

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: P1435894

Luminaire Tested: SQ2W-FB-0U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435894
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-0U-075D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT N/A - DIRECT ONLY
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

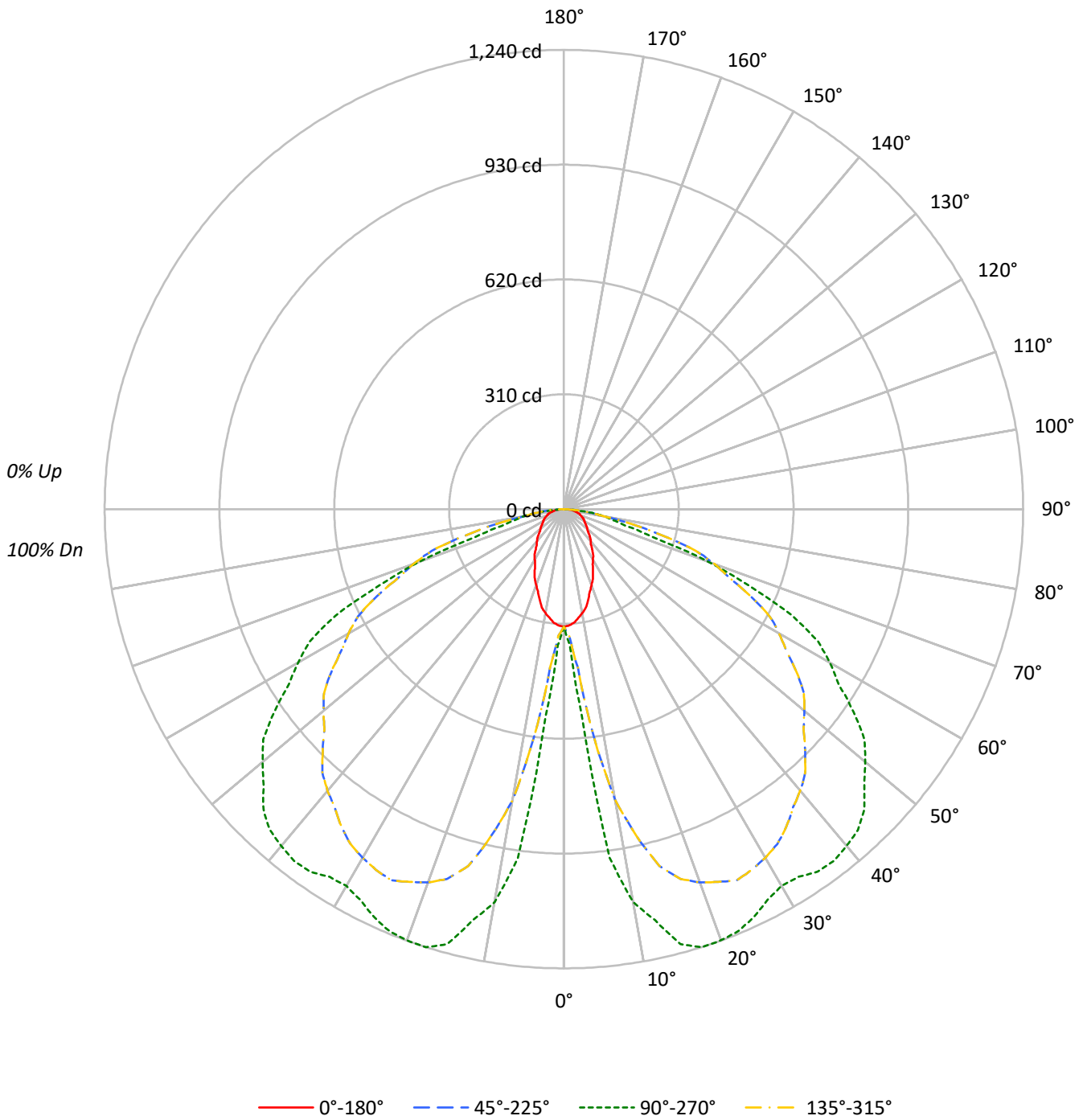
Lumens per Lamp: N/A
Luminaire Lumens: 3134.7 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 26.7
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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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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	58	52	63	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	68	54	45	39	66	53	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	33	47	39	33	45	38	33	44	37	33	31
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	54	40	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	23	49	37	29	23	36	28	23	35	28	23	34	28	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5125	5125	5125	5125
5°	4995	9076	4995	9076
10°	4677	17662	4677	17662
15°	4234	20329	4234	20329
20°	3749	21288	3749	21288
25°	3317	21638	3317	21638
30°	2931	21906	2931	21906
35°	2617	23550	2617	23550
40°	2380	25022	2380	25022
45°	2194	26201	2194	26201
50°	2070	26675	2070	26675
55°	2018	26888	2018	26888
60°	2070	26756	2070	26756
65°	2159	26001	2159	26001
70°	2233	19666	2233	19666
75°	2477	10854	2477	10854
80°	2557	10070	2557	10070
85°	2538	4242	2538	4242

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 27132 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	1.7
10°-20°	242.6	7.7
20°-30°	427.0	13.6
30°-40°	552.7	17.6
40°-50°	609.5	19.4
50°-60°	568.9	18.1
60°-70°	439.5	14.0
70°-80°	202.6	6.5
80°-90°	38.7	1.2
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°	722.8	23.1
0°-40°	1275.4	40.7
0°-60°	2453.8	78.3
0°-90°	3134.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3134.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	317	317	317	317	317	
5°	308	560	308	560	308	29
15°	253	1216	253	1216	253	71
