

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: P1427847

Luminaire Tested: SQ2W-PH1-K-025U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427847
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PH1-K-025U-050D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

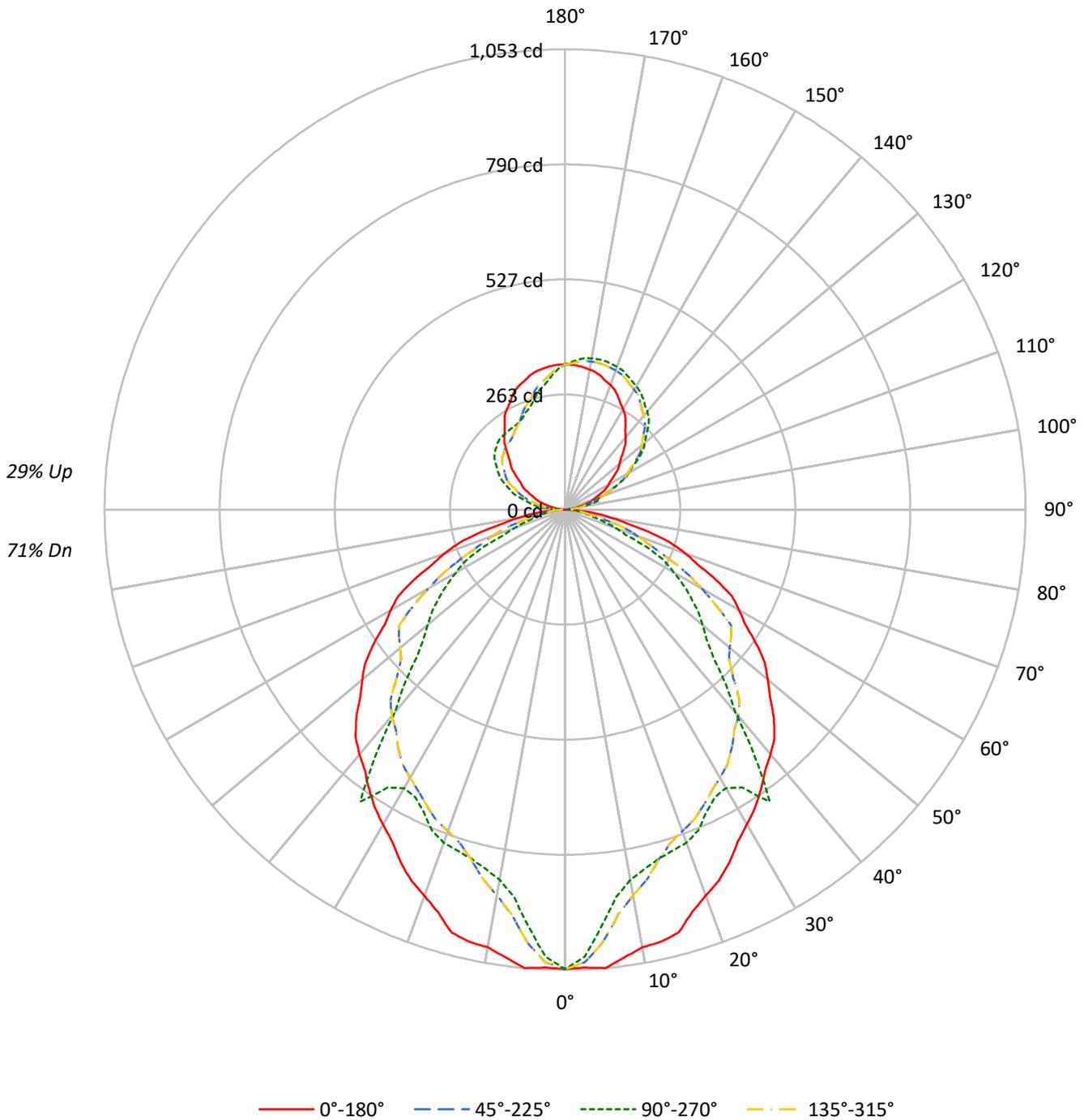
Lumens per Lamp: N/A
Luminaire Lumens: 3293.2 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 25.3
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





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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	112	112	112	112	106	106	106	106	95	95	95	84	84	84	75	75	75	71
1	103	98	94	91	97	93	90	87	84	81	79	75	73	71	67	65	64	60
2	94	86	80	75	88	82	76	72	74	69	66	66	63	60	59	57	54	51
3	86	76	68	63	81	72	65	60	65	60	55	59	54	51	53	49	46	43
4	78	67	59	53	74	64	57	51	58	52	47	52	48	44	47	43	40	37
5	72	60	52	46	68	57	50	44	52	46	41	47	42	38	42	38	35	32
6	67	54	46	40	63	52	44	39	47	41	36	43	37	33	39	34	31	28
7	62	49	41	35	58	47	39	34	43	36	32	39	34	30	35	31	27	25
8	57	45	37	31	54	43	35	30	39	33	28	36	30	27	32	28	25	23
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	26	22	20
10	50	38	30	25	47	36	29	25	33	27	23	30	25	22	28	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16969	16969	16969	16969
5°	17066	15510	17066	15510
10°	16673	14099	16673	14099
15°	16749	13823	16749	13823
20°	16151	13934	16151	13934
25°	15855	13610	15855	13610
30°	15511	13721	15511	13721
35°	15394	16083	15394	16083
40°	15407	12751	15407	12751
45°	15412	10983	15412	10983
50°	15196	10298	15196	10298
55°	15003	9880	15003	9880
60°	14854	9268	14854	9268
65°	14594	8061	14594	8061
70°	13784	5759	13784	5759
75°	12289	4367	12289	4367
80°	10042	4091	10042	4091
85°	6298	2779	6298	2779

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15412 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	2.8
10°-20°	243.3	7.4
20°-30°	356.6	10.8
30°-40°	431.8	13.1
40°-50°	424.7	12.9
50°-60°	369.4	11.2
60°-70°	256.9	7.8
70°-80°	121.8	3.7
80°-90°	28.2	0.9
90°-100°	26.4	0.8
100°-110°	76.9	2.3
110°-120°	125.6	3.8
120°-130°	159.3	4.8
130°-140°	170.5	5.2
140°-150°	159.2	4.8
150°-160°	131.0	4.0
160°-170°	87.9	2.7
170°-180°	31.2	0.9
0°-30°	692.4	21.0
0°-40°	1124.2	34.1
0°-60°	1918.3	58.2
0°-90°	2325.2	70.6
90°-120°	228.9	7.0
90°-150°	717.9	21.8
90°-180°	968.0	29.4
0°-180°	3293.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1051	1051	1051	1051	1051	
5°	1053	957	1053	957	1053	99
15°	1002	827	1002	827	1002	279
25°	890	764	890	764	890	409
35°	781	816	781	816	781	489
45°	675	481	675	481	675	519
55°	533	351	533	351	533	476
65°	382	211	382	211	382	375
75°	197	70	197	70	197	209
85°	34	15	34	15	34	46
90°	1	7	1	14	1	2
95°	10	8	10	45	10	13
105°	49	78	49	108	49	52
