

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: P1428023

Luminaire Tested: SQ2W-PP3-K-025U-100D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428023
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-K-025U-100D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

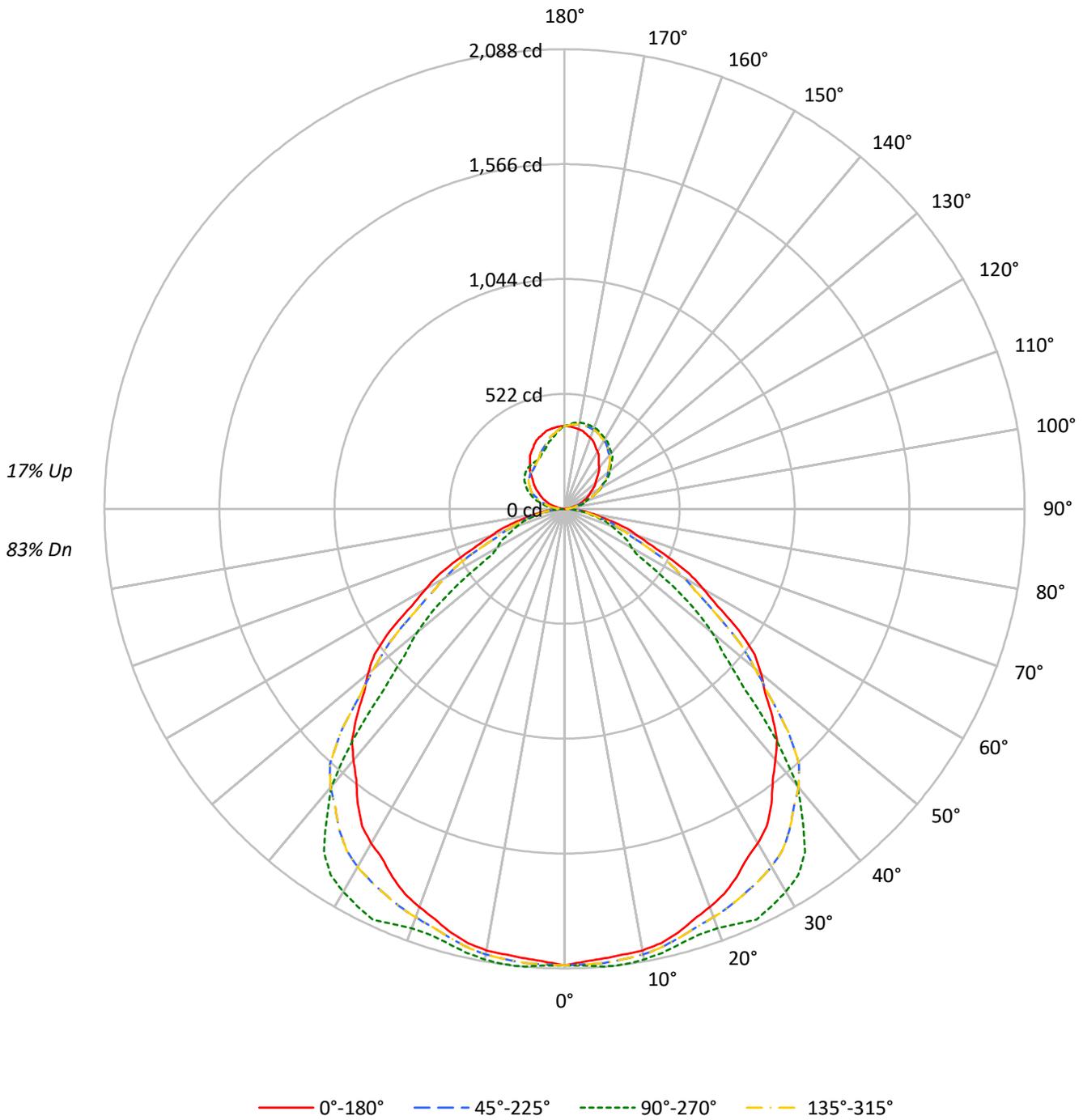
Lumens per Lamp: N/A
Luminaire Lumens: 6320.7 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 45.1
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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	83
1	106	102	98	95	102	98	95	92	91	88	86	84	82	80	78	76	75	72
2	97	90	84	79	93	87	81	77	80	76	72	75	71	68	69	67	64	61
3	89	80	72	67	85	77	70	65	72	66	62	67	62	59	62	59	55	53
4	82	71	63	57	79	69	61	56	64	58	53	60	55	51	56	52	48	46
5	76	64	56	50	72	62	54	49	58	51	46	54	49	44	51	46	42	40
6	70	58	49	44	67	56	48	43	52	46	41	49	44	39	46	41	38	35
7	65	52	44	39	62	51	43	38	48	41	36	45	39	35	42	37	34	31
8	60	48	40	34	58	46	39	34	44	37	33	41	36	31	39	34	30	28
9	56	44	36	31	54	43	35	30	40	34	29	38	32	28	36	31	27	25
10	53	40	33	28	51	39	32	28	37	31	27	35	30	26	33	28	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	33494	33494	33494	33494
5°	33231	33836	33231	33836
10°	33401	34083	33401	34083
15°	33320	34162	33320	34162
20°	33082	34853	33082	34853
25°	32895	36684	32895	36684
30°	32708	37449	32708	37449
35°	32244	37518	32244	37518
40°	31383	34665	31383	34665
45°	30444	26388	30444	26388
50°	29250	21978	29250	21978
55°	27223	15803	27223	15803
60°	23440	11331	23440	11331
65°	19770	11144	19770	11144
70°	16461	10664	16461	10664
75°	13955	9987	13955	9987
80°	11827	8972	11827	8972
85°	9337	4872	9337	4872

