

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: P1435918

Luminaire Tested: SQ2W-FB-K-025U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435918
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-K-025U-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 250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

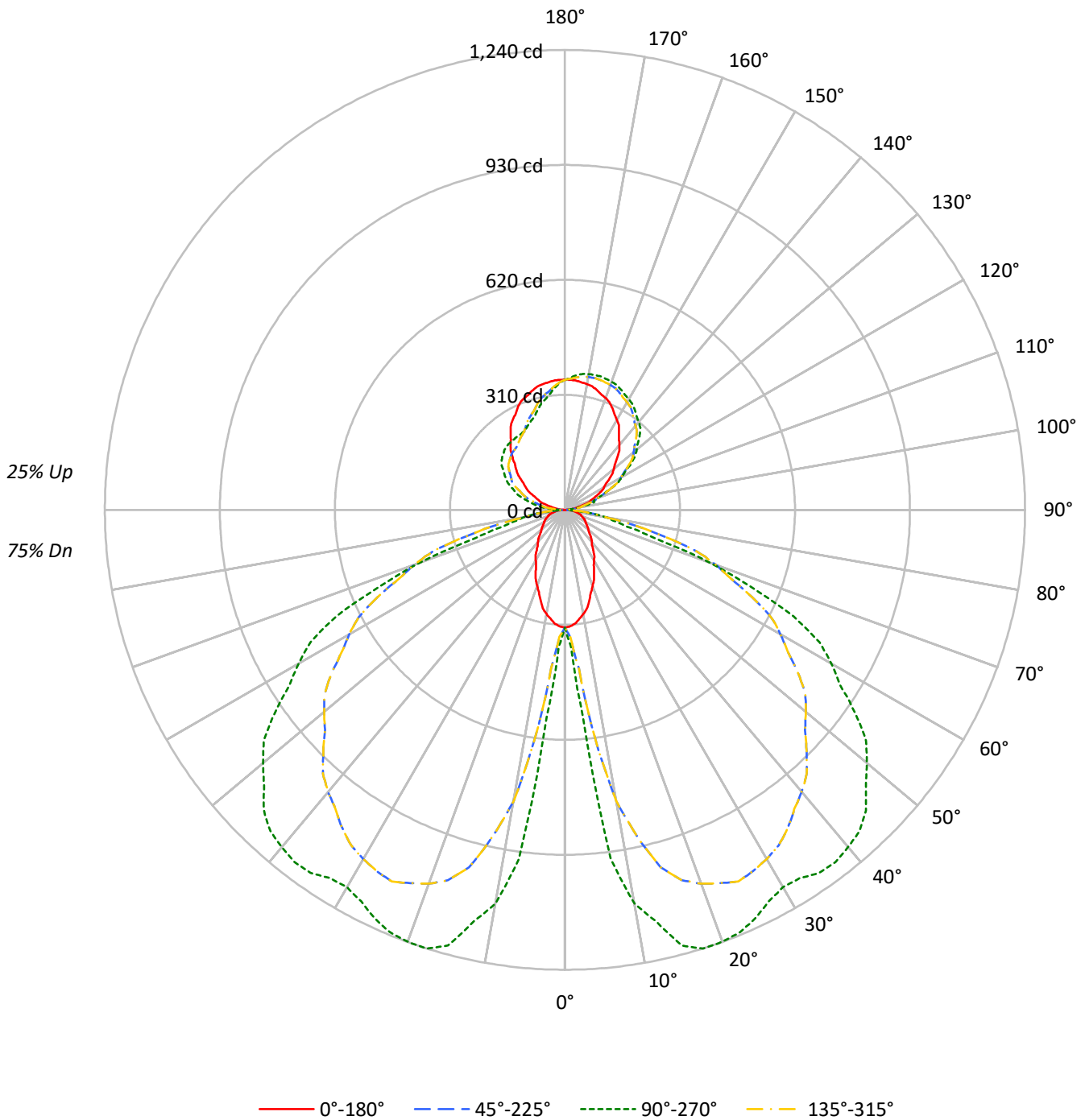
Lumens per Lamp: N/A
Luminaire Lumens: 4160.1 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 34.2
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				
RC	80					70					50					30				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75		
1	103	99	94	91	98	94	90	87	85	82	80	77	75	73	70	68	67	63		
2	94	85	79	73	89	82	76	70	74	69	65	67	63	60	61	58	55	52		
3	85	75	67	60	80	71	64	58	65	59	54	59	54	50	53	49	46	43		
4	77	66	57	50	73	63	55	49	57	51	45	52	46	42	47	43	39	36		
5	71	58	49	43	67	55	47	41	51	44	39	46	40	36	42	37	33	31		
6	65	52	43	37	61	50	41	36	45	38	33	41	36	31	38	33	29	26		
7	60	47	38	32	57	45	37	31	41	34	29	37	32	27	34	29	25	23		
8	55	42	34	28	53	40	33	27	37	30	26	34	28	24	31	26	22	20		
9	52	38	30	25	49	37	29	24	34	27	23	31	25	21	28	24	20	18		
10	48	35	27	22	46	34	26	22	31	25	20	29	23	19	26	21	18	16		