25°	186	1215	186	1215	186	86
35°	133	1195	133	1195	133	84
45°	96	1148	96	1148	96	75
55°	72	955	72	955	72	65
65°	56	681	56	681	56	55
75°	40	174	40	174	40	41
85°	14	23	14	23	14	15
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°	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4
2.5°	314.9	320.9	326.9	333.3	339.8	346.8	354.4	360.9	364.2	367.4	364.2
5°	308.2	328.6	348.9	378.4	411.0	447.9	489.3	524.7	542.4	560.0	542.4
7.5°	296.3	337.7	379.1	466.7	569.8	676.8	787.8	879.8	915.1	950.3	915.1
10°	285.3	343.0	400.6	549.3	728.4	866.0	962.3	1039.3	1058.3	1077.3	1058.3
12.5°	273.1	351.4	429.7	613.2	831.9	975.0	1042.5	1098.0	1117.6	1137.1	1117.6
15°	253.3	365.2	477.1	684.6	924.0	1071.2	1126.1	1172.7	1194.5	1216.2	1194.5
17.5°	232.9	381.8	530.7	742.4	975.0	1118.5	1172.9	1216.7	1228.5	1240.3	1228.5
20°	218.2	393.2	568.1	780.2	1004.7	1140.4	1187.2	1224.1	1231.6	1239.0	1231.6
22.5°	204.8	400.4	596.0	808.3	1026.3	1153.0	1188.4	1216.9	1224.9	1232.9	1224.9
25°	186.2	406.6	627.0	838.7	1047.6	1163.3	1185.6	1203.8	1209.2	1214.6	1209.2
27.5°	168.2	401.0	633.9	843.0	1044.2	1152.1	1166.7	1179.0	1184.3	1189.6	1184.3
30°	157.2	393.9	630.5	837.7	1035.1	1139.2	1150.0	1160.0	1167.5	1175.0	1167.5
32.5°	147.4	385.2	622.9	827.6	1021.1	1123.0	1133.3	1145.1	1161.3	1177.4	1161.3
35°	132.8	366.7	600.7	803.1	995.1	1099.2	1115.4	1135.1	1164.9	1194.8	1164.9
37.5°	120.2	343.1	565.9	766.3	959.2	1072.6	1106.7	1139.4	1168.2	1196.9	1168.2
40°	112.9	326.5	540.2	739.1	933.0	1052.7	1098.1	1138.3	1162.7	1187.2	1162.7
42.5°	105.6	307.8	510.1	707.3	902.9	1027.2	1080.2	1126.1	1150.5	1175.0	1150.5
45°	96.1	277.9	459.6	655.1	855.2	986.4	1048.8	1101.4	1124.4	1147.5	1124.4
47.5°	87.3	245.2	403.0	599.4	808.5	946.2	1012.4	1066.2	1083.1	1099.9	1083.1
50°	82.4	223.5	364.5	561.5	777.2	917.6	982.7	1034.9	1048.5	1062.0	1048.5
52.5°	77.5	202.3	327.1	524.5	746.1	887.6	948.9	998.0	1010.5	1023.0	1010.5
55°	71.7	173.4	275.2	470.5	697.0	837.0	890.6	933.5	944.4	955.2	944.4
57.5°	66.5	148.6	230.7	419.8	644.7	780.0	825.7	862.2	871.0	879.8	871.0
60°	64.1	135.3	206.5	388.1	606.5	736.3	777.7	810.9	819.8	828.6	819.8
62.5°	60.4	122.4	184.4	356.4	565.0	688.3	726.4	757.1	765.4	773.6	765.4