115°	94	130	94	160	94	92
125°	139	206	139	196	139	124
135°	188	270	188	217	188	146
145°	241	311	241	222	241	151
155°	286	338	286	230	286	131
165°	316	352	316	265	316	89
175°	330	345	330	311	330	31
180°	332	332	332	332	332	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0
2.5°	1048.6	1053.6	1058.6	1051.5	1040.5	1032.9	1028.6	1025.2	1024.5	1023.8	1024.5
5°	1053.0	1052.6	1052.1	1031.3	1003.8	983.1	969.3	958.8	957.9	957.0	957.9
7.5°	1033.8	1020.0	1006.3	978.3	945.7	921.8	906.6	895.0	894.3	893.6	894.3
10°	1017.0	996.1	975.2	943.7	908.6	884.1	870.3	860.0	860.0	860.0	860.0
12.5°	1013.0	980.0	947.1	912.5	877.4	854.7	844.5	837.3	839.5	841.6	839.5
15°	1002.0	952.2	902.5	867.3	837.1	820.7	818.0	817.2	822.1	827.0	822.1
17.5°	965.6	912.0	858.4	827.5	804.3	795.5	801.1	806.8	812.5	818.2	812.5
20°	940.0	887.1	834.2	805.7	785.2	780.3	791.0	800.3	805.7	811.0	805.7
22.5°	918.4	864.8	811.2	785.9	770.1	768.1	779.8	789.3	792.2	795.0	792.2
25°	890.0	829.6	769.1	750.7	746.2	749.1	759.3	766.7	765.3	764.0	765.3
27.5°	856.0	792.9	729.8	717.9	723.2	728.9	735.1	740.0	740.8	741.6	740.8
30°	832.0	768.9	705.8	696.3	704.8	712.1	718.3	724.5	730.2	736.0	730.2
32.5°	808.8	743.6	678.3	671.5	684.2	698.0	712.7	727.1	740.4	753.6	740.4
35°	781.0	713.0	645.0	639.7	655.2	675.2	699.7	728.9	772.5	816.0	772.5
37.5°	751.8	678.9	606.0	603.6	624.7	645.7	666.8	686.1	699.9	713.8	699.9
40°	731.0	654.6	578.1	578.0	603.3	629.6	656.7	669.0	637.0	605.0	637.0
42.5°	708.6	632.2	555.7	553.5	576.0	604.8	640.1	653.1	599.0	545.0	599.0
45°	675.0	595.4	515.9	513.0	535.7	551.7	561.0	558.3	519.7	481.0	519.7
47.5°	635.4	559.6	483.8	483.1	507.6	509.4	488.5	469.0	453.9	438.8	453.9
50°	605.0	533.4	461.9	465.0	493.0	490.3	457.0	429.6	419.8	410.0	419.8
52.5°	575.4	507.4	439.4	447.7	481.4	476.0	431.7	396.8	390.2	383.6	390.2
55°	533.0	467.7	402.3	421.0	467.7	460.6	399.7	353.7	352.3	351.0	352.3
57.5°	488.0	426.2	364.4	377.4	415.3	407.8	355.0	316.0	318.3	320.6	318.3
60°	460.0	400.0	340.0	341.7	363.9	356.8	320.3	292.3	289.7	287.0	289.7
62.5°	430.4	373.2	316.1	307.8	315.8	307.4	282.7	263.5	260.9	258.2	260.9
65°	382.0	330.0	278.0	262.3	258.8	246.8	226.3	211.0	211.0	211.0	211.0
67.5°	328.8	283.5	238.1	220.6	212.3	200.4	184.9	170.5	159.9	149.2	159.9
70°	292.0	252.0	212.0	193.7	182.6	168.3	151.0	136.2	129.1	122.0	129.1
72.5°	252.8	218.5	184.2	165.4	151.8	137.9	123.8	111.2	103.0	94.8	103.0
75°	197.0	169.4	141.9	123.7	108.6	94.6	81.7	71.8	70.9	70.0	70.9
77.5°	142.4	122.3	102.2	87.5	74.5	64.8	58.3	53.4	53.5	53.6	53.5
80°	108.0	92.9	77.8	64.0	50.7	43.8	43.3	43.1	43.6	44.0	43.6
82.5°	76.0	64.8	53.6	44.8	36.8	33.1	33.7	34.2	34.3	34.4	34.3
85°	34.0	28.7	23.3	21.3	20.4	19.1	17.3	15.9	15.4	15.0	15.4
87.5°	7.4	7.3	7.3	6.7	5.8	5.3	5.3	5.4	5.5	5.5	5.5
90°	1.0	2.3	4.0	5.4	6.4	6.7	6.7	7.0	7.4	7.4	7.4