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	1.3
10°-20°	242.6	5.8
20°-30°	427.0	10.3
30°-40°	552.7	13.3
40°-50°	609.5	14.7
50°-60°	568.9	13.7
60°-70°	439.5	10.6
70°-80°	202.6	4.9
80°-90°	40.2	1.0
90°-100°	27.9	0.7
100°-110°	81.4	2.0
110°-120°	132.8	3.2
120°-130°	168.5	4.1
130°-140°	180.3	4.3
140°-150°	168.4	4.0
150°-160°	138.6	3.3
160°-170°	92.9	2.2
170°-180°	33.0	0.8
0°-30°	722.8	17.4
0°-40°	1275.4	30.7
0°-60°	2453.8	59.0
0°-90°	3136.1	75.4
90°-120°	242.1	5.8
90°-150°	759.4	18.3
90°-180°	1024.0	24.6
0°-180°	4160.1	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	14
90°	1	8	1	15	1	2
95°	11	8	11	48	11	13
105°	52	83	52	114	52	55
115°	99	137	99	169	99	98
125°	147	218	147	208	147	131
135°	199	285	199	230	199	154
145°	255	329	255	235	255	159
155°	302	357	302	244	302	139
165°	334	372	334	280	334	94
175°	350	364	350	329	350	33
180°	351	351	351	351	351	