65°	56.5	106.6	156.8	311.8	501.7	612.6	644.4	669.7	675.1	680.6	675.1
67.5°	51.0	93.6	136.1	271.0	436.6	529.3	549.1	561.4	551.3	541.1	551.3
70°	47.3	86.6	126.0	246.2	393.3	470.3	477.1	474.9	445.7	416.6	445.7
72.5°	44.9	79.9	114.9	218.9	346.0	402.1	387.2	362.2	307.0	251.8	307.0
75°	39.7	68.2	96.6	175.0	269.9	284.8	219.7	171.2	172.6	174.0	172.6
77.5°	32.3	53.6	74.9	123.1	180.2	191.5	157.1	131.5	132.8	134.0	132.8
80°	27.5	44.4	61.4	80.4	100.0	109.2	107.8	107.0	107.7	108.3	107.7
82.5°	22.6	35.2	47.8	59.2	70.2	76.4	77.7	78.5	77.6	76.6	77.6
85°	13.7	21.2	28.7	33.1	36.5	35.4	30.0	25.6	24.2	22.9	24.2
87.5°	4.9	7.6	10.3	9.4	7.2	6.1	6.1	6.1	6.1	6.1	6.1
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°	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4
2.5°	360.9	354.4	346.8	339.8	333.3	326.9	320.9	314.9	320.9	326.9	333.3
5°	524.7	489.3	447.9	411.0	378.4	348.9	328.6	308.2	328.6	348.9	378.4
7.5°	879.8	787.8	676.8	569.8	466.7	379.1	337.7	296.3	337.7	379.1	466.7
10°	1039.3	962.3	866.0	728.4	549.3	400.6	343.0	285.3	343.0	400.6	549.3
12.5°	1098.0	1042.5	975.0	831.9	613.2	429.7	351.4	273.1	351.4	429.7	613.2
15°	1172.7	1126.1	1071.2	924.0	684.6	477.1	365.2	253.3	365.2	477.1	684.6
17.5°	1216.7	1172.9	1118.5	975.0	742.4	530.7	381.8	232.9	381.8	530.7	742.4
20°	1224.1	1187.2	1140.4	1004.7	780.2	568.1	393.2	218.2	393.2	568.1	780.2
22.5°	1216.9	1188.4	1153.0	1026.3	808.3	596.0	400.4	204.8	400.4	596.0	808.3
25°	1203.8	1185.6	1163.3	1047.6	838.7	627.0	406.6	186.2	406.6	627.0	838.7
27.5°	1179.0	1166.7	1152.1	1044.2	843.0	633.9	401.0	168.2	401.0	633.9	843.0
30°	1160.0	1150.0	1139.2	1035.1	837.7	630.5	393.9	157.2	393.9	630.5	837.7
32.5°	1145.1	1133.3	1123.0	1021.1	827.6	622.9	385.2	147.4	385.2	622.9	827.6
35°	1135.1	1115.4	1099.2	995.1	803.1	600.7	366.7	132.8	366.7	600.7	803.1
37.5°	1139.4	1106.7	1072.6	959.2	766.3	565.9	343.1	120.2	343.1	565.9	766.3
40°	1138.3	1098.1	1052.7	933.0	739.1	540.2	326.5	112.9	326.5	540.2	739.1
42.5°	1126.1	1080.2	1027.2	902.9	707.3	510.1	307.8	105.6	307.8	510.1	707.3
45°	1101.4	1048.8	986.4	855.2	655.1	459.6	277.9	96.1	277.9	459.6	655.1