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 33305 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.5	3.1
10°-20°	571.7	9.0
20°-30°	895.7	14.2
30°-40°	1104.9	17.5
40°-50°	1040.2	16.5
50°-60°	736.5	11.7
60°-70°	419.7	6.6
70°-80°	207.7	3.3
80°-90°	52.3	0.8
90°-100°	29.8	0.5
100°-110°	87.0	1.4
110°-120°	142.0	2.2
120°-130°	180.2	2.9
130°-140°	192.8	3.0
140°-150°	180.0	2.8
150°-160°	148.1	2.3
160°-170°	99.3	1.6
170°-180°	35.3	0.6
0°-30°	1664.9	26.3
0°-40°	2769.8	43.8
0°-60°	4546.5	71.9
0°-90°	5226.2	82.7
90°-120°	258.8	4.1
90°-150°	811.7	12.8
90°-180°	1094.0	17.3
0°-180°	6320.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2074	2074	2074	2074	2074	
5°	2050	2088	2050	2088	2050	195
15°	1993	2044	1993	2044	1993	562
25°	1846	2059	1846	2059	1846	850
35°	1636	1904	1636	1904	1636	1020
45°	1333	1156	1333	1156	1333	1026
55°	967	561	967	561	967	853
65°	518	292	518	292	518	520
75°	224	160	224	160	224	242
85°	50	26	50	26	50	59
90°	1	8	1	16	1	3
95°	12	9	12	51	12	14
105°	55	89	55	122	55	59
115°	106	147	106	181	106	104
125°	157	233	157	222	157	140
135°	213	305	213	246	213	165
145°	272	351	272	251	272	170
155°	323	382	323	260	323	149
165°	357	398	357	300	357	101
175°	374	390	374	352	374	35
180°	375	375	375	375	375	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5
2.5°	2058.7	2072.0	2085.3	2082.1	2073.6	2070.1	2071.6	2073.2	2074.7	2076.3	2074.7
5°	2050.4	2067.0	2083.6	2081.1	2072.3	2068.9	2070.9	2074.0	2080.9	2087.7	2080.9
7.5°	2042.5	2059.5	2076.4	2074.2	2065.7	2063.0	2066.3	2070.9	2079.3	2087.7	2079.3
10°	2037.3	2051.9	2066.5	2064.3	2056.5	2055.0	2059.9	2065.3	2072.1	2078.9	2072.1
12.5°	2021.5	2035.3	2049.1	2047.3	2040.3	2040.0	2046.5	2052.8	2058.8	2064.9	2058.8
15°	1993.4	2006.1	2018.7	2019.0	2015.1	2017.5	2026.3	2034.1	2039.0	2043.8	2039.0
17.5°	1955.2	1970.6	1986.0	1989.6	1989.2	1995.2	2007.7	2018.3	2023.4	2028.5	2023.4
20°	1925.4	1943.9	1962.5	1968.5	1970.5	1979.3	1994.9	2009.0	2018.7	2028.5	2018.7
22.5°	1893.8	1915.5	1937.1	1945.2	1948.7	1962.1	1985.5	2007.2	2024.0	2040.8	2024.0
25°	1846.5	1867.9	1889.4	1904.9	1918.6	1942.5	1976.6	2008.5	2033.8	2059.2	2033.8
27.5°	1791.2	1812.5	1833.7	1860.5	1889.2	1922.7	1961.1	1994.9	2015.0	2035.1	2015.0
30°	1754.4	1774.8	1795.3	1826.0	1860.1	1897.1	1937.1	1971.7	1990.2	2008.7	1990.2
32.5°	1708.8	1730.0	1751.2	1783.9	1820.3	1860.1	1903.2	1939.7	1956.7	1973.7	1956.7
35°	1635.9	1656.4	1676.9	1714.9	1758.7	1803.1	1847.9	1884.0	1893.7	1903.5	1893.7
37.5°	1552.2	1575.4	1598.6	1641.2	1690.3	1727.5	1752.6	1771.6	1772.2	1772.8	1772.2
40°	1489.0	1519.2	1549.4	1592.1	1638.9	1664.7	1669.6	1670.1	1657.4	1644.7	1657.4
42.5°	1427.6	1466.4	1505.2	1539.5	1572.2	1578.9	1559.6	1531.1	1474.7	1418.4	1474.7
45°	1333.3	1379.1	1424.9	1445.9	1458.6	1415.7	1317.2	1233.7	1194.7	1155.7	1194.7
47.5°	1232.9	1278.1	1323.3	1317.5	1294.7	1229.8	1122.8	1035.8	1008.9	982.0	1008.9
50°	1164.5	1207.3	1250.2	1219.3	1163.7	1090.6	1000.0	925.7	900.3	875.0	900.3
52.5°	1087.3	1125.5	1163.7	1116.9	1041.9	964.9	886.0	817.1	778.5	739.9	778.5
55°	967.1	993.4	1019.7	968.6	891.6	806.8	714.2	635.5	598.4	561.4	598.4
57.5°	822.4	840.9	859.4	819.1	759.3	675.0	566.2	474.3	432.7	391.2	432.7
60°	725.9	740.5	755.1	718.6	665.0	584.5	477.3	391.8	371.3	350.9	371.3