92.5°	3.7	5.8	5.9	5.9	7.2	7.8	8.3	8.4	8.7	8.7	8.7
95°	10.4	11.4	17.1	16.7	11.4	9.0	7.7	7.7	7.7	7.7	7.7
97.5°	19.8	21.3	22.2	29.8	31.5	30.4	24.8	20.8	18.6	17.6	18.6
100°	28.1	28.8	30.8	31.1	39.5	47.6	43.5	38.5	36.8	35.8	36.8
102.5°	36.4	36.8	39.9	41.3	43.3	47.8	61.8	60.2	59.1	58.9	59.1
105°	48.9	49.2	54.9	57.6	58.9	58.9	58.6	65.3	76.0	78.4	76.0
107.5°	62.2	63.8	70.5	77.6	79.2	79.6	77.8	76.8	76.4	76.7	76.4
110°	71.3	73.7	81.7	90.8	93.1	93.8	93.1	92.1	91.4	91.4	91.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	80.2	83.6	92.7	103.1	107.0	109.0	107.6	106.8	106.2	106.7	106.2
115°	93.8	98.8	110.8	121.6	129.6	130.6	130.3	130.3	129.9	129.9	129.9
117.5°	106.4	114.4	127.9	140.4	149.7	152.4	153.7	153.3	152.9	153.6	152.9
120°	115.2	124.6	140.0	154.0	163.1	167.1	168.4	167.8	168.4	167.8	168.4
122.5°	124.6	136.1	151.2	165.8	176.5	181.0	182.6	182.8	182.9	182.5	182.9
125°	138.6	152.7	170.5	185.5	196.6	201.9	203.3	203.6	204.3	206.0	204.3
127.5°	152.8	168.8	188.3	202.8	214.1	220.6	222.7	223.4	224.8	225.6	224.8
130°	162.8	180.8	200.6	214.3	225.4	232.4	236.1	237.1	238.8	238.4	238.8
132.5°	173.2	192.1	212.1	226.4	236.6	244.2	247.3	250.2	250.8	251.3	250.8
135°	188.5	209.0	229.1	243.1	252.8	260.2	264.2	266.9	268.6	269.6	268.6
137.5°	204.7	226.2	245.5	258.1	267.8	274.2	278.8	281.6	283.3	284.1	283.3
140°	215.7	236.4	255.2	268.2	276.9	283.3	287.3	290.7	292.7	292.7	292.7
142.5°	226.1	246.6	264.8	277.9	285.5	291.3	295.6	298.2	300.5	300.5	300.5
145°	240.8	261.2	277.9	291.0	297.4	302.7	307.4	309.4	310.8	310.8	310.8
147.5°	256.1	274.2	289.5	302.0	307.4	313.6	317.3	318.9	320.6	319.9	320.6
150°	265.2	282.0	296.7	308.4	313.8	319.8	323.5	324.8	326.5	325.5	326.5
152.5°	274.1	290.0	303.4	314.3	318.9	324.9	329.1	330.5	331.6	330.9	331.6
155°	286.0	300.1	312.4	322.5	326.5	332.2	336.2	337.9	339.2	337.6	339.2
157.5°	296.6	308.8	319.5	328.8	333.1	338.0	341.7	343.8	345.1	344.4	345.1
160°	303.1	314.1	323.8	332.5	336.6	340.9	344.9	347.3	348.6	347.6	348.6
162.5°	308.4	318.4	327.6	335.5	339.0	342.8	347.6	349.7	351.0	349.7	351.0
165°	316.1	324.2	332.2	338.9	341.9	344.9	349.9	352.3	353.3	352.0	353.3
167.5°	322.0	328.1	334.6	340.4	342.6	345.5	350.6	352.5	353.8	352.1	353.8
170°	325.2	330.5	336.2	340.9	342.6	345.3	350.3	352.0	353.0	351.3	353.0
172.5°	327.8	331.9	336.5	340.6	341.5	343.7	348.4	350.1	350.8	349.4	350.8
175°	330.5	332.9	336.2	338.9	338.6	339.9	343.9	345.3	346.6	344.6	346.6
177.5°	331.8	332.9	333.9	335.5	334.5	334.5	337.4	338.2	338.5	337.4	338.5
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0
2.5°	1025.2	1028.6	1032.9	1040.5	1051.5	1058.6	1053.6	1048.6	1053.6	1058.6	1051.5
5°	958.8	969.3	983.1	1003.8	1031.3	1052.1	1052.6	1053.0	1052.6	1052.1	1031.3
7.5°	895.0	906.6	921.8	945.7	978.3	1006.3	1020.0	1033.8	1020.0	1006.3	978.3