47.5°	1066.2	1012.4	946.2	808.5	599.4	403.0	245.2	87.3	245.2	403.0	599.4
50°	1034.9	982.7	917.6	777.2	561.5	364.5	223.5	82.4	223.5	364.5	561.5
52.5°	998.0	948.9	887.6	746.1	524.5	327.1	202.3	77.5	202.3	327.1	524.5
55°	933.5	890.6	837.0	697.0	470.5	275.2	173.4	71.7	173.4	275.2	470.5
57.5°	862.2	825.7	780.0	644.7	419.8	230.7	148.6	66.5	148.6	230.7	419.8
60°	810.9	777.7	736.3	606.5	388.1	206.5	135.3	64.1	135.3	206.5	388.1
62.5°	757.1	726.4	688.3	565.0	356.4	184.4	122.4	60.4	122.4	184.4	356.4
65°	669.7	644.4	612.6	501.7	311.8	156.8	106.6	56.5	106.6	156.8	311.8
67.5°	561.4	549.1	529.3	436.6	271.0	136.1	93.6	51.0	93.6	136.1	271.0
70°	474.9	477.1	470.3	393.3	246.2	126.0	86.6	47.3	86.6	126.0	246.2
72.5°	362.2	387.2	402.1	346.0	218.9	114.9	79.9	44.9	79.9	114.9	218.9
75°	171.2	219.7	284.8	269.9	175.0	96.6	68.2	39.7	68.2	96.6	175.0
77.5°	131.5	157.1	191.5	180.2	123.1	74.9	53.6	32.3	53.6	74.9	123.1
80°	107.0	107.8	109.2	100.0	80.4	61.4	44.4	27.5	44.4	61.4	80.4
82.5°	78.5	77.7	76.4	70.2	59.2	47.8	35.2	22.6	35.2	47.8	59.2
85°	25.6	30.0	35.4	36.5	33.1	28.7	21.2	13.7	21.2	28.7	33.1
87.5°	6.1	6.1	6.1	7.2	9.4	10.3	7.6	4.9	7.6	10.3	9.4
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):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4
2.5°	339.8	346.8	354.4	360.9	364.2	367.4	364.2	360.9	354.4	346.8	339.8
5°	411.0	447.9	489.3	524.7	542.4	560.0	542.4	524.7	489.3	447.9	411.0
7.5°	569.8	676.8	787.8	879.8	915.1	950.3	915.1	879.8	787.8	676.8	569.8
10°	728.4	866.0	962.3	1039.3	1058.3	1077.3	1058.3	1039.3	962.3	866.0	728.4
12.5°	831.9	975.0	1042.5	1098.0	1117.6	1137.1	1117.6	1098.0	1042.5	975.0	831.9
15°	924.0	1071.2	1126.1	1172.7	1194.5	1216.2	1194.5	1172.7	1126.1	1071.2	924.0
17.5°	975.0	1118.5	1172.9	1216.7	1228.5	1240.3	1228.5	1216.7	1172.9	1118.5	975.0
20°	1004.7	1140.4	1187.2	1224.1	1231.6	1239.0	1231.6	1224.1	1187.2	1140.4	1004.7
22.5°	1026.3	1153.0	1188.4	1216.9	1224.9	1232.9	1224.9	1216.9	1188.4	1153.0	1026.3
25°	1047.6	1163.3	1185.6	1203.8	1209.2	1214.6	1209.2	1203.8	1185.6	1163.3	1047.6
27.5°	1044.2	1152.1	1166.7	1179.0	1184.3	1189.6	1184.3	1179.0	1166.7	1152.1	1044.2