62.5°	638.1	651.2	664.3	626.2	571.0	499.2	410.7	342.5	335.3	328.1	335.3
65°	517.5	530.2	542.9	502.9	445.4	389.4	334.8	293.6	292.6	291.7	292.6
67.5°	411.8	425.7	439.5	401.9	347.1	305.7	277.6	256.3	255.1	253.9	255.1
70°	348.7	363.3	377.9	342.8	291.2	257.6	242.0	229.8	227.8	225.9	227.8
72.5°	296.0	309.9	323.7	293.1	247.7	219.9	209.8	201.9	200.7	199.6	200.7
75°	223.7	234.4	245.1	223.0	189.8	170.8	165.9	162.0	161.1	160.1	161.1
77.5°	162.3	169.1	175.9	161.4	139.8	127.7	125.1	123.0	122.0	121.1	122.0
80°	127.2	130.1	133.0	122.8	108.2	100.4	99.4	98.4	97.5	96.5	97.5
82.5°	95.6	94.6	93.7	87.7	80.1	75.8	74.9	73.7	71.9	70.2	71.9
85°	50.4	48.5	46.5	44.6	42.6	39.7	35.8	32.2	29.2	26.3	29.2
87.5°	16.0	16.3	16.7	14.1	10.4	8.1	7.4	6.9	6.9	6.9	6.9
90°	1.1	2.7	4.5	6.1	7.2	7.6	7.6	8.0	8.3	8.3	8.3
92.5°	4.2	6.6	6.7	6.7	8.1	8.8	9.4	9.5	9.8	9.8	9.8
95°	11.7	12.9	19.3	18.9	12.9	10.2	8.7	8.7	8.7	8.7	8.7
97.5°	22.4	24.1	25.1	33.7	35.6	34.4	28.0	23.6	21.1	19.9	21.1
100°	31.8	32.6	34.8	35.2	44.7	53.8	49.2	43.5	41.6	40.5	41.6
102.5°	41.2	41.6	45.1	46.7	48.9	54.1	69.8	68.1	66.8	66.6	66.8
105°	55.3	55.7	62.1	65.1	66.6	66.6	66.3	73.8	85.9	88.6	85.9
107.5°	70.3	72.1	79.7	87.8	89.5	90.0	88.0	86.9	86.4	86.7	86.4
110°	80.6	83.3	92.4	102.6	105.3	106.0	105.3	104.1	103.4	103.4	103.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	90.6	94.5	104.8	116.5	121.0	123.3	121.6	120.8	120.0	120.6	120.0
115°	106.0	111.7	125.3	137.4	146.5	147.7	147.3	147.3	146.9	146.9	146.9
117.5°	120.3	129.3	144.6	158.7	169.2	172.3	173.8	173.3	172.9	173.6	172.9
120°	130.2	140.8	158.3	174.2	184.4	188.9	190.4	189.7	190.4	189.7	190.4
122.5°	140.8	153.9	171.0	187.5	199.5	204.7	206.5	206.7	206.8	206.4	206.8
125°	156.8	172.7	192.7	209.8	222.3	228.3	229.8	230.2	231.0	232.9	231.0
127.5°	172.8	190.8	212.9	229.3	242.1	249.4	251.8	252.6	254.2	255.0	254.2
130°	184.0	204.5	226.8	242.3	254.8	262.8	266.9	268.1	270.0	269.6	270.0
132.5°	195.8	217.2	239.8	256.0	267.5	276.1	279.7	282.9	283.6	284.1	283.6
135°	213.2	236.3	259.0	274.9	285.9	294.2	298.7	301.8	303.7	304.8	303.7
137.5°	231.4	255.8	277.6	291.8	302.8	310.0	315.2	318.4	320.3	321.2	320.3
140°	243.8	267.3	288.5	303.3	313.1	320.3	324.9	328.6	330.9	330.9	330.9
142.5°	255.6	278.8	299.4	314.2	322.8	329.4	334.3	337.1	339.7	339.7	339.7
145°	272.2	295.3	314.3	329.0	336.2	342.3	347.6	349.9	351.4	351.4	351.4
147.5°	289.6	310.0	327.3	341.4	347.5	354.6	358.8	360.6	362.5	361.7	362.5
150°	299.9	318.8	335.5	348.7	354.8	361.6	365.8	367.3	369.2	368.0	369.2
152.5°	309.9	327.9	343.0	355.4	360.5	367.3	372.1	373.6	374.9	374.1	374.9
155°	323.3	339.3	353.3	364.6	369.2	375.6	380.1	382.0	383.6	381.7	383.6
157.5°	335.4	349.1	361.3	371.7	376.6	382.1	386.4	388.7	390.2	389.4	390.2
160°	342.7	355.2	366.1	376.0	380.5	385.4	390.0	392.6	394.2	393.0	394.2
162.5°	348.7	360.0	370.4	379.3	383.2	387.6	393.0	395.4	396.9	395.4	396.9
165°	357.4	366.5	375.6	383.2	386.6	390.0	395.7	398.3	399.5	397.9	399.5
167.5°	364.0	371.0	378.3	384.8	387.3	390.7	396.3	398.5	400.0	398.1	400.0
170°	367.6	373.7	380.1	385.4	387.3	390.4	396.0	397.9	399.1	397.2	399.1
172.5°	370.7	375.2	380.4	385.1	386.1	388.5	393.9	395.8	396.7	395.1	396.7
175°	373.7	376.4	380.1	383.2	382.8	384.3	388.9	390.4	391.9	389.6	391.9
177.5°	375.1	376.4	377.6	379.4	378.2	378.2	381.5	382.4	382.7	381.5	382.7
