

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: P1427991

Luminaire Tested: SQ2W-PP3-0U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427991
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-PP3-0U-050D-L935-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 N/A - DIRECT ONLY
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

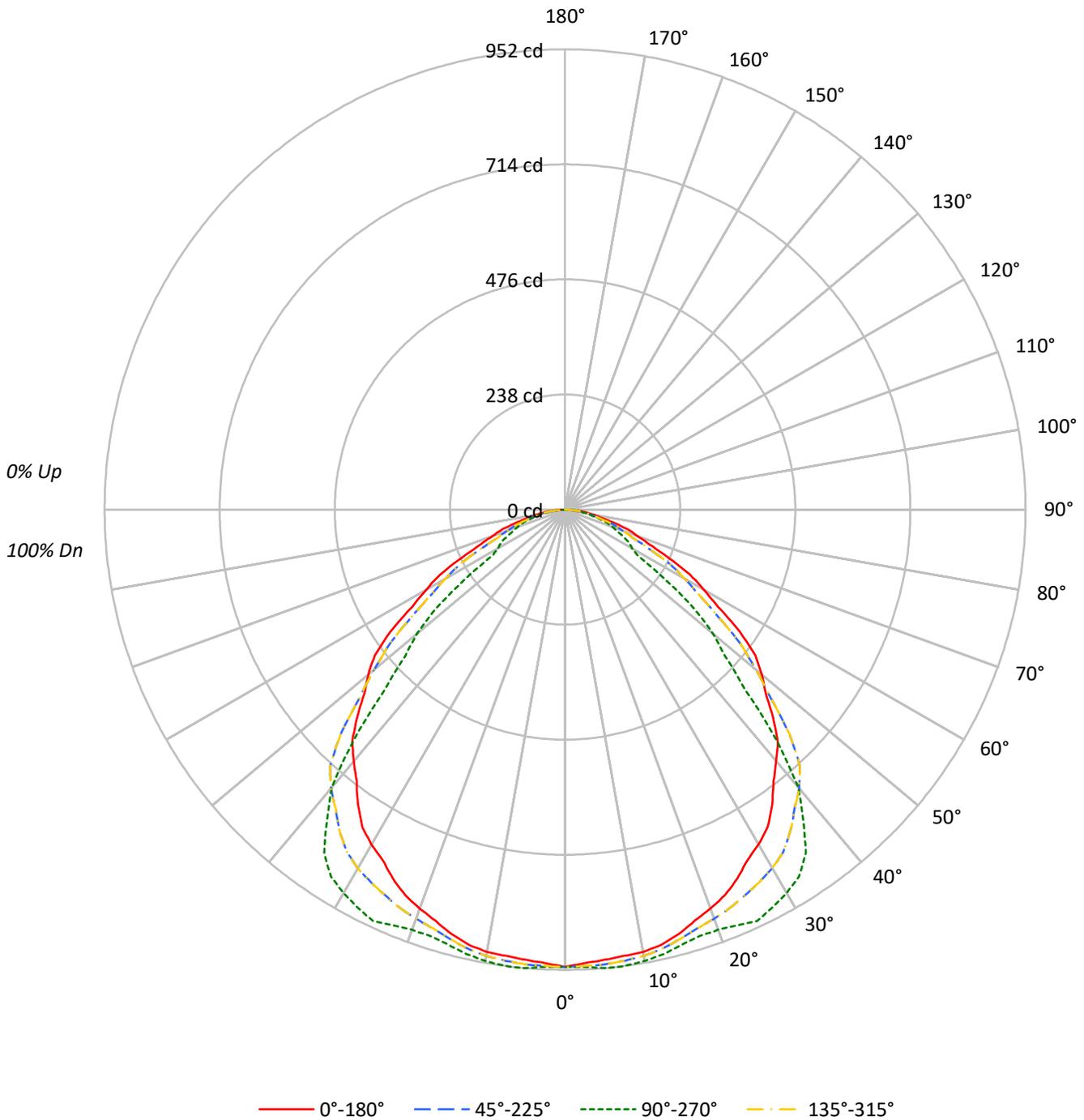
Lumens per Lamp: N/A
Luminaire Lumens: 2382.5 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 17.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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CATALOG NUMBER: SQ2W-PP3-OU-050D-L935-UNV-STD-W-WM-4

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	89	87
2	101	94	88	82	99	92	86	81	88	84	80	85	81	78	82	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64
4	86	74	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	50	48
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43
7	68	55	47	41	66	54	46	41	53	46	41	51	45	40	50	44	40	38
8	63	50	42	37	62	50	42	37	48	41	36	47	41	36	46	40	36	34
9	59	46	38	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15274	15274	15274	15274
5°	15154	15429	15154	15429
10°	15231	15542	15231	15542
15°	15194	15578	15194	15578
20°	15086	15893	15086	15893
25°	15000	16728	15000	16728
30°	14915	17077	14915	17077
35°	14704	17108	14704	17108
40°	14311	15807	14311	15807
45°	13883	12033	13883	12033
50°	13338	10022	13338	10022
55°	12414	7206	12414	7206
60°	10688	5167	10688	5167
65°	9016	5081	9016	5081
70°	7506	4862	7506	4862
75°	6363	4554	6363	4554
80°	5393	4091	5393	4091
85°	4261	2223	4261	2223

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 15186 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	3.8
10°-20°	260.7	10.9
20°-30°	408.4	17.1
30°-40°	503.8	21.1
40°-50°	474.3	19.9
50°-60°	335.9	14.1
60°-70°	191.4	8.0
70°-80°	94.7	4.0
80°-90°	23.1	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	759.2	31.9
0°-40°	1263.0	53.0
0°-60°	2073.2	87.0
0°-90°	2382.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2382.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	946	946	946	946	946	
5°	935	952	935	952	935	89
15°	909	932	909	932	909	256
25°	842	939	842	939	842	388
35°	746	868	746	868	746	465
45°	608	527	608	527	608	468
55°	441	256	441	256	441	389
65°	236	133	236	133	236	237
75°	102	73	102	73	102	111
85°	23	12	23	12	23	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0
2.5°	938.8	944.9	950.9	949.5	945.6	944.0	944.7	945.4	946.1	946.8	946.1
