

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P226289

Luminaire Tested: **ISW-AF-1000-LED-E1-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35937)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISW-AF-1000-LED-E1-T2-8030
Description: IMPACT ELITE LED WEDGE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4939.8 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Cutoff
BUG Rating: B1 - U1 - G1

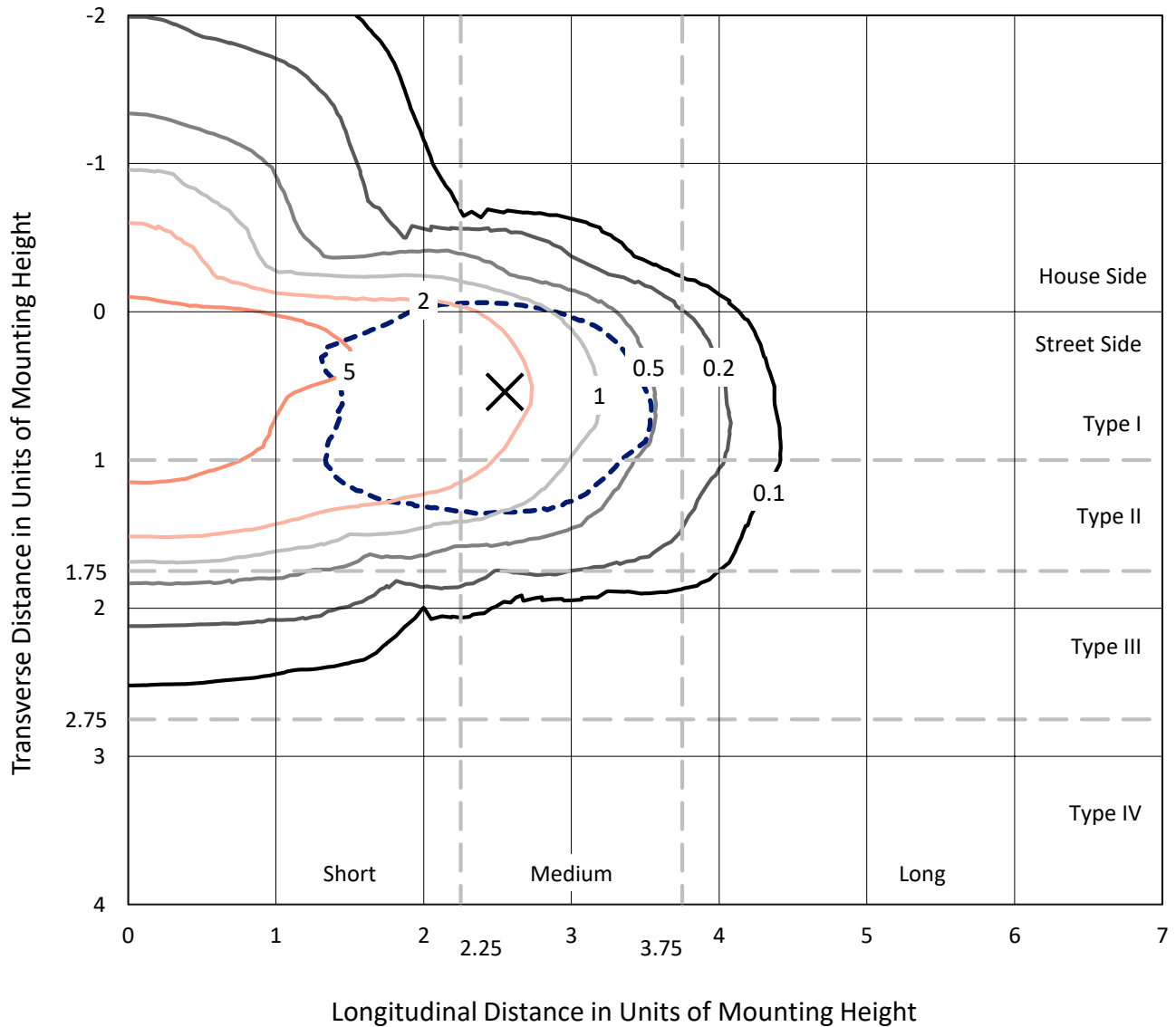
Input Watts (W): 54.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

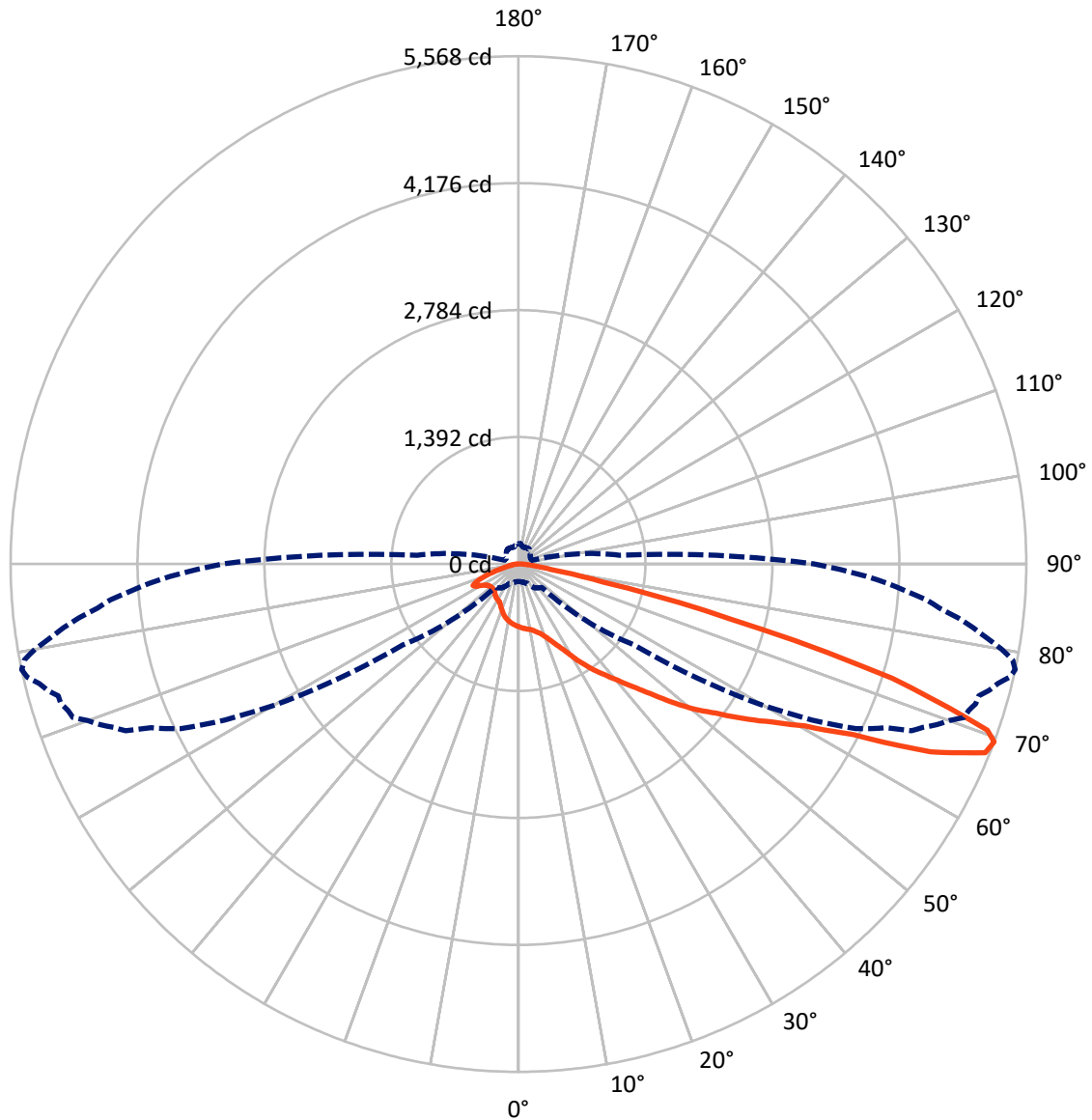
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Medium - Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	903.2	1.7	904.9
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	4034.1	0.8	4034.9
	% Fixture	81.7	0.0	81.7
Total	Lumens	4937.3	2.5	4939.8
	% Fixture	99.9	0.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	1.3
10°-20°	192.6	3.9
20°-30°	345.3	7.0
30°-40°	563.7	11.4
40°-50°	833.7	16.9
50°-60°	1088.7	22.0
60°-70°	1217.6	24.6
70°-80°	546.6	11.1
80°-90°	85.3	1.7
90°-100°	2.5	0.1
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°-90°	4937.3	99.9
0°-180°	4939.8	100.0