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5
2.5°	2073.2	2071.6	2070.1	2073.6	2082.1	2085.3	2072.0	2058.7	2072.0	2085.3	2082.1
5°	2074.0	2070.9	2068.9	2072.3	2081.1	2083.6	2067.0	2050.4	2067.0	2083.6	2081.1
7.5°	2070.9	2066.3	2063.0	2065.7	2074.2	2076.4	2059.5	2042.5	2059.5	2076.4	2074.2
10°	2065.3	2059.9	2055.0	2056.5	2064.3	2066.5	2051.9	2037.3	2051.9	2066.5	2064.3
12.5°	2052.8	2046.5	2040.0	2040.3	2047.3	2049.1	2035.3	2021.5	2035.3	2049.1	2047.3
15°	2034.1	2026.3	2017.5	2015.1	2019.0	2018.7	2006.1	1993.4	2006.1	2018.7	2019.0
17.5°	2018.3	2007.7	1995.2	1989.2	1989.6	1986.0	1970.6	1955.2	1970.6	1986.0	1989.6
20°	2009.0	1994.9	1979.3	1970.5	1968.5	1962.5	1943.9	1925.4	1943.9	1962.5	1968.5
22.5°	2007.2	1985.5	1962.1	1948.7	1945.2	1937.1	1915.5	1893.8	1915.5	1937.1	1945.2
25°	2008.5	1976.6	1942.5	1918.6	1904.9	1889.4	1867.9	1846.5	1867.9	1889.4	1904.9
27.5°	1994.9	1961.1	1922.7	1889.2	1860.5	1833.7	1812.5	1791.2	1812.5	1833.7	1860.5
30°	1971.7	1937.1	1897.1	1860.1	1826.0	1795.3	1774.8	1754.4	1774.8	1795.3	1826.0
32.5°	1939.7	1903.2	1860.1	1820.3	1783.9	1751.2	1730.0	1708.8	1730.0	1751.2	1783.9
35°	1884.0	1847.9	1803.1	1758.7	1714.9	1676.9	1656.4	1635.9	1656.4	1676.9	1714.9
37.5°	1771.6	1752.6	1727.5	1690.3	1641.2	1598.6	1575.4	1552.2	1575.4	1598.6	1641.2
40°	1670.1	1669.6	1664.7	1638.9	1592.1	1549.4	1519.2	1489.0	1519.2	1549.4	1592.1
42.5°	1531.1	1559.6	1578.9	1572.2	1539.5	1505.2	1466.4	1427.6	1466.4	1505.2	1539.5
45°	1233.7	1317.2	1415.7	1458.6	1445.9	1424.9	1379.1	1333.3	1379.1	1424.9	1445.9
47.5°	1035.8	1122.8	1229.8	1294.7	1317.5	1323.3	1278.1	1232.9	1278.1	1323.3	1317.5
50°	925.7	1000.0	1090.6	1163.7	1219.3	1250.2	1207.3	1164.5	1207.3	1250.2	1219.3
52.5°	817.1	886.0	964.9	1041.9	1116.9	1163.7	1125.5	1087.3	1125.5	1163.7	1116.9
55°	635.5	714.2	806.8	891.6	968.6	1019.7	993.4	967.1	993.4	1019.7	968.6
57.5°	474.3	566.2	675.0	759.3	819.1	859.4	840.9	822.4	840.9	859.4	819.1
60°	391.8	477.3	584.5	665.0	718.6	755.1	740.5	725.9	740.5	755.1	718.6
62.5°	342.5	410.7	499.2	571.0	626.2	664.3	651.2	638.1	651.2	664.3	626.2
65°	293.6	334.8	389.4	445.4	502.9	542.9	530.2	517.5	530.2	542.9	502.9
67.5°	256.3	277.6	305.7	347.1	401.9	439.5	425.7	411.8	425.7	439.5	401.9
70°	229.8	242.0	257.6	291.2	342.8	377.9	363.3	348.7	363.3	377.9	342.8
72.5°	201.9	209.8	219.9	247.7	293.1	323.7	309.9	296.0	309.9	323.7	293.1
75°	162.0	165.9	170.8	189.8	223.0	245.1	234.4	223.7	234.4	245.1	223.0
77.5°	123.0	125.1	127.7	139.8	161.4	175.9	169.1	162.3	169.1	175.9	161.4
80°	98.4	99.4	100.4	108.2	122.8	133.0	130.1	127.2	130.1	133.0	122.8
82.5°	73.7	74.9	75.8	80.1	87.7	93.7	94.6	95.6	94.6	93.7	87.7
85°	32.2	35.8	39.7	42.6	44.6	46.5	48.5	50.4	48.5	46.5	44.6
87.5°	6.9	7.4	8.1	10.4	14.1	16.7	16.3	16.0	16.3	16.6	14.2
90°	8.0	7.6	7.6	7.2	6.1	4.5	2.7	1.1	2.7	4.2	6.8
92.5°	9.5	9.4	8.8	8.1	6.7	6.7	6.6	4.2	7.2	10.2	14.7
95°	8.7	8.7	10.2	12.9	18.9	19.3	12.9	11.7	16.7	23.5	29.5
97.5°	23.6	28.0	34.4	35.6	33.7	25.1	24.1	22.4	30.5	37.3	47.0
100°	43.5	49.2	53.8	44.7	35.2	34.8	32.6	31.8	40.5	46.9	56.4
102.5°	68.1	69.8	54.1	48.9	46.7	45.1	41.6	41.2	49.9	58.8	66.7
105°	73.8	66.3	66.6	66.6	65.1	62.1	55.7	55.3	65.1	75.3	85.2
107.5°	86.9	88.0	90.0	89.5	87.8	79.7	72.1	70.3	79.2	91.5	102.3
110°	104.1	105.3	106.0	105.3	102.6	92.4	83.3	80.6	88.6	101.5	113.2