10°	860.0	870.3	884.1	908.6	943.7	975.2	996.1	1017.0	996.1	975.2	943.7
12.5°	837.3	844.5	854.7	877.4	912.5	947.1	980.0	1013.0	980.0	947.1	912.5
15°	817.2	818.0	820.7	837.1	867.3	902.5	952.2	1002.0	952.2	902.5	867.3
17.5°	806.8	801.1	795.5	804.3	827.5	858.4	912.0	965.6	912.0	858.4	827.5
20°	800.3	791.0	780.3	785.2	805.7	834.2	887.1	940.0	887.1	834.2	805.7
22.5°	789.3	779.8	768.1	770.1	785.9	811.2	864.8	918.4	864.8	811.2	785.9
25°	766.7	759.3	749.1	746.2	750.7	769.1	829.6	890.0	829.6	769.1	750.7
27.5°	740.0	735.1	728.9	723.2	717.9	729.8	792.9	856.0	792.9	729.8	717.9
30°	724.5	718.3	712.1	704.8	696.3	705.8	768.9	832.0	768.9	705.8	696.3
32.5°	727.1	712.7	698.0	684.2	671.5	678.3	743.6	808.8	743.6	678.3	671.5
35°	728.9	699.7	675.2	655.2	639.7	645.0	713.0	781.0	713.0	645.0	639.7
37.5°	686.1	666.8	645.7	624.7	603.6	606.0	678.9	751.8	678.9	606.0	603.6
40°	669.0	656.7	629.6	603.3	578.0	578.1	654.6	731.0	654.6	578.1	578.0
42.5°	653.1	640.1	604.8	576.0	553.5	555.7	632.2	708.6	632.2	555.7	553.5
45°	558.3	561.0	551.7	535.7	513.0	515.9	595.4	675.0	595.4	515.9	513.0
47.5°	469.0	488.5	509.4	507.6	483.1	483.8	559.6	635.4	559.6	483.8	483.1
50°	429.6	457.0	490.3	493.0	465.0	461.9	533.4	605.0	533.4	461.9	465.0
52.5°	396.8	431.7	476.0	481.4	447.7	439.4	507.4	575.4	507.4	439.4	447.7
55°	353.7	399.7	460.6	467.7	421.0	402.3	467.7	533.0	467.7	402.3	421.0
57.5°	316.0	355.0	407.8	415.3	377.4	364.4	426.2	488.0	426.2	364.4	377.4
60°	292.3	320.3	356.8	363.9	341.7	340.0	400.0	460.0	400.0	340.0	341.7
62.5°	263.5	282.7	307.4	315.8	307.8	316.1	373.2	430.4	373.2	316.1	307.8
65°	211.0	226.3	246.8	258.8	262.3	278.0	330.0	382.0	330.0	278.0	262.3
67.5°	170.5	184.9	200.4	212.3	220.6	238.1	283.5	328.8	283.5	238.1	220.6
70°	136.2	151.0	168.3	182.6	193.7	212.0	252.0	292.0	252.0	212.0	193.7
72.5°	111.2	123.8	137.9	151.8	165.4	184.2	218.5	252.8	218.5	184.2	165.4
75°	71.8	81.7	94.6	108.6	123.7	141.9	169.4	197.0	169.4	141.9	123.7
77.5°	53.4	58.3	64.8	74.5	87.5	102.2	122.3	142.4	122.3	102.2	87.5
80°	43.1	43.3	43.8	50.7	64.0	77.8	92.9	108.0	92.9	77.8	64.0
82.5°	34.2	33.7	33.1	36.8	44.8	53.6	64.8	76.0	64.8	53.6	44.8
85°	15.9	17.3	19.1	20.4	21.3	23.3	28.7	34.0	28.7	23.3	21.3
87.5°	5.4	5.3	5.3	5.8	6.7	7.3	7.3	7.4	7.3	7.2	6.8
90°	7.0	6.7	6.7	6.4	5.4	4.0	2.3	1.0	2.3	3.7	6.0
92.5°	8.4	8.3	7.8	7.2	5.9	5.9	5.8	3.7	6.4	9.0	13.0
95°	7.7	7.7	9.0	11.4	16.7	17.1	11.4	10.4	14.7	20.8	26.1
97.5°	20.8	24.8	30.4	31.5	29.8	22.2	21.3	19.8	27.0	33.0	41.6
100°	38.5	43.5	47.6	39.5	31.1	30.8	28.8	28.1	35.8	41.5	49.9
102.5°	60.2	61.8	47.8	43.3	41.3	39.9	36.8	36.4	44.1	52.0	59.0
105°	65.3	58.6	58.9	58.9	57.6	54.9	49.2	48.9	57.6	66.6	75.3
107.5°	76.8	77.8	79.6	79.2	77.6	70.5	63.8	62.2	70.1	80.9	90.5