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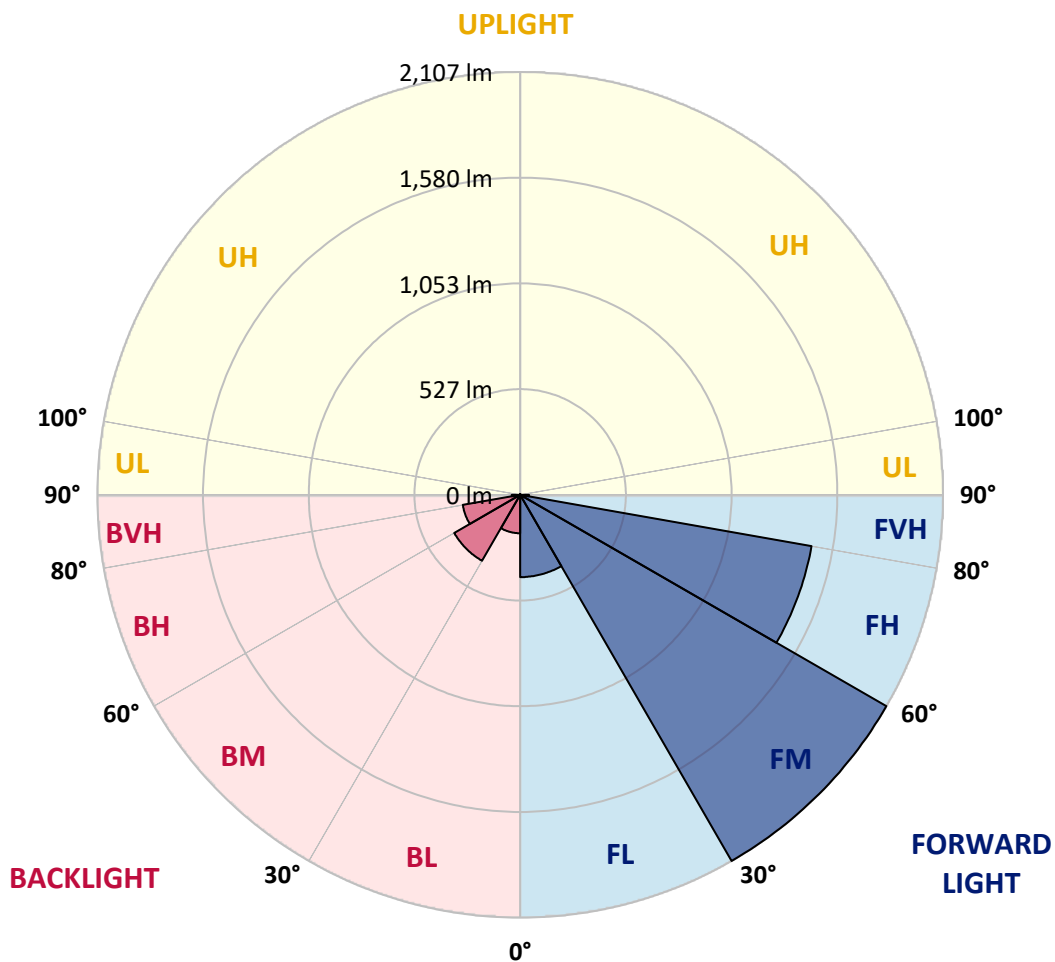
CATALOG NUMBER: ISW-AF-1000-LED-E1-T2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	410.1	8.3			
FM (30°-60°)	2106.6	42.6			
FH (60°-80°)	1473.9	29.8			G1/1800
FVH (80°-90°)	43.5	0.9			G1/100
BL (0°-30°)	191.7	3.9	B1/500		
BM (30°-60°)	379.5	7.7	B1/1000		
BH (60°-80°)	290.3	5.9	B1/500		G1/500
BVH (80°-90°)	41.7	0.8			G1/100
UL (90°-100°)	2.5	0.1		U1/10	
UH (100°-180°)	1.7	0.0		U1/10	

BUG Rating: B1-U1-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0
2.5°	735.8	735.8	733.6	732.2	730.0	724.3	715.7	714.2	713.5	712.1	710.7
5°	789.5	783.8	785.2	781.6	773.8	763.7	747.9	740.1	735.8	735.0	732.2
7.5°	833.3	834.0	831.8	824.7	813.9	801.7	780.2	768.0	764.4	762.3	757.3
10°	864.8	862.7	861.2	859.8	851.2	841.2	813.9	798.9	796.0	790.3	784.5
12.5°	887.8	887.8	887.8	886.3	881.3	873.4	851.9	836.9	833.3	825.4	820.4
15°	912.9	910.0	907.1	905.0	905.7	905.7	889.9	878.5	872.7	868.4	858.4
17.5°	966.7	960.2	953.8	945.1	931.5	927.9	927.2	926.5	918.6	917.9	907.9
20°	1012.6	1006.8	1001.1	992.5	973.1	952.3	963.1	973.1	971.7	972.4	967.4
22.5°	1069.2	1064.9	1053.4	1043.4	1018.3	993.2	994.6	1016.1	1019.0	1021.9	1023.3