5°	935.0	942.6	950.1	949.0	945.0	943.5	944.3	945.8	948.9	952.0	948.9
7.5°	931.4	939.1	946.9	945.9	942.0	940.8	942.3	944.4	948.2	952.0	948.2
10°	929.0	935.7	942.3	941.3	937.8	937.1	939.3	941.8	944.9	948.0	944.9
12.5°	921.8	928.1	934.4	933.6	930.4	930.3	933.2	936.1	938.9	941.6	938.9
15°	909.0	914.8	920.6	920.7	918.9	920.0	924.0	927.6	929.8	932.0	929.8
17.5°	891.6	898.6	905.7	907.3	907.1	909.9	915.5	920.4	922.7	925.0	922.7
20°	878.0	886.5	894.9	897.7	898.6	902.6	909.7	916.1	920.6	925.0	920.6
22.5°	863.6	873.5	883.3	887.0	888.6	894.7	905.4	915.3	923.0	930.6	923.0
25°	842.0	851.8	861.6	868.7	874.9	885.8	901.3	915.9	927.5	939.0	927.5
27.5°	816.8	826.5	836.2	848.4	861.5	876.8	894.3	909.7	918.9	928.0	918.9
30°	800.0	809.3	818.7	832.7	848.2	865.1	883.3	899.1	907.6	916.0	907.6
32.5°	779.2	788.9	798.6	813.5	830.1	848.2	867.9	884.5	892.3	900.0	892.3
35°	746.0	755.3	764.7	782.0	802.0	822.2	842.7	859.1	863.6	868.0	863.6
37.5°	707.8	718.4	729.0	748.4	770.8	787.7	799.2	807.9	808.1	808.4	808.1
40°	679.0	692.8	706.6	726.0	747.3	759.1	761.3	761.6	755.8	750.0	755.8
42.5°	651.0	668.7	686.4	702.0	716.9	720.0	711.2	698.2	672.5	646.8	672.5
45°	608.0	628.9	649.8	659.3	665.1	645.6	600.7	562.6	544.8	527.0	544.8
47.5°	562.2	582.8	603.4	600.8	590.4	560.8	512.0	472.3	460.1	447.8	460.1
50°	531.0	550.6	570.1	556.0	530.7	497.3	456.0	422.1	410.6	399.0	410.6
52.5°	495.8	513.2	530.6	509.3	475.1	440.0	404.0	372.6	355.0	337.4	355.0
55°	441.0	453.0	465.0	441.7	406.6	367.9	325.7	289.8	272.9	256.0	272.9
57.5°	375.0	383.4	391.9	373.5	346.2	307.8	258.2	216.3	197.3	178.4	197.3
60°	331.0	337.7	344.3	327.7	303.2	266.6	217.7	178.7	169.3	160.0	169.3
62.5°	291.0	297.0	302.9	285.5	260.4	227.6	187.3	156.2	152.9	149.6	152.9
65°	236.0	241.8	247.6	229.3	203.1	177.6	152.7	133.9	133.4	133.0	133.4
67.5°	187.8	194.1	200.4	183.3	158.3	139.4	126.6	116.9	116.3	115.8	116.3
70°	159.0	165.7	172.3	156.3	132.8	117.4	110.3	104.8	103.9	103.0	103.9
72.5°	135.0	141.3	147.6	133.7	113.0	100.3	95.7	92.1	91.5	91.0	91.5
75°	102.0	106.9	111.8	101.7	86.6	77.9	75.7	73.9	73.4	73.0	73.4
77.5°	74.0	77.1	80.2	73.6	63.7	58.2	57.1	56.1	55.6	55.2	55.6
80°	58.0	59.3	60.7	56.0	49.3	45.8	45.3	44.9	44.4	44.0	44.4
82.5°	43.6	43.2	42.7	40.0	36.5	34.6	34.1	33.6	32.8	32.0	32.8
85°	23.0	22.1	21.2	20.3	19.4	18.1	16.3	14.7	13.3	12.0	13.3
87.5°	7.2	7.2	7.2	5.9	4.1	3.0	2.7	2.4	2.4	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0
2.5°	945.4	944.7	944.0	945.6	949.5	950.9	944.9	938.8	944.9	950.9	949.5