110°	92.1	93.1	93.8	93.1	90.8	81.7	73.7	71.3	78.4	89.7	100.1



TEST NUMBER: P1427847

CATALOG NUMBER: SQ2W-PH1-K-025U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	106.8	107.6	109.0	107.0	103.1	92.7	83.6	80.2	87.2	98.9	109.5
115°	130.3	130.3	130.6	129.6	121.6	110.8	98.8	93.8	99.8	110.5	122.2
117.5°	153.3	153.7	152.4	149.7	140.4	127.9	114.4	106.4	111.1	122.4	134.5
120°	167.8	168.4	167.1	163.1	154.0	140.0	124.6	115.2	118.9	129.9	142.0
122.5°	182.8	182.6	181.0	176.5	165.8	151.2	136.1	124.6	126.1	136.4	148.2
125°	203.6	203.3	201.9	196.6	185.5	170.5	152.7	138.6	136.6	145.3	157.4
127.5°	223.4	222.7	220.6	214.1	202.8	188.3	168.8	152.8	148.4	153.8	164.9
130°	237.1	236.1	232.4	225.4	214.3	200.6	180.8	162.8	156.4	159.7	169.4
132.5°	250.2	247.3	244.2	236.6	226.4	212.1	192.1	173.2	164.4	165.9	173.5
135°	266.9	264.2	260.2	252.8	243.1	229.1	209.0	188.5	176.5	175.1	179.5
137.5°	281.6	278.8	274.2	267.8	258.1	245.5	226.2	204.7	189.5	185.0	186.7
140°	290.7	287.3	283.3	276.9	268.2	255.2	236.4	215.7	198.6	192.2	191.2
142.5°	298.2	295.6	291.3	285.5	277.9	264.8	246.6	226.1	208.0	199.7	197.4
145°	309.4	307.4	302.7	297.4	291.0	277.9	261.2	240.8	222.7	212.0	207.0
147.5°	318.9	317.3	313.6	307.4	302.0	289.5	274.2	256.1	237.6	224.3	217.8
150°	324.8	323.5	319.8	313.8	308.4	296.7	282.0	265.2	247.5	233.4	225.0
152.5°	330.5	329.1	324.9	318.9	314.3	303.4	290.0	274.1	256.0	242.0	233.3
155°	337.9	336.2	332.2	326.5	322.5	312.4	300.1	286.0	270.6	255.8	246.1
157.5°	343.8	341.7	338.0	333.1	328.8	319.5	308.8	296.6	283.2	269.1	259.2
160°	347.3	344.9	340.9	336.6	332.5	323.8	314.1	303.1	290.7	277.9	267.2
162.5°	349.7	347.6	342.8	339.0	335.5	327.6	318.4	308.4	297.4	286.3	276.3
165°	352.3	349.9	344.9	341.9	338.9	332.2	324.2	316.1	306.7	297.7	289.7
167.5°	352.5	350.6	345.5	342.6	340.4	334.6	328.1	322.0	314.7	307.6	300.9
170°	352.0	350.3	345.3	342.6	340.9	336.2	330.5	325.2	319.5	313.4	308.1
172.5°	350.1	348.4	343.7	341.5	340.6	336.5	331.9	327.8	323.0	318.5	314.3
175°	345.3	343.9	339.9	338.6	338.9	336.2	332.9	330.5	327.5	324.8	322.5
177.5°	338.2	337.4	334.5	334.5	335.5	333.9	332.9	331.8	330.5	329.7	328.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1427847

CATALOG NUMBER: SQ2W-PH1-K-025U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0
2.5°	1040.5	1032.9	1028.6	1025.2	1024.5	1023.8	1024.5	1025.2	1028.6	1032.9	1040.5
5°	1003.8	983.1	969.3	958.8	957.9	957.0	957.9	958.8	969.3	983.1	1003.8
7.5°	945.7	921.8	906.6	895.0	894.3	893.6	894.3	895.0	906.6	921.8	945.7
10°	908.6	884.1	870.3	860.0	860.0	860.0	860.0	860.0	870.3	884.1	908.6
12.5°	877.4	854.7	844.5	837.3	839.5	841.6	839.5	837.3	844.5	854.7	877.4
15°	837.1	820.7	818.0	817.2	822.1	827.0	822.1	817.2	818.0	820.7	837.1
17.5°	804.3	795.5	801.1	806.8	812.5	818.2	812.5	806.8	801.1	795.5	804.3