30°	1035.1	1139.2	1150.0	1160.0	1167.5	1175.0	1167.5	1160.0	1150.0	1139.2	1035.1
32.5°	1021.1	1123.0	1133.3	1145.1	1161.3	1177.4	1161.3	1145.1	1133.3	1123.0	1021.1
35°	995.1	1099.2	1115.4	1135.1	1164.9	1194.8	1164.9	1135.1	1115.4	1099.2	995.1
37.5°	959.2	1072.6	1106.7	1139.4	1168.2	1196.9	1168.2	1139.4	1106.7	1072.6	959.2
40°	933.0	1052.7	1098.1	1138.3	1162.7	1187.2	1162.7	1138.3	1098.1	1052.7	933.0
42.5°	902.9	1027.2	1080.2	1126.1	1150.5	1175.0	1150.5	1126.1	1080.2	1027.2	902.9
45°	855.2	986.4	1048.8	1101.4	1124.4	1147.5	1124.4	1101.4	1048.8	986.4	855.2
47.5°	808.5	946.2	1012.4	1066.2	1083.1	1099.9	1083.1	1066.2	1012.4	946.2	808.5
50°	777.2	917.6	982.7	1034.9	1048.5	1062.0	1048.5	1034.9	982.7	917.6	777.2
52.5°	746.1	887.6	948.9	998.0	1010.5	1023.0	1010.5	998.0	948.9	887.6	746.1
55°	697.0	837.0	890.6	933.5	944.4	955.2	944.4	933.5	890.6	837.0	697.0
57.5°	644.7	780.0	825.7	862.2	871.0	879.8	871.0	862.2	825.7	780.0	644.7
60°	606.5	736.3	777.7	810.9	819.8	828.6	819.8	810.9	777.7	736.3	606.5
62.5°	565.0	688.3	726.4	757.1	765.4	773.6	765.4	757.1	726.4	688.3	565.0
65°	501.7	612.6	644.4	669.7	675.1	680.6	675.1	669.7	644.4	612.6	501.7
67.5°	436.6	529.3	549.1	561.4	551.3	541.1	551.3	561.4	549.1	529.3	436.6
70°	393.3	470.3	477.1	474.9	445.7	416.6	445.7	474.9	477.1	470.3	393.3
72.5°	346.0	402.1	387.2	362.2	307.0	251.8	307.0	362.2	387.2	402.1	346.0
75°	269.9	284.8	219.7	171.2	172.6	174.0	172.6	219.7	284.8	269.9	
77.5°	180.2	191.5	157.1	131.5	132.8	134.0	132.8	157.1	191.5	180.2	
80°	100.0	109.2	107.8	107.0	107.7	108.3	107.7	107.0	107.8	109.2	100.0
82.5°	70.2	76.4	77.7	78.5	77.6	76.6	77.6	78.5	77.7	76.4	70.2
85°	36.5	35.4	30.0	25.6	24.2	22.9	24.2	30.0	35.4	36.5	
87.5°	7.2	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	7.2
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: P1435894

CATALOG NUMBER: SQ2W-FB-0U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	317.4	317.4	317.4	317.4
2.5°	333.3	326.9	320.9	314.9
5°	378.4	348.9	328.6	308.2
7.5°	466.7	379.1	337.7	296.3
10°	549.3	400.6	343.0	285.3
12.5°	613.2	429.7	351.4	273.1
15°	684.6	477.1	365.2	253.3
17.5°	742.4	530.7	381.8	232.9
20°	780.2	568.1	393.2	218.2