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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°	5.1	8.1	11.2	10.5	8.5	7.5	7.5	7.6	7.7	7.7	7.7
90°	1.1	2.5	4.3	5.7	6.7	7.1	7.1	7.4	7.8	7.8	7.8
92.5°	3.9	6.2	6.2	6.2	7.6	8.2	8.8	8.9	9.2	9.2	9.2
95°	11.0	12.0	18.1	17.7	12.0	9.6	8.1	8.1	8.1	8.1	8.1
97.5°	21.0	22.5	23.5	31.5	33.3	32.2	26.2	22.0	19.7	18.6	19.7
100°	29.8	30.5	32.6	32.9	41.8	50.3	46.0	40.7	39.0	37.9	39.0
102.5°	38.5	39.0	42.2	43.7	45.8	50.6	65.3	63.7	62.5	62.3	62.5
105°	51.7	52.1	58.1	60.9	62.3	62.3	62.0	69.1	80.4	82.9	80.4
107.5°	65.8	67.4	74.5	82.1	83.7	84.2	82.3	81.3	80.8	81.1	80.8
110°	75.4	77.9	86.4	96.0	98.5	99.2	98.5	97.4	96.7	96.7	96.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	84.8	88.4	98.0	109.0	113.2	115.3	113.8	113.0	112.3	112.9	112.3
115°	99.2	104.5	117.2	128.6	137.1	138.1	137.8	137.8	137.4	137.4	137.4
117.5°	112.5	121.0	135.3	148.5	158.3	161.2	162.6	162.2	161.7	162.4	161.7
120°	121.9	131.8	148.1	162.9	172.5	176.8	178.2	177.5	178.2	177.5	178.2
122.5°	131.8	144.0	160.0	175.4	186.7	191.5	193.2	193.3	193.5	193.1	193.5
125°	146.6	161.5	180.3	196.2	207.9	213.6	215.0	215.4	216.1	217.8	216.1
127.5°	161.7	178.5	199.1	214.5	226.5	233.4	235.6	236.3	237.8	238.6	237.8
130°	172.2	191.3	212.2	226.7	238.4	245.8	249.7	250.8	252.6	252.2	252.6
132.5°	183.2	203.2	224.4	239.5	250.3	258.3	261.6	264.7	265.3	265.8	265.3
135°	199.4	221.0	242.3	257.2	267.4	275.2	279.5	282.3	284.1	285.1	284.1
137.5°	216.5	239.3	259.7	273.0	283.3	290.0	294.9	297.8	299.7	300.5	299.7
140°	228.1	250.1	269.9	283.7	292.9	299.7	303.9	307.5	309.6	309.6	309.6
142.5°	239.2	260.9	280.1	293.9	302.0	308.2	312.7	315.4	317.8	317.8	317.8
145°	254.7	276.3	294.0	307.8	314.6	320.2	325.2	327.3	328.7	328.7	328.7
147.5°	270.9	290.0	306.2	319.4	325.1	331.8	335.7	337.4	339.1	338.4	339.1
150°	280.5	298.3	313.8	326.2	331.9	338.3	342.2	343.6	345.4	344.3	345.4
152.5°	289.9	306.8	320.9	332.5	337.3	343.7	348.1	349.5	350.8	350.0	350.8
155°	302.5	317.4	330.5	341.1	345.4	351.4	355.6	357.4	358.8	357.1	358.8
157.5°	313.8	326.6	338.0	347.8	352.3	357.5	361.4	363.6	365.1	364.3	365.1
160°	320.6	332.3	342.5	351.7	356.0	360.6	364.9	367.3	368.7	367.7	368.7
162.5°	326.2	336.8	346.5	354.9	358.5	362.6	367.7	369.9	371.3	370.0	371.3
165°	334.4	342.9	351.4	358.5	361.7	364.9	370.2	372.6	373.7	372.3	373.7
167.5°	340.6	347.1	353.9	360.0	362.4	365.5	370.8	372.9	374.2	372.4	374.2
170°	344.0	349.6	355.6	360.6	362.4	365.2	370.5	372.3	373.4	371.6	373.4
172.5°	346.8	351.0	355.9	360.3	361.2	363.5	368.5	370.3	371.1	369.6	371.1
175°	349.6	352.1	355.6	358.5	358.1	359.5	363.8	365.2	366.6	364.5	366.6
177.5°	351.0	352.1	353.2	354.9	353.8	353.8	356.9	357.8	358.0	356.9	358.0
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



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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°	7.6	7.5	7.5	8.5	10.5	11.2	8.1	5.1	8.1	11.1	10.6
90°	7.4	7.1	7.1	6.7	5.7	4.3	2.5	1.1	2.5	3.9	6.4
92.5°	8.9	8.8	8.2	7.6	6.2	6.2	6.2	3.9	6.7	9.6	13.7
95°	8.1	8.1	9.6	12.0	17.7	18.1	12.0	11.0	15.6	22.0	27.6
97.5°	22.0	26.2	32.2	33.3	31.5	23.5	22.5	21.0	28.6	34.9	44.0
100°	40.7	46.0	50.3	41.8	32.9	32.6	30.5	29.8	37.9	43.9	52.8
102.5°	63.7	65.3	50.6	45.8	43.7	42.2	39.0	38.5	46.7	55.0	62.4
105°	69.1	62.0	62.3	62.3	60.9	58.1	52.1	51.7	60.9	70.5	79.7
107.5°	81.3	82.3	84.2	83.7	82.1	74.5	67.4	65.8	74.1	85.6	95.7
110°	97.4	98.5	99.2	98.5	96.0	86.4	77.9	75.4	82.9	94.9	105.9