25°	1146.7	1144.5	1125.9	1106.5	1077.8	1054.1	1031.9	1058.5	1064.2	1070.6	1083.6
27.5°	1224.8	1219.8	1199.7	1182.5	1146.7	1121.6	1090.7	1105.1	1113.7	1125.9	1145.9
30°	1325.9	1312.3	1305.1	1266.4	1233.4	1196.9	1170.3	1174.6	1173.2	1187.5	1218.4
32.5°	1472.2	1450.7	1414.9	1376.1	1337.4	1288.6	1266.4	1265.7	1262.1	1278.6	1295.8
35°	1551.1	1546.1	1523.9	1485.1	1442.8	1396.9	1382.6	1369.0	1371.1	1379.7	1386.2
37.5°	1636.4	1632.1	1614.9	1593.4	1561.1	1586.2	1506.6	1486.6	1477.2	1472.9	1475.1
40°	1673.7	1677.3	1686.6	1690.2	1671.6	1792.1	1635.0	1569.0	1566.2	1559.7	1553.3
42.5°	1681.6	1690.9	1709.6	1750.5	1768.4	2030.9	1741.1	1661.5	1650.1	1645.0	1645.8
45°	1710.3	1724.6	1728.2	1765.5	1850.1	2043.0	1860.9	1743.3	1734.7	1734.0	1729.7
47.5°	1779.9	1799.2	1799.2	1815.7	1896.0	2066.7	1901.8	1825.0	1819.3	1816.4	1827.9
50°	1789.9	1815.7	1867.4	1920.4	1978.5	2086.1	1948.4	1914.0	1916.1	1922.6	1956.3
52.5°	1619.9	1645.8	1782.0	1938.3	2127.7	2139.1	2018.7	2032.3	2046.6	2078.2	2139.9
55°	1389.0	1407.7	1569.0	1819.3	2133.4	2340.6	2195.1	2233.1	2263.2	2272.5	2369.3
57.5°	1093.6	1119.4	1283.6	1608.5	1992.1	2398.0	2601.0	2618.2	2584.5	2615.3	2650.4
60°	592.3	589.5	818.2	1163.1	1695.2	2291.9	2992.5	3287.9	3295.1	3342.4	3285.8