20°	785.2	780.3	791.0	800.3	805.7	811.0	805.7	800.3	791.0	780.3	785.2
22.5°	770.1	768.1	779.8	789.3	792.2	795.0	792.2	789.3	779.8	768.1	770.1
25°	746.2	749.1	759.3	766.7	765.3	764.0	765.3	766.7	759.3	749.1	746.2
27.5°	723.2	728.9	735.1	740.0	740.8	741.6	740.8	740.0	735.1	728.9	723.2
30°	704.8	712.1	718.3	724.5	730.2	736.0	730.2	724.5	718.3	712.1	704.8
32.5°	684.2	698.0	712.7	727.1	740.4	753.6	740.4	727.1	712.7	698.0	684.2
35°	655.2	675.2	699.7	728.9	772.5	816.0	772.5	728.9	699.7	675.2	655.2
37.5°	624.7	645.7	666.8	686.1	699.9	713.8	699.9	686.1	666.8	645.7	624.7
40°	603.3	629.6	656.7	669.0	637.0	605.0	637.0	669.0	656.7	629.6	603.3
42.5°	576.0	604.8	640.1	653.1	599.0	545.0	599.0	653.1	640.1	604.8	576.0
45°	535.7	551.7	561.0	558.3	519.7	481.0	519.7	558.3	561.0	551.7	535.7
47.5°	507.6	509.4	488.5	469.0	453.9	438.8	453.9	469.0	488.5	509.4	507.6
50°	493.0	490.3	457.0	429.6	419.8	410.0	419.8	429.6	457.0	490.3	493.0
52.5°	481.4	476.0	431.7	396.8	390.2	383.6	390.2	396.8	431.7	476.0	481.4
55°	467.7	460.6	399.7	353.7	352.3	351.0	352.3	353.7	399.7	460.6	467.7
57.5°	415.3	407.8	355.0	316.0	318.3	320.6	318.3	316.0	355.0	407.8	415.3
60°	363.9	356.8	320.3	292.3	289.7	287.0	289.7	292.3	320.3	356.8	363.9
62.5°	315.8	307.4	282.7	263.5	260.9	258.2	260.9	263.5	282.7	307.4	315.8
65°	258.8	246.8	226.3	211.0	211.0	211.0	211.0	211.0	226.3	246.8	258.8
67.5°	212.3	200.4	184.9	170.5	159.9	149.2	159.9	170.5	184.9	200.4	212.3
70°	182.6	168.3	151.0	136.2	129.1	122.0	129.1	136.2	151.0	168.3	182.6
72.5°	151.8	137.9	123.8	111.2	103.0	94.8	103.0	111.2	123.8	137.9	151.8
75°	108.6	94.6	81.7	71.8	70.9	70.0	70.9	71.8	81.7	94.6	108.6
77.5°	74.5	64.8	58.3	53.4	53.5	53.6	53.5	53.4	58.3	64.8	74.5
80°	50.7	43.8	43.3	43.1	43.6	44.0	43.6	43.1	43.3	43.8	50.7
82.5°	36.8	33.1	33.7	34.2	34.3	34.4	34.3	34.2	33.7	33.1	36.8
85°	20.4	19.1	17.3	15.9	15.4	15.0	15.4	15.9	17.3	19.1	20.4
87.5°	6.1	6.0	6.5	6.7	7.0	6.9	7.0	6.7	6.5	6.0	6.1
90°	7.7	10.0	12.4	13.7	15.1	14.4	15.1	13.7	12.4	10.0	7.7
92.5°	15.5	19.4	22.3	24.7	25.8	25.7	25.8	24.7	22.3	19.4	15.5
95°	31.1	35.8	40.5	43.9	45.9	45.2	45.9	43.9	40.5	35.8	31.1
97.5°	48.0	54.3	59.5	62.7	64.7	66.0	64.7	62.7	59.5	54.3	48.0
100°	59.3	65.3	71.3	75.0	78.4	79.7	78.4	75.0	71.3	65.3	59.3
102.5°	68.4	76.3	82.8	86.8	89.6	91.0	89.6	86.8	82.8	76.3	68.4
105°	83.4	91.8	98.8	103.8	106.8	107.8	106.8	103.8	98.8	91.8	83.4
107.5°	98.4	107.0	113.5	119.1	122.8	124.9	122.8	119.1	113.5	107.0	98.4
110°	110.2	117.2	124.2	129.3	132.9	134.3	132.9	129.3	124.2	117.2	110.2



TEST NUMBER: P1427847

CATALOG NUMBER: SQ2W-PH1-K-025U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	120.1	127.9	135.0	140.0	144.2	146.1	144.2	140.0	135.0	127.9	120.1
115°	134.0	144.3	150.7	155.4	158.4	160.1	158.4	155.4	150.7	144.3	134.0