5°	945.8	944.3	943.5	945.0	949.0	950.1	942.6	935.0	942.6	950.1	949.0
7.5°	944.4	942.3	940.8	942.0	945.9	946.9	939.1	931.4	939.1	946.9	945.9
10°	941.8	939.3	937.1	937.8	941.3	942.3	935.7	929.0	935.7	942.3	941.3
12.5°	936.1	933.2	930.3	930.4	933.6	934.4	928.1	921.8	928.1	934.4	933.6
15°	927.6	924.0	920.0	918.9	920.7	920.6	914.8	909.0	914.8	920.6	920.7
17.5°	920.4	915.5	909.9	907.1	907.3	905.7	898.6	891.6	898.6	905.7	907.3
20°	916.1	909.7	902.6	898.6	897.7	894.9	886.5	878.0	886.5	894.9	897.7
22.5°	915.3	905.4	894.7	888.6	887.0	883.3	873.5	863.6	873.5	883.3	887.0
25°	915.9	901.3	885.8	874.9	868.7	861.6	851.8	842.0	851.8	861.6	868.7
27.5°	909.7	894.3	876.8	861.5	848.4	836.2	826.5	816.8	826.5	836.2	848.4
30°	899.1	883.3	865.1	848.2	832.7	818.7	809.3	800.0	809.3	818.7	832.7
32.5°	884.5	867.9	848.2	830.1	813.5	798.6	788.9	779.2	788.9	798.6	813.5
35°	859.1	842.7	822.2	802.0	782.0	764.7	755.3	746.0	755.3	764.7	782.0
37.5°	807.9	799.2	787.7	770.8	748.4	729.0	718.4	707.8	718.4	729.0	748.4
40°	761.6	761.3	759.1	747.3	726.0	706.6	692.8	679.0	692.8	706.6	726.0
42.5°	698.2	711.2	720.0	716.9	702.0	686.4	668.7	651.0	668.7	686.4	702.0
45°	562.6	600.7	645.6	665.1	659.3	649.8	628.9	608.0	628.9	649.8	659.3
47.5°	472.3	512.0	560.8	590.4	600.8	603.4	582.8	562.2	582.8	603.4	600.8
50°	422.1	456.0	497.3	530.7	556.0	570.1	550.6	531.0	550.6	570.1	556.0
52.5°	372.6	404.0	440.0	475.1	509.3	530.6	513.2	495.8	513.2	530.6	509.3
55°	289.8	325.7	367.9	406.6	441.7	465.0	453.0	441.0	453.0	465.0	441.7
57.5°	216.3	258.2	307.8	346.2	373.5	391.9	383.4	375.0	383.4	391.9	373.5
60°	178.7	217.7	266.6	303.2	327.7	344.3	337.7	331.0	337.7	344.3	327.7
62.5°	156.2	187.3	227.6	260.4	285.5	302.9	297.0	291.0	297.0	302.9	285.5
65°	133.9	152.7	177.6	203.1	229.3	247.6	241.8	236.0	241.8	247.6	229.3
67.5°	116.9	126.6	139.4	158.3	183.3	200.4	194.1	187.8	194.1	200.4	183.3
70°	104.8	110.3	117.4	132.8	156.3	172.3	165.7	159.0	165.7	172.3	156.3
72.5°	92.1	95.7	100.3	113.0	133.7	147.6	141.3	135.0	141.3	147.6	133.7
75°	73.9	75.7	77.9	86.6	101.7	111.8	106.9	102.0	106.9	111.8	101.7
77.5°	56.1	57.1	58.2	63.7	73.6	80.2	77.1	74.0	77.1	80.2	73.6
80°	44.9	45.3	45.8	49.3	56.0	60.7	59.3	58.0	59.3	60.7	56.0
82.5°	33.6	34.1	34.6	36.5	40.0	42.7	43.2	43.6	43.2	42.7	40.0
85°	14.7	16.3	18.1	19.4	20.3	21.2	22.1	23.0	22.1	21.2	20.3
87.5°	2.4	2.7	3.0	4.1	5.9	7.2	7.2	7.2	7.2	7.2	5.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0
