.0	647.2	644.5	641.8	642.0	647.6
155°	680.3	669.7	663.9	662.0	662.0	661.0	662.0	662.0	663.9	669.7	680.3
157.5°	716.2	701.4	692.7	688.1	686.8	684.7	686.8	688.1	692.7	701.4	716.2
160°	740.8	724.4	715.8	708.1	705.2	702.3	705.2	708.1	715.8	724.4	740.8
162.5°	763.8	748.3	738.9	731.9	729.1	724.6	729.1	731.9	738.9	748.3	763.8
165°	801.3	785.0	774.4	768.6	764.8	761.0	764.8	768.6	774.4	785.0	801.3
167.5°	838.8	820.9	814.0	807.5	803.8	796.9	803.8	807.5	814.0	820.9	838.8
170°	861.8	845.5	841.7	835.9	829.2	821.5	829.2	835.9	841.7	845.5	861.8
172.5°	881.8	870.9	867.0	861.3	859.2	853.0	859.2	861.3	867.0	870.9	881.8
175°	910.8	902.2	902.2	901.2	898.4	892.6	898.4	901.2	902.2	902.2	910.8
177.5°	935.1	930.4	933.5	933.5	932.8	927.4	932.8	933.5	933.5	930.4	935.1
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1428230

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	943.5	943.5	943.5	943.5
2.5°	947.6	949.9	944.8	939.7
5°	951.5	953.3	946.0	938.7
7.5°	960.0	959.2	948.9	938.5
10°	964.4	962.6	950.2	937.8
12.5°	960.5	962.0	947.6	933.1
15°	946.7	953.7	936.6	919.5
17.5°	924.9	931.2	913.3	895.4
20°	910.8	915.1	897.6	880.1
22.5°	898.5	901.3	883.7	866.2
25°	877.5	877.2	861.8	846.4
27.5°	849.7	843.7	834.7	825.6
30°	831.0	819.9	813.9	807.9
32.5°	811.5	795.9	792.3	788.7
35°	782.9	762.9	759.9	756.9
37.5°	747.8	731.5	725.4	719.2
40°	723.0	712.1	701.8	691.5
42.5°	692.9	690.5	674.1	657.7
45°	635.8	648.5	626.2	604.0
47.5°	562.4	586.4	563.6	540.7
50°	508.8	535.9	517.6	499.2
52.5°	456.5	483.4	470.1	456.9
55°	380.2	405.1	398.3	391.5
57.5°	316.6	340.2	335.8	331.4
60°	277.3	301.3	298.3	295.3
62.5°	243.7	266.8	264.5	262.2
65°	200.1	219.7	217.6	215.4
67.5°	164.3	180.5	179.4	178.3
70°	143.3	157.6	157.2	156.8
72.5°	123.6	136.3	136.9	137.5
75°	95.5	106.1	107.4	108.7
77.5°	69.6	78.4	79.8	81.2
80°	53.2	60.1	61.8	63.5
82.5°	38.3	42.5	44.9	47.3
85°	18.3	18.8	20.9	23.1
87.5°	8.3	8.3	7.5	6.7
90°	17.3	10.6	6.7	2.9
92.5°	37.3	25.9	18.3	10.6
95°	74.9	59.6	42.3	29.8
97.5°	119.3	94.5	77.4	56.9
100°	143.2	119.1	102.8	80.7
102.5°	169.3	149.1	126.6	104.5
105°	216.2	191.2	165.3	140.3
107.5°	259.6	232.1	201.0	178.5
110°	287.3	257.5	224.8	204.7

TEST NUMBER: P1428230

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	314.2	283.6	250.2	230.0
115°	350.7	317.1	286.3	269.0
117.5°	385.9	351.3	318.8	305.2
120°	407.4	372.8	341.1	330.5
122.5°	425.1	391.2	361.8	357.4
125°	451.6	417.0	392.0	397.8
127.5°	473.1	441.4	425.6	438.5
130°	486.2	458.3	448.7	467.0
132.5°	497.7	476.0	471.8	496.9
135°	515.0	502.5	506.3	540.9
137.5°	535.6	530.7	543.6	587.2
140°	548.6	551.5	569.8	618.8
142.5°	566.3	573.0	596.7	648.7
145°	593.8	608.2	638.9	690.8
147.5°	624.9	643.5	681.6	734.8
150°	645.7	669.7	710.0	761.0
152.5°	669.5	694.3	734.6	786.3
155°	706.2	734.1	776.3	820.5
157.5°	743.7	772.1	812.5	851.1
160°	766.7	797.5	834.0	869.5
162.5°	792.9	821.3	853.2	884.9
165°	831.1	854.2	880.1	907.0
167.5°	863.2	882.4	902.8	923.7
170°	883.9	899.3	916.6	932.9
172.5°	901.6	913.9	926.6	940.6
175°	925.3	932.0	939.7	948.3
177.5°	943.5	945.8	948.1	952.0
180°	951.2	951.2	951.2	951.2

TEST NUMBER: P1428230
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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	15.65	16.43	16.65	17.44	18.79	12.02	12.80	13.02	13.81	15.16
	3H	16.85	17.55	17.87	18.57	19.93	13.17	13.87	14.19	14.89	16.26
	4H	17.33	17.99	18.36	19.01	20.39	13.63	14.29	14.66	15.32	16.69
	6H	17.62	18.23	18.66	19.26	20.64	13.97	14.58	15.01	15.61	16.99
	8H	17.72	18.30	18.77	19.35	20.73	14.11	14.68	15.15	15.73	17.11
	12H	17.76	18.31	18.81	19.35	20.75	14.13	14.68	15.18	15.72	17.13
4H	2H	15.74	16.40	16.78	17.43	18.80	12.72	13.38	13.75	14.40	15.78
	3H	17.19	17.74	18.24	18.79	20.18	14.07	14.61	15.11	15.67	17.05
	4H	17.82	18.32	18.87	19.36	20.77	14.61	15.11	15.66	16.15	17.56
	6H	18.25	18.68	19.31	19.74	21.15	15.04	15.47	16.10	16.54	17.94
	8H	18.40	18.81	19.47	19.87	21.28	15.22	15.62	16.28	16.68	18.10
	12H	18.47	18.83	19.54	19.90	21.33	15.26	15.63	16.34	16.70	18.12
8H	4H	17.84	18.24	18.90	19.30	20.72	14.93	15.33	15.99	16.39	17.81
	6H	18.37	18.70	19.45	19.80	21.22	15.47	15.80	16.55	16.90	18.32
	8H	18.60	18.89	19.69	19.98	21.41	15.73	16.02	16.82	17.11	18.54
	12H	18.72	18.98	19.81	20.06	21.53	15.82	16.08	16.91	17.16	18.63
12H	4H	17.79	18.16	18.87	19.23	20.65	14.95	15.31	16.02	16.38	17.81
	6H	18.36	18.65	19.45	19.74	21.17	15.54	15.83	16.63	16.92	18.35
	8H	18.61	18.86	19.70	19.94	21.42	15.83	16.08	16.92	17.16	18.64