22.5°	808.3	596.0	400.4	204.8
25°	838.7	627.0	406.6	186.2
27.5°	843.0	633.9	401.0	168.2
30°	837.7	630.5	393.9	157.2
32.5°	827.6	622.9	385.2	147.4
35°	803.1	600.7	366.7	132.8
37.5°	766.3	565.9	343.1	120.2
40°	739.1	540.2	326.5	112.9
42.5°	707.3	510.1	307.8	105.6
45°	655.1	459.6	277.9	96.1
47.5°	599.4	403.0	245.2	87.3
50°	561.5	364.5	223.5	82.4
52.5°	524.5	327.1	202.3	77.5
55°	470.5	275.2	173.4	71.7
57.5°	419.8	230.7	148.6	66.5
60°	388.1	206.5	135.3	64.1
62.5°	356.4	184.4	122.4	60.4
65°	311.8	156.8	106.6	56.5
67.5°	271.0	136.1	93.6	51.0
70°	246.2	126.0	86.6	47.3
72.5°	218.9	114.9	79.9	44.9
75°	175.0	96.6	68.2	39.7
77.5°	123.1	74.9	53.6	32.3
80°	80.4	61.4	44.4	27.5
82.5°	59.2	47.8	35.2	22.6
85°	33.1	28.7	21.2	13.7
87.5°	9.4	10.3	7.6	4.9
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1435894

CATALOG NUMBER: SQ2W-FB-0U-075D-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	15.62	17.30	15.98	17.62	17.93	25.21	26.90	25.58	27.21	27.52
	3H	16.61	18.14	16.99	18.46	18.82	26.88	28.40	27.25	28.73	29.09
	4H	17.05	18.48	17.45	18.83	19.21	27.09	28.53	27.49	28.87	29.25
	6H	17.34	18.68	17.75	19.04	19.43	27.21	28.54	27.62	28.90	29.29
	8H	17.46	18.73	17.88	19.12	19.52	27.25	28.52	27.67	28.91	29.31
	12H	17.54	18.75	17.97	19.14	19.56	27.25	28.47	27.68	28.85	29.28
4H	2H	20.43	21.87	20.83	22.21	22.59	25.67	27.11	26.07	27.46	27.83
	3H	21.63	22.84	22.04	23.23	23.63	27.64	28.84	28.04	29.23	29.63
	4H	21.95	23.04	22.38	23.45	23.88	27.89	28.98	28.32	29.39	29.83
	6H	22.14	23.08	22.59	23.52	23.98	28.07	29.02	28.53	29.46	29.91
	8H	22.20	23.08	22.66	23.52	23.99	28.14	29.02	28.60	29.47	29.93
	12H	22.24	23.03	22.72	23.51	23.98	28.16	28.96	28.64	29.43	29.90
8H	4H	23.21	24.10	23.67	24.54	25.00	28.05	28.94	28.51	29.38	29.84
	6H	23.51	24.24	24.00	24.73	25.20	28.29	29.02	28.78	29.51	29.98
	8H	23.62	24.28	24.13	24.78	25.27	28.39	29.05	28.90	29.55	30.04
	12H	23.70	24.28	24.21	24.77	25.33	28.44	29.01	28.94	29.50	30.06
12H	4H	23.28	24.07	23.76	24.55	25.02	28.05	28.84	28.53	29.32	29.78
	6H	23.63	24.28	24.14	24.79	25.28	28.28	28.94	28.79	29.44	29.93
	8H	23.81	24.38	24.31	24.87	25.43	28.42	29.00	28.93	29.49	30.05