2.5°	945.6	944.0	944.7	945.4	946.1	946.8	946.1	945.4	944.7	944.0	945.6
5°	945.0	943.5	944.3	945.8	948.9	952.0	948.9	945.8	944.3	943.5	945.0
7.5°	942.0	940.8	942.3	944.4	948.2	952.0	948.2	944.4	942.3	940.8	942.0
10°	937.8	937.1	939.3	941.8	944.9	948.0	944.9	941.8	939.3	937.1	937.8
12.5°	930.4	930.3	933.2	936.1	938.9	941.6	938.9	936.1	933.2	930.3	930.4
15°	918.9	920.0	924.0	927.6	929.8	932.0	929.8	927.6	924.0	920.0	918.9
17.5°	907.1	909.9	915.5	920.4	922.7	925.0	922.7	920.4	915.5	909.9	907.1
20°	898.6	902.6	909.7	916.1	920.6	925.0	920.6	916.1	909.7	902.6	898.6
22.5°	888.6	894.7	905.4	915.3	923.0	930.6	923.0	915.3	905.4	894.7	888.6
25°	874.9	885.8	901.3	915.9	927.5	939.0	927.5	915.9	901.3	885.8	874.9
27.5°	861.5	876.8	894.3	909.7	918.9	928.0	918.9	909.7	894.3	876.8	861.5
30°	848.2	865.1	883.3	899.1	907.6	916.0	907.6	899.1	883.3	865.1	848.2
32.5°	830.1	848.2	867.9	884.5	892.3	900.0	892.3	884.5	867.9	848.2	830.1
35°	802.0	822.2	842.7	859.1	863.6	868.0	863.6	859.1	842.7	822.2	802.0
37.5°	770.8	787.7	799.2	807.9	808.1	808.4	808.1	807.9	799.2	787.7	770.8
40°	747.3	759.1	761.3	761.6	755.8	750.0	755.8	761.6	761.3	759.1	747.3
42.5°	716.9	720.0	711.2	698.2	672.5	646.8	672.5	698.2	711.2	720.0	716.9
45°	665.1	645.6	600.7	562.6	544.8	527.0	544.8	562.6	600.7	645.6	665.1
47.5°	590.4	560.8	512.0	472.3	460.1	447.8	460.1	472.3	512.0	560.8	590.4
50°	530.7	497.3	456.0	422.1	410.6	399.0	410.6	422.1	456.0	497.3	530.7
52.5°	475.1	440.0	404.0	372.6	355.0	337.4	355.0	372.6	404.0	440.0	475.1
55°	406.6	367.9	325.7	289.8	272.9	256.0	272.9	289.8	325.7	367.9	406.6
57.5°	346.2	307.8	258.2	216.3	197.3	178.4	197.3	216.3	258.2	307.8	346.2
60°	303.2	266.6	217.7	178.7	169.3	160.0	169.3	178.7	217.7	266.6	303.2
62.5°	260.4	227.6	187.3	156.2	152.9	149.6	152.9	156.2	187.3	227.6	260.4
65°	203.1	177.6	152.7	133.9	133.4	133.0	133.4	133.9	152.7	177.6	203.1
67.5°	158.3	139.4	126.6	116.9	116.3	115.8	116.3	116.9	126.6	139.4	158.3
70°	132.8	117.4	110.3	104.8	103.9	103.0	103.9	104.8	110.3	117.4	132.8
72.5°	113.0	100.3	95.7	92.1	91.5	91.0	91.5	92.1	95.7	100.3	113.0
75°	86.6	77.9	75.7	73.9	73.4	73.0	73.4	73.9	75.7	77.9	86.6
77.5°	63.7	58.2	57.1	56.1	55.6	55.2	55.6	56.1	57.1	58.2	63.7
80°	49.3	45.8	45.3	44.9	44.4	44.0	44.4	44.9	45.3	45.8	49.3
82.5°	36.5	34.6	34.1	33.6	32.8	32.0	32.8	33.6	34.1	34.6	36.5
85°	19.4	18.1	16.3	14.7	13.3	12.0	13.3	14.7	16.3	18.1	19.4
87.5°	4.1	3.0	2.7	2.4	2.4	2.4	2.4	2.4	2.7	3.0	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1427991