TEST NUMBER: P1428023

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	120.8	121.6	123.3	121.0	116.5	104.8	94.5	90.6	98.6	111.8	123.8
115°	147.3	147.3	147.7	146.5	137.4	125.3	111.7	106.0	112.8	124.9	138.2
117.5°	173.3	173.8	172.3	169.2	158.7	144.6	129.3	120.3	125.6	138.4	152.1
120°	189.7	190.4	188.9	184.4	174.2	158.3	140.8	130.2	134.4	146.9	160.5
122.5°	206.7	206.5	204.7	199.5	187.5	171.0	153.9	140.8	142.6	154.2	167.5
125°	230.2	229.8	228.3	222.3	209.8	192.7	172.7	156.8	154.5	164.3	178.0
127.5°	252.6	251.8	249.4	242.1	229.3	212.9	190.8	172.8	167.7	173.9	186.4
130°	268.1	266.9	262.8	254.8	242.3	226.8	204.5	184.0	176.8	180.6	191.6
132.5°	282.9	279.7	276.1	267.5	256.0	239.8	217.2	195.8	185.9	187.6	196.1
135°	301.8	298.7	294.2	285.9	274.9	259.0	236.3	213.2	199.5	198.0	202.9
137.5°	318.4	315.2	310.0	302.8	291.8	277.6	255.8	231.4	214.2	209.2	211.0
140°	328.6	324.9	320.3	313.1	303.3	288.5	267.3	243.8	224.5	217.3	216.2
142.5°	337.1	334.3	329.4	322.8	314.2	299.4	278.8	255.6	235.1	225.8	223.2
145°	349.9	347.6	342.3	336.2	329.0	314.3	295.3	272.2	251.8	239.7	234.0
147.5°	360.6	358.8	354.6	347.5	341.4	327.3	310.0	289.6	268.6	253.6	246.3
150°	367.3	365.8	361.6	354.8	348.7	335.5	318.8	299.9	279.8	263.9	254.4
152.5°	373.6	372.1	367.3	360.5	355.4	343.0	327.9	309.9	289.5	273.6	263.8
155°	382.0	380.1	375.6	369.2	364.6	353.3	339.3	323.3	305.9	289.3	278.3
157.5°	388.7	386.4	382.1	376.6	371.7	361.3	349.1	335.4	320.2	304.3	293.1
160°	392.6	390.0	385.4	380.5	376.0	366.1	355.2	342.7	328.6	314.3	302.1
162.5°	395.4	393.0	387.6	383.2	379.3	370.4	360.0	348.7	336.2	323.7	312.4
165°	398.3	395.7	390.0	386.6	383.2	375.6	366.5	357.4	346.8	336.6	327.5
167.5°	398.5	396.3	390.7	387.3	384.8	378.3	371.0	364.0	355.8	347.7	340.2
170°	397.9	396.0	390.4	387.3	385.4	380.1	373.7	367.6	361.2	354.4	348.3
172.5°	395.8	393.9	388.5	386.1	385.1	380.4	375.2	370.7	365.1	360.2	355.3
175°	390.4	388.9	384.3	382.8	383.2	380.1	376.4	373.7	370.3	367.3	364.6
177.5°	382.4	381.5	378.2	378.2	379.4	377.6	376.4	375.1	373.6	372.7	371.8
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