117.5°	145.5	156.3	163.3	166.9	168.3	169.5	168.3	166.9	163.3	156.3	145.5
120°	152.7	162.8	170.8	175.5	177.2	177.8	177.2	175.5	170.8	162.8	152.7
122.5°	159.4	168.9	176.7	182.4	185.2	185.9	185.2	182.4	176.7	168.9	159.4
125°	168.8	177.8	185.9	191.6	194.6	196.2	194.6	191.6	185.9	177.8	168.8
127.5°	176.9	186.7	194.1	199.3	202.2	203.5	202.2	199.3	194.1	186.7	176.9
130°	181.5	191.6	198.9	204.6	207.3	208.6	207.3	204.6	198.9	191.6	181.5
132.5°	185.0	195.6	203.2	208.4	211.3	212.6	211.3	208.4	203.2	195.6	185.0
135°	189.2	200.3	208.3	213.3	216.0	217.3	216.0	213.3	208.3	200.3	189.2
137.5°	192.9	202.9	211.3	216.6	219.0	219.9	219.0	216.6	211.3	202.9	192.9
140°	195.6	204.3	212.6	217.7	220.4	220.7	220.4	217.7	212.6	204.3	195.6
142.5°	199.1	205.9	213.2	218.2	220.9	221.5	220.9	218.2	213.2	205.9	199.1
145°	205.3	209.3	214.3	219.0	221.4	222.0	221.4	219.0	214.3	209.3	205.3
147.5°	213.1	214.4	217.0	220.1	222.4	222.8	222.4	220.1	217.0	214.4	213.1
150°	219.0	218.7	219.7	221.7	223.7	223.4	223.7	221.7	219.7	218.7	219.0
152.5°	225.7	223.8	223.7	224.6	225.6	225.5	225.6	224.6	223.7	223.8	225.7
155°	237.1	233.4	231.4	230.7	230.7	230.4	230.7	230.7	231.4	233.4	237.1
157.5°	249.6	244.5	241.4	239.8	239.4	238.6	239.4	239.8	241.4	244.5	249.6
160°	258.2	252.5	249.5	246.8	245.8	244.8	245.8	246.8	249.5	252.5	258.2
162.5°	266.2	260.8	257.5	255.1	254.1	252.6	254.1	255.1	257.5	260.8	266.2
165°	279.3	273.6	269.9	267.9	266.6	265.2	266.6	267.9	269.9	273.6	279.3
167.5°	292.3	286.1	283.7	281.4	280.2	277.7	280.2	281.4	283.7	286.1	292.3
170°	300.4	294.7	293.4	291.3	289.0	286.3	289.0	291.3	293.4	294.7	300.4
172.5°	307.4	303.5	302.2	300.2	299.4	297.3	299.4	300.2	302.2	303.5	307.4
175°	317.5	314.5	314.5	314.1	313.1	311.1	313.1	314.1	314.5	314.5	317.5
177.5°	325.9	324.3	325.4	325.4	325.1	323.2	325.1	325.4	325.4	324.3	325.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1427847

CATALOG NUMBER: SQ2W-PH1-K-025U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1051.0	1051.0	1051.0	1051.0
2.5°	1051.5	1058.6	1053.6	1048.6
5°	1031.3	1052.1	1052.6	1053.0
7.5°	978.3	1006.3	1020.0	1033.8
10°	943.7	975.2	996.1	1017.0
12.5°	912.5	947.1	980.0	1013.0
15°	867.3	902.5	952.2	1002.0
17.5°	827.5	858.4	912.0	965.6
20°	805.7	834.2	887.1	940.0
22.5°	785.9	811.2	864.8	918.4
25°	750.7	769.1	829.6	890.0
27.5°	717.9	729.8	792.9	856.0
30°	696.3	705.8	768.9	832.0
32.5°	671.5	678.3	743.6	808.8
35°	639.7	645.0	713.0	781.0
37.5°	603.6	606.0	678.9	751.8
40°	578.0	578.1	654.6	731.0
42.5°	553.5	555.7	632.2	708.6
45°	513.0	515.9	595.4	675.0
47.5°	483.1	483.8	559.6	635.4
50°	465.0	461.9	533.4	605.0
52.5°	447.7	439.4	507.4	575.4
55°	421.0	402.3	467.7	533.0
57.5°	377.4	364.4	426.2	488.0
60°	341.7	340.0	400.0	460.0
62.5°	307.8	316.1	373.2	430.4
65°	262.3	278.0	330.0	382.0