TEST NUMBER: P1435918

CATALOG NUMBER: SQ2W-FB-K-025U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	113.0	113.8	115.3	113.2	109.0	98.0	88.4	84.8	92.2	104.6	115.8
115°	137.8	137.8	138.1	137.1	128.6	117.2	104.5	99.2	105.6	116.9	129.3
117.5°	162.2	162.6	161.2	158.3	148.5	135.3	121.0	112.5	117.5	129.5	142.3
120°	177.5	178.2	176.8	172.5	162.9	148.1	131.8	121.9	125.7	137.4	150.2
122.5°	193.3	193.2	191.5	186.7	175.4	160.0	144.0	131.8	133.4	144.2	156.7
125°	215.4	215.0	213.6	207.9	196.2	180.3	161.5	146.6	144.5	153.7	166.5
127.5°	236.3	235.6	233.4	226.5	214.5	199.1	178.5	161.7	156.9	162.7	174.4
130°	250.8	249.7	245.8	238.4	226.7	212.2	191.3	172.2	165.4	169.0	179.2
132.5°	264.7	261.6	258.3	250.3	239.5	224.4	203.2	183.2	173.9	175.5	183.5
135°	282.3	279.5	275.2	267.4	257.2	242.3	221.0	199.4	186.7	185.3	189.9
137.5°	297.8	294.9	290.0	283.3	273.0	259.7	239.3	216.5	200.4	195.7	197.4
140°	307.5	303.9	299.7	292.9	283.7	269.9	250.1	228.1	210.1	203.3	202.3
142.5°	315.4	312.7	308.2	302.0	293.9	280.1	260.9	239.2	220.0	211.3	208.8
145°	327.3	325.2	320.2	314.6	307.8	294.0	276.3	254.7	235.6	224.2	218.9
147.5°	337.4	335.7	331.8	325.1	319.4	306.2	290.0	270.9	251.3	237.3	230.4
150°	343.6	342.2	338.3	331.9	326.2	313.8	298.3	280.5	261.8	246.9	238.0
152.5°	349.5	348.1	343.7	337.3	332.5	320.9	306.8	289.9	270.8	256.0	246.8
155°	357.4	355.6	351.4	345.4	341.1	330.5	317.4	302.5	286.2	270.6	260.4
157.5°	363.6	361.4	357.5	352.3	347.8	338.0	326.6	313.8	299.5	284.7	274.2
160°	367.3	364.9	360.6	356.0	351.7	342.5	332.3	320.6	307.5	294.0	282.7
162.5°	369.9	367.7	362.6	358.5	354.9	346.5	336.8	326.2	314.6	302.8	292.3
165°	372.6	370.2	364.9	361.7	358.5	351.4	342.9	334.4	324.5	314.9	306.4
167.5°	372.9	370.8	365.5	362.4	360.0	353.9	347.1	340.6	332.8	325.3	318.2
170°	372.3	370.5	365.2	362.4	360.6	355.6	349.6	344.0	337.9	331.6	325.9
172.5°	370.3	368.5	363.5	361.2	360.3	355.9	351.0	346.8	341.6	336.9	332.4
175°	365.2	363.8	359.5	358.1	358.5	355.6	352.1	349.6	346.4	343.6	341.1
177.5°	357.8	356.9	353.8	353.8	354.9	353.2	352.1	351.0	349.5	348.7	347.8
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1435918

CATALOG NUMBER: SQ2W-FB-K-025U-075D-L940-UNV-STD-W-WM-4

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	890.6	837.0	746.1	697.0
57.5°	644.7	780.0	825.7	862.2	871.0	879.8	871.0	825.7	780.0	644.7	57.5°
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	75°
77.5°	180.2	191.5	157.1	131.5	132.8	134.0	132.8	157.1	191.5	180.2	77.5°
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	25.6	30.0	35.4	36.5
87.5°	8.8	8.2	8.7	9.0	9.3	9.1	9.3	9.0	8.7	8.2	8.8
90°	8.1	10.6	13.1	14.5	15.9	15.2	15.9	14.5	13.1	10.6	8.1
92.5°	16.4	20.5	23.6	26.1	27.3	27.1	27.3	26.1	23.6	20.5	16.4
95°	32.9	37.9	42.9	46.4	48.5	47.8	48.5	46.4	42.9	37.9	32.9
97.5°	50.8	57.5	63.0	66.3	68.4	69.9	68.4	66.3	63.0	57.5	50.8
100°	62.7	69.1	75.4	79.3	82.9	84.3	82.9	79.3	75.4	69.1	62.7
102.5°	72.3	80.7	87.6	91.8	94.8	96.2	94.8	91.8	87.6	80.7	72.3
105°	88.2	97.1	104.5	109.8	113.0	114.1	113.0	109.8	104.5	97.1	88.2
107.5°	104.1	113.2	120.1	126.0	129.9	132.1	129.9	126.0	120.1	113.2	104.1
110°	116.5	124.0	131.4	136.7	140.6	142.0	140.6	136.7	131.4	124.0	116.5