TEST NUMBER: P1428023

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5	2074.5
2.5°	2073.6	2070.1	2071.6	2073.2	2074.7	2076.3	2074.7	2073.2	2071.6	2070.1	2073.6
5°	2072.3	2068.9	2070.9	2074.0	2080.9	2087.7	2080.9	2074.0	2070.9	2068.9	2072.3
7.5°	2065.7	2063.0	2066.3	2070.9	2079.3	2087.7	2079.3	2070.9	2066.3	2063.0	2065.7
10°	2056.5	2055.0	2059.9	2065.3	2072.1	2078.9	2072.1	2065.3	2059.9	2055.0	2056.5
12.5°	2040.3	2040.0	2046.5	2052.8	2058.8	2064.9	2058.8	2052.8	2046.5	2040.0	2040.3
15°	2015.1	2017.5	2026.3	2034.1	2039.0	2043.8	2039.0	2034.1	2026.3	2017.5	2015.1
17.5°	1989.2	1995.2	2007.7	2018.3	2023.4	2028.5	2023.4	2018.3	2007.7	1995.2	1989.2
20°	1970.5	1979.3	1994.9	2009.0	2018.7	2028.5	2018.7	2009.0	1994.9	1979.3	1970.5
22.5°	1948.7	1962.1	1985.5	2007.2	2024.0	2040.8	2024.0	2007.2	1985.5	1962.1	1948.7
25°	1918.6	1942.5	1976.6	2008.5	2033.8	2059.2	2033.8	2008.5	1976.6	1942.5	1918.6
27.5°	1889.2	1922.7	1961.1	1994.9	2015.0	2035.1	2015.0	1994.9	1961.1	1922.7	1889.2
30°	1860.1	1897.1	1937.1	1971.7	1990.2	2008.7	1990.2	1971.7	1937.1	1897.1	1860.1
32.5°	1820.3	1860.1	1903.2	1939.7	1956.7	1973.7	1956.7	1939.7	1903.2	1860.1	1820.3
35°	1758.7	1803.1	1847.9	1884.0	1893.7	1903.5	1893.7	1884.0	1847.9	1803.1	1758.7
37.5°	1690.3	1727.5	1752.6	1771.6	1772.2	1772.8	1772.2	1771.6	1752.6	1727.5	1690.3
40°	1638.9	1664.7	1669.6	1670.1	1657.4	1644.7	1657.4	1670.1	1669.6	1664.7	1638.9
42.5°	1572.2	1578.9	1559.6	1531.1	1474.7	1418.4	1474.7	1531.1	1559.6	1578.9	1572.2
45°	1458.6	1415.7	1317.2	1233.7	1194.7	1155.7	1194.7	1233.7	1317.2	1415.7	1458.6
47.5°	1294.7	1229.8	1122.8	1035.8	1008.9	982.0	1008.9	1035.8	1122.8	1229.8	1294.7
50°	1163.7	1090.6	1000.0	925.7	900.3	875.0	900.3	925.7	1000.0	1090.6	1163.7
52.5°	1041.9	964.9	886.0	817.1	778.5	739.9	778.5	817.1	886.0	964.9	1041.9
55°	891.6	806.8	714.2	635.5	598.4	561.4	598.4	635.5	714.2	806.8	891.6
57.5°	759.3	675.0	566.2	474.3	432.7	391.2	432.7	474.3	566.2	675.0	759.3
60°	665.0	584.5	477.3	391.8	371.3	350.9	371.3	391.8	477.3	584.5	665.0
62.5°	571.0	499.2	410.7	342.5	335.3	328.1	335.3	342.5	410.7	499.2	571.0
65°	445.4	389.4	334.8	293.6	292.6	291.7	292.6	293.6	334.8	389.4	445.4
67.5°	347.1	305.7	277.6	256.3	255.1	253.9	255.1	256.3	277.6	305.7	347.1
70°	291.2	257.6	242.0	229.8	227.8	225.9	227.8	229.8	242.0	257.6	291.2
72.5°	247.7	219.9	209.8	201.9	200.7	199.6	200.7	201.9	209.8	219.9	247.7
75°	189.8	170.8	165.9	162.0	161.1	160.1	161.1	162.0	165.9	170.8	189.8
77.5°	139.8	127.7	125.1	123.0	122.0	121.1	122.0	123.0	125.1	127.7	139.8
80°	108.2	100.4	99.4	98.4	97.5	96.5	97.5	98.4	99.4	100.4	108.2
82.5°	80.1	75.8	74.9	73.7	71.9	70.2	71.9	73.7	74.9	75.8	80.1
85°	42.6	39.7	35.8	32.2	29.2	26.3	29.2	32.2	35.8	39.7	42.6
87.5°	10.7	8.9	8.6	8.4	8.7	8.5	8.7	8.4	8.6	8.9	10.7
90°	8.7	11.4	14.0	15.5	17.0	16.3	17.0	15.5	14.0	11.4	8.7
92.5°	17.5	22.0	25.2	27.9	29.2	29.0	29.2	27.9	25.2	22.0	17.5
95°	35.2	40.5	45.8	49.6	51.9	51.1	51.9	49.6	45.8	40.5	35.2
97.5°	54.3	61.4	67.3	70.9	73.2	74.7	73.2	70.9	67.3	61.4	54.3
100°	67.0	73.8	80.6	84.8	88.6	90.1	88.6	84.8	80.6	73.8	67.0
102.5°	77.3	86.3	93.7	98.1	101.3	102.8	101.3	98.1	93.7	86.3	77.3
105°	94.3	103.7	111.7	117.4	120.8	121.9	120.8	117.4	111.7	103.7	94.3
107.5°	111.2	121.0	128.4	134.6	138.8	141.2	138.8	134.6	128.4	121.0	111.2
110°	124.6	132.5	140.5	146.2	150.3	151.8	150.3	146.2	140.5	132.5	124.6