67.5°	220.6	238.1	283.5	328.8
70°	193.7	212.0	252.0	292.0
72.5°	165.4	184.2	218.5	252.8
75°	123.7	141.9	169.4	197.0
77.5°	87.5	102.2	122.3	142.4
80°	64.0	77.8	92.9	108.0
82.5°	44.8	53.6	64.8	76.0
85°	21.3	23.3	28.7	34.0
87.5°	6.8	7.2	7.3	7.4
90°	6.0	3.7	2.3	1.0
92.5°	13.0	9.0	6.4	3.7
95°	26.1	20.8	14.7	10.4
97.5°	41.6	33.0	27.0	19.8
100°	49.9	41.5	35.8	28.1
102.5°	59.0	52.0	44.1	36.4
105°	75.3	66.6	57.6	48.9
107.5°	90.5	80.9	70.1	62.2
110°	100.1	89.7	78.4	71.3



TEST NUMBER: P1427847

CATALOG NUMBER: SQ2W-PH1-K-025U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	109.5	98.9	87.2	80.2
115°	122.2	110.5	99.8	93.8
117.5°	134.5	122.4	111.1	106.4
120°	142.0	129.9	118.9	115.2
122.5°	148.2	136.4	126.1	124.6
125°	157.4	145.3	136.6	138.6
127.5°	164.9	153.8	148.4	152.8
130°	169.4	159.7	156.4	162.8
132.5°	173.5	165.9	164.4	173.2
135°	179.5	175.1	176.5	188.5
137.5°	186.7	185.0	189.5	204.7
140°	191.2	192.2	198.6	215.7
142.5°	197.4	199.7	208.0	226.1
145°	207.0	212.0	222.7	240.8
147.5°	217.8	224.3	237.6	256.1
150°	225.0	233.4	247.5	265.2
152.5°	233.3	242.0	256.0	274.1
155°	246.1	255.8	270.6	286.0
157.5°	259.2	269.1	283.2	296.6
160°	267.2	277.9	290.7	303.1
162.5°	276.3	286.3	297.4	308.4
165°	289.7	297.7	306.7	316.1
167.5°	300.9	307.6	314.7	322.0
170°	308.1	313.4	319.5	325.2
172.5°	314.3	318.5	323.0	327.8
175°	322.5	324.8	327.5	330.5
177.5°	328.9	329.7	330.5	331.8
180°	331.5	331.5	331.5	331.5



TEST NUMBER: P1427847
 CATALOG NUMBER: SQ2W-PH1-K-025U-050D-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	18.43	19.51	19.19	20.29	21.23	17.26	18.33	18.02	19.12	20.06
	3H	20.63	21.59	21.40	22.38	23.35	18.33	19.29	19.10	20.08	21.05
	4H	21.45	22.35	22.24	23.15	24.14	18.58	19.49	19.38	20.29	21.27
	6H	21.93	22.76	22.73	23.57	24.57	18.74	19.57	19.54	20.38	21.38
	8H	22.09	22.88	22.90	23.71	24.71	18.80	19.60	19.61	20.42	21.42
	12H	22.15	22.91	22.97	23.73	24.76	18.82	19.58	19.64	20.40	21.42
4H	2H	18.90	19.80	19.69	20.60	21.59	17.97	18.88	18.77	19.68	20.66
	3H	21.17	21.92	21.97	22.75	23.76	19.22	19.98	20.03	20.81	21.81
	4H	22.05	22.73	22.87	23.57	24.60	19.52	20.21	20.35	21.04	22.07
	6H	22.62	23.21	23.46	24.07	25.10	19.73	20.33	20.57	21.18	22.22
	8H	22.83	23.38	23.67	24.23	25.28	19.83	20.38	20.67	21.23	22.28
	12H	22.92	23.42	23.78	24.29	25.34	19.86	20.36	20.72	21.23	22.28
8H	4H	22.09	22.64	22.93	23.49	24.54	19.77	20.32	20.61	21.17	22.22
	6H	22.73	23.18	23.60	24.08	25.12	20.05	20.50	20.92	21.40	22.44
	8H	22.99	23.40	23.87	24.28	25.35	20.19	20.60	21.08	21.49	22.55
	12H	23.13	23.49	24.02	24.37	25.49	20.27	20.62	21.15	21.50	22.62
12H	4H	22.05	22.55	22.91	23.42	24.47	19.78	20.27	20.64	21.14	22.20
	6H	22.70	23.11	23.59	24.00	25.06	20.08	20.49	20.96	21.38	22.44
	8H	22.99	23.34	23.87	24.22	25.34	20.25	20.61	21.14	21.49	22.61