TEST NUMBER: P1435918

CATALOG NUMBER: SQ2W-FB-K-025U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	127.0	135.3	142.8	148.1	152.5	154.5	152.5	148.1	142.8	135.3	127.0
115°	141.7	152.7	159.4	164.4	167.5	169.3	167.5	164.4	159.4	152.7	141.7
117.5°	153.9	165.4	172.7	176.5	178.0	179.3	178.0	176.5	172.7	165.4	153.9
120°	161.5	172.2	180.7	185.6	187.4	188.1	187.4	185.6	180.7	172.2	161.5
122.5°	168.6	178.7	186.9	193.0	195.9	196.6	195.9	193.0	186.9	178.7	168.6
125°	178.5	188.1	196.6	202.6	205.8	207.6	205.8	202.6	196.6	188.1	178.5
127.5°	187.2	197.5	205.3	210.8	213.9	215.3	213.9	210.8	205.3	197.5	187.2
130°	192.0	202.6	210.4	216.4	219.3	220.7	219.3	216.4	210.4	202.6	192.0
132.5°	195.7	206.9	214.9	220.4	223.5	224.9	223.5	220.4	214.9	206.9	195.7
135°	200.1	211.8	220.3	225.6	228.5	229.9	228.5	225.6	220.3	211.8	200.1
137.5°	204.0	214.7	223.5	229.1	231.7	232.6	231.7	229.1	223.5	214.7	204.0
140°	206.9	216.1	224.9	230.2	233.1	233.4	233.1	230.2	224.9	216.1	206.9
142.5°	210.6	217.8	225.5	230.8	233.6	234.3	233.6	230.8	225.5	217.8	210.6
145°	217.1	221.4	226.7	231.7	234.1	234.9	234.1	231.7	226.7	221.4	217.1
147.5°	225.4	226.8	229.5	232.8	235.2	235.7	235.2	232.8	229.5	226.8	225.4
150°	231.7	231.3	232.4	234.5	236.6	236.3	236.6	234.5	232.4	231.3	231.7
152.5°	238.7	236.7	236.6	237.6	238.6	238.5	238.6	237.6	236.6	236.7	238.7
155°	250.8	246.9	244.8	244.1	244.1	243.7	244.1	244.1	244.8	246.9	250.8
157.5°	264.0	258.6	255.4	253.7	253.2	252.4	253.2	253.7	255.4	258.6	264.0
160°	273.1	267.1	263.9	261.1	260.0	258.9	260.0	261.1	263.9	267.1	273.1
162.5°	281.6	275.9	272.4	269.8	268.8	267.2	268.8	269.8	272.4	275.9	281.6
165°	295.4	289.4	285.5	283.4	282.0	280.5	282.0	283.4	285.5	289.4	295.4
167.5°	309.2	302.6	300.1	297.7	296.3	293.8	296.3	297.7	300.1	302.6	309.2
170°	317.7	311.7	310.3	308.2	305.7	302.9	305.7	308.2	310.3	311.7	317.7
172.5°	325.1	321.1	319.7	317.5	316.7	314.5	316.7	317.5	319.7	321.1	325.1
175°	335.8	332.6	332.6	332.3	331.2	329.1	331.2	332.3	332.6	332.6	335.8
177.5°	344.7	343.0	344.2	344.2	343.9	341.9	343.9	344.2	344.2	343.0	344.7
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1435918