TEST NUMBER: P1428023

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	135.8	144.6	152.6	158.3	163.0	165.2	163.0	158.3	152.6	144.6	135.8
115°	151.5	163.2	170.4	175.7	179.1	181.0	179.1	175.7	170.4	163.2	151.5
117.5°	164.5	176.7	184.6	188.7	190.3	191.7	190.3	188.7	184.6	176.7	164.5
120°	172.7	184.0	193.1	198.4	200.3	201.1	200.3	198.4	193.1	184.0	172.7
122.5°	180.2	191.0	199.8	206.3	209.4	210.1	209.4	206.3	199.8	191.0	180.2
125°	190.8	201.1	210.1	216.6	220.0	221.9	220.0	216.6	210.1	201.1	190.8
127.5°	200.1	211.1	219.5	225.3	228.6	230.1	228.6	225.3	219.5	211.1	200.1
130°	205.2	216.6	224.9	231.3	234.4	235.9	234.4	231.3	224.9	216.6	205.2
132.5°	209.2	221.1	229.8	235.6	238.9	240.4	238.9	235.6	229.8	221.1	209.2
135°	213.9	226.4	235.5	241.2	244.2	245.7	244.2	241.2	235.5	226.4	213.9
137.5°	218.1	229.4	238.9	244.9	247.6	248.6	247.6	244.9	238.9	229.4	218.1
140°	221.1	231.0	240.4	246.1	249.1	249.5	249.1	246.1	240.4	231.0	221.1
142.5°	225.1	232.8	241.0	246.7	249.7	250.4	249.7	246.7	241.0	232.8	225.1
145°	232.1	236.6	242.3	247.6	250.3	251.0	250.3	247.6	242.3	236.6	232.1
147.5°	241.0	242.4	245.4	248.8	251.4	251.9	251.4	248.8	245.4	242.4	241.0
150°	247.6	247.2	248.4	250.7	252.9	252.5	252.9	250.7	248.4	247.2	247.6
152.5°	255.2	253.0	252.9	254.0	255.0	255.0	255.0	254.0	252.9	253.0	255.2
155°	268.1	263.9	261.6	260.9	260.9	260.5	260.9	260.9	261.6	263.9	268.1
157.5°	282.2	276.4	273.0	271.2	270.6	269.8	270.6	271.2	273.0	276.4	282.2
160°	291.9	285.5	282.1	279.0	277.9	276.8	277.9	279.0	282.1	285.5	291.9
162.5°	301.0	294.9	291.2	288.4	287.3	285.6	287.3	288.4	291.2	294.9	301.0
165°	315.8	309.3	305.2	302.9	301.4	299.9	301.4	302.9	305.2	309.3	315.8
167.5°	330.5	323.5	320.8	318.2	316.8	314.0	316.8	318.2	320.8	323.5	330.5
170°	339.6	333.2	331.7	329.4	326.8	323.7	326.8	329.4	331.7	333.2	339.6
172.5°	347.5	343.2	341.7	339.4	338.6	336.1	338.6	339.4	341.7	343.2	347.5
175°	358.9	355.5	355.5	355.2	354.0	351.7	354.0	355.2	355.5	355.5	358.9
177.5°	368.5	366.7	367.9	367.9	367.6	365.5	367.6	367.9	367.9	366.7	368.5
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