CATALOG NUMBER: SQ2W-PP3-OU-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	946.0	946.0	946.0	946.0
2.5°	949.5	950.9	944.9	938.8
5°	949.0	950.1	942.6	935.0
7.5°	945.9	946.9	939.1	931.4
10°	941.3	942.3	935.7	929.0
12.5°	933.6	934.4	928.1	921.8
15°	920.7	920.6	914.8	909.0
17.5°	907.3	905.7	898.6	891.6
20°	897.7	894.9	886.5	878.0
22.5°	887.0	883.3	873.5	863.6
25°	868.7	861.6	851.8	842.0
27.5°	848.4	836.2	826.5	816.8
30°	832.7	818.7	809.3	800.0
32.5°	813.5	798.6	788.9	779.2
35°	782.0	764.7	755.3	746.0
37.5°	748.4	729.0	718.4	707.8
40°	726.0	706.6	692.8	679.0
42.5°	702.0	686.4	668.7	651.0
45°	659.3	649.8	628.9	608.0
47.5°	600.8	603.4	582.8	562.2
50°	556.0	570.1	550.6	531.0
52.5°	509.3	530.6	513.2	495.8
55°	441.7	465.0	453.0	441.0
57.5°	373.5	391.9	383.4	375.0
60°	327.7	344.3	337.7	331.0
62.5°	285.5	302.9	297.0	291.0
65°	229.3	247.6	241.8	236.0
67.5°	183.3	200.4	194.1	187.8
70°	156.3	172.3	165.7	159.0
72.5°	133.7	147.6	141.3	135.0
75°	101.7	111.8	106.9	102.0
77.5°	73.6	80.2	77.1	74.0
80°	56.0	60.7	59.3	58.0
82.5°	40.0	42.7	43.2	43.6
85°	20.3	21.2	22.1	23.0
87.5°	5.9	7.2	7.2	7.2
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1427991
 CATALOG NUMBER: SQ2W-PP3-OU-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	20.83	22.35	21.19	22.66	22.98	16.60	18.12	16.96	18.44	18.75
	3H	21.94	23.30	22.32	23.63	23.99	17.96	19.32	18.34	19.65	20.01
	4H	22.34	23.61	22.74	23.96	24.34	18.55	19.82	18.95	20.17	20.55
	6H	22.56	23.74	22.98	24.11	24.50	18.94	20.12	19.35	20.49	20.88
	8H	22.64	23.76	23.07	24.15	24.55	19.09	20.21	19.51	20.60	21.00
	12H	22.68	23.76	23.11	24.14	24.57	19.14	20.22	19.57	20.60	21.03
4H	2H	21.03	22.30	21.43	22.65	23.03	17.59	18.87	17.99	19.21	19.59
	3H	22.38	23.43	22.79	23.83	24.24	19.07	20.13	19.48	20.53	20.93
	4H	22.91	23.86	23.35	24.28	24.72	19.72	20.66	20.15	21.08	21.52
	6H	23.26	24.09	23.72	24.53	24.99	20.20	21.02	20.65	21.46	21.92
	8H	23.38	24.15	23.85	24.60	25.06	20.38	21.15	20.84	21.59	22.06
	12H	23.46	24.14	23.94	24.62	25.09	20.46	21.14	20.94	21.62	22.09
8H	4H	22.98	23.75	23.44	24.19	24.66	20.07	20.84	20.54	21.29	21.75
	6H	23.41	24.05	23.91	24.54	25.02	20.65	21.29	21.15	21.78	22.26
	8H	23.59	24.17	24.11	24.68	25.16	20.90	21.47	21.42	21.98	22.47
	12H	23.72	24.23	24.23	24.72	25.28	21.03	21.54	21.54	22.03	22.59
12H	4H	22.97	23.65	23.45	24.13	24.60	20.11	20.80	20.60	21.28	21.75
	6H	23.41	23.98	23.92	24.49	24.98	20.72	21.29	21.23	21.80	22.29
	8H	23.63	24.14	24.14	24.63	25.19	21.02	21.53	21.53	22.02	22.59