CATALOG NUMBER: SQ2W-FB-K-025U-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°	10.6	11.1	8.1	5.1
90°	6.4	3.9	2.5	1.1
92.5°	13.7	9.6	6.7	3.9
95°	27.6	22.0	15.6	11.0
97.5°	44.0	34.9	28.6	21.0
100°	52.8	43.9	37.9	29.8
102.5°	62.4	55.0	46.7	38.5
105°	79.7	70.5	60.9	51.7
107.5°	95.7	85.6	74.1	65.8
110°	105.9	94.9	82.9	75.4



TEST NUMBER: P1435918

CATALOG NUMBER: SQ2W-FB-K-025U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	115.8	104.6	92.2	84.8
115°	129.3	116.9	105.6	99.2
117.5°	142.3	129.5	117.5	112.5
120°	150.2	137.4	125.7	121.9
122.5°	156.7	144.2	133.4	131.8
125°	166.5	153.7	144.5	146.6
127.5°	174.4	162.7	156.9	161.7
130°	179.2	169.0	165.4	172.2
132.5°	183.5	175.5	173.9	183.2
135°	189.9	185.3	186.7	199.4
137.5°	197.4	195.7	200.4	216.5
140°	202.3	203.3	210.1	228.1
142.5°	208.8	211.3	220.0	239.2
145°	218.9	224.2	235.6	254.7
147.5°	230.4	237.3	251.3	270.9
150°	238.0	246.9	261.8	280.5
152.5°	246.8	256.0	270.8	289.9
155°	260.4	270.6	286.2	302.5
157.5°	274.2	284.7	299.5	313.8
160°	282.7	294.0	307.5	320.6
162.5°	292.3	302.8	314.6	326.2
165°	306.4	314.9	324.5	334.4
167.5°	318.2	325.3	332.8	340.6
170°	325.9	331.6	337.9	344.0
172.5°	332.4	336.9	341.6	346.8
175°	341.1	343.6	346.4	349.6
177.5°	347.8	348.7	349.5	351.0
180°	350.7	350.7	350.7	350.7



TEST NUMBER: P1435918
 CATALOG NUMBER: SQ2W-FB-K-025U-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	13.90	15.10	14.60	15.82	16.67	23.50	24.69	24.20	25.41	26.27
	3H	14.87	15.94	15.58	16.67	17.56	25.13	26.20	25.84	26.94	27.82
	4H	15.28	16.29	16.01	17.04	17.93	25.32	26.34	26.05	27.08	27.98
	6H	15.55	16.49	16.30	17.24	18.15	25.42	26.35	26.16	27.10	28.02
	8H	15.65	16.55	16.41	17.32	18.23	25.44	26.34	26.20	27.11	28.02
	12H	15.72	16.57	16.48	17.33	18.28	25.43	26.28	26.19	27.05	27.99
4H	2H	18.66	19.68	19.40	20.42	21.32	23.90	24.92	24.64	25.66	26.56
	3H	19.82	20.67	20.57	21.45	22.36	25.82	26.67	26.57	27.45	28.36
	4H	20.12	20.89	20.88	21.67	22.61	26.06	26.83	26.82	27.61	28.55
	6H	20.28	20.94	21.06	21.74	22.70	26.21	26.88	26.99	27.68	28.63
	8H	20.32	20.94	21.11	21.74	22.71	26.27	26.89	27.05	27.69	28.65
	12H	20.34	20.90	21.15	21.72	22.69	26.26	26.82	27.07	27.65	28.62
8H	4H	21.34	21.96	22.13	22.76	23.73	26.18	26.80	26.97	27.60	28.57
	6H	21.62	22.13	22.43	22.97	23.94	26.39	26.91	27.21	27.75	28.72
	8H	21.72	22.17	22.55	23.01	24.00	26.49	26.95	27.32	27.79	28.77
	12H	21.78	22.18	22.61	23.01	24.05	26.51	26.91	27.34	27.74	28.78
12H	4H	21.38	21.94	22.19	22.76	23.73	26.15	26.71	26.96	27.53	28.50
	6H	21.73	22.18	22.55	23.02	24.01	26.38	26.84	27.21	27.68	28.66
	8H	21.88	22.28	22.71	23.11	24.15	26.50	26.90	27.33	27.73	28.77