TEST NUMBER: P1428023

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2074.5	2074.5	2074.5	2074.5
2.5°	2082.1	2085.3	2072.0	2058.7
5°	2081.1	2083.6	2067.0	2050.4
7.5°	2074.2	2076.4	2059.5	2042.5
10°	2064.3	2066.5	2051.9	2037.3
12.5°	2047.3	2049.1	2035.3	2021.5
15°	2019.0	2018.7	2006.1	1993.4
17.5°	1989.6	1986.0	1970.6	1955.2
20°	1968.5	1962.5	1943.9	1925.4
22.5°	1945.2	1937.1	1915.5	1893.8
25°	1904.9	1889.4	1867.9	1846.5
27.5°	1860.5	1833.7	1812.5	1791.2
30°	1826.0	1795.3	1774.8	1754.4
32.5°	1783.9	1751.2	1730.0	1708.8
35°	1714.9	1676.9	1656.4	1635.9
37.5°	1641.2	1598.6	1575.4	1552.2
40°	1592.1	1549.4	1519.2	1489.0
42.5°	1539.5	1505.2	1466.4	1427.6
45°	1445.9	1424.9	1379.1	1333.3
47.5°	1317.5	1323.3	1278.1	1232.9
50°	1219.3	1250.2	1207.3	1164.5
52.5°	1116.9	1163.7	1125.5	1087.3
55°	968.6	1019.7	993.4	967.1
57.5°	819.1	859.4	840.9	822.4
60°	718.6	755.1	740.5	725.9
62.5°	626.2	664.3	651.2	638.1
65°	502.9	542.9	530.2	517.5
67.5°	401.9	439.5	425.7	411.8
70°	342.8	377.9	363.3	348.7
72.5°	293.1	323.7	309.9	296.0
75°	223.0	245.1	234.4	223.7
77.5°	161.4	175.9	169.1	162.3
80°	122.8	133.0	130.1	127.2
82.5°	87.7	93.7	94.6	95.6
85°	44.6	46.5	48.5	50.4
87.5°	14.2	16.6	16.3	16.0
90°	6.8	4.2	2.7	1.1
92.5°	14.7	10.2	7.2	4.2
95°	29.5	23.5	16.7	11.7
97.5°	47.0	37.3	30.5	22.4
100°	56.4	46.9	40.5	31.8
102.5°	66.7	58.8	49.9	41.2
105°	85.2	75.3	65.1	55.3
107.5°	102.3	91.5	79.2	70.3
110°	113.2	101.5	88.6	80.6

TEST NUMBER: P1428023

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	123.8	111.8	98.6	90.6
115°	138.2	124.9	112.8	106.0
117.5°	152.1	138.4	125.6	120.3
120°	160.5	146.9	134.4	130.2
122.5°	167.5	154.2	142.6	140.8
125°	178.0	164.3	154.5	156.8
127.5°	186.4	173.9	167.7	172.8
130°	191.6	180.6	176.8	184.0
132.5°	196.1	187.6	185.9	195.8
135°	202.9	198.0	199.5	213.2
137.5°	211.0	209.2	214.2	231.4
140°	216.2	217.3	224.5	243.8
142.5°	223.2	225.8	235.1	255.6
145°	234.0	239.7	251.8	272.2
147.5°	246.3	253.6	268.6	289.6
150°	254.4	263.9	279.8	299.9
152.5°	263.8	273.6	289.5	309.9
155°	278.3	289.3	305.9	323.3
157.5°	293.1	304.3	320.2	335.4
160°	302.1	314.3	328.6	342.7
162.5°	312.4	323.7	336.2	348.7
165°	327.5	336.6	346.8	357.4
167.5°	340.2	347.7	355.8	364.0
170°	348.3	354.4	361.2	367.6
172.5°	355.3	360.2	365.1	370.7
175°	364.6	367.3	370.3	373.7
177.5°	371.8	372.7	373.6	375.1
180°	374.8	374.8	374.8	374.8



TEST NUMBER: P1428023
 CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L830-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	22.30	23.50	22.92	24.13	24.84	18.07	19.27	18.69	19.90	20.61
	3H	23.39	24.46	24.03	25.10	25.85	19.41	20.48	20.05	21.12	21.87
	4H	23.78	24.78	24.43	25.43	26.19	19.98	20.99	20.64	21.64	22.40
	6H	23.99	24.91	24.65	25.57	26.35	20.36	21.29	21.03	21.95	22.73
	8H	24.06	24.94	24.74	25.62	26.40	20.50	21.38	21.18	22.06	22.85
	12H	24.09	24.93	24.77	25.60	26.41	20.55	21.39	21.23	22.06	22.87
4H	2H	22.46	23.47	23.12	24.12	24.88	19.03	20.03	19.68	20.68	21.44
	3H	23.79	24.62	24.46	25.31	26.09	20.48	21.31	21.15	22.00	22.78
	4H	24.31	25.06	25.00	25.75	26.57	21.11	21.86	21.80	22.56	23.37
	6H	24.64	25.29	25.35	26.01	26.84	21.58	22.23	22.29	22.94	23.77
	8H	24.76	25.36	25.47	26.08	26.92	21.75	22.36	22.47	23.07	23.91
	12H	24.82	25.36	25.55	26.10	26.94	21.82	22.36	22.55	23.10	23.94
8H	4H	24.35	24.96	25.07	25.67	26.51	21.45	22.05	22.16	22.77	23.60
	6H	24.78	25.28	25.52	26.04	26.88	22.02	22.52	22.76	23.28	24.12
	8H	24.96	25.40	25.71	26.17	27.02	22.27	22.71	23.02	23.48	24.33
	12H	25.07	25.46	25.82	26.21	27.13	22.38	22.77	23.14	23.53	24.44
12H	4H	24.33	24.87	25.06	25.61	26.45	21.47	22.02	22.21	22.76	23.60
	6H	24.77	25.22	25.53	25.98	26.83	22.08	22.53	22.84	23.29	24.15
	8H	24.98	25.38	25.74	26.13	27.04	22.37	22.77	23.13	23.52	24.44