62.5°	331.3	331.3	397.3	597.4	1090.7	1939.1	3180.4	3867.4	3957.0	4032.3	4198.0
65°	250.3	252.4	276.1	360.0	612.4	1224.1	3042.7	4065.3	4237.4	4410.2	4700.6
67.5°	208.0	208.0	225.2	268.2	382.9	555.8	2240.2	3668.0	3883.1	4089.7	4491.2
69°	192.9	193.6	206.5	235.9	320.5	361.4	1547.5	3110.1	3356.1	3642.2	4115.5
70°	185.7	183.6	195.8	220.2	290.4	285.4	1133.7	2704.2	2895.0	3151.7	3696.0
72.5°	164.9	162.8	169.2	187.9	228.8	203.7	462.5	1455.0	1742.6	2030.1	2464.0
75°	147.0	144.9	149.9	158.5	177.8	155.6	232.3	609.5	737.9	953.8	1315.9
77.5°	129.8	125.5	129.8	135.5	139.8	116.2	157.8	281.8	345.6	424.5	599.5
80°	117.6	113.3	118.3	115.5	109.7	89.6	104.7	164.2	182.1	218.0	285.4
82.5°	83.9	83.2	112.6	116.2	87.5	65.3	74.6	105.4	117.6	124.1	150.6
85°	51.6	49.5	65.3	83.2	88.9	40.9	48.0	62.4	65.3	71.0	83.9
87.5°	26.5	27.3	35.1	43.0	58.1	24.4	28.7	36.6	36.6	36.6	41.6
90°	6.5	7.9	10.8	15.1	12.2	6.5	10.8	8.6	10.0	8.6	10.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0
2.5°	711.4	709.2	706.4	707.1	705.6	703.5	704.2	703.5	704.2	702.8	701.3
5°	732.2	730.7	726.4	725.7	724.3	722.8	720.7	718.5	717.8	716.4	713.5
7.5°	755.8	751.5	749.4	746.5	742.9	737.2	736.5	733.6	731.5	730.0	726.4
10°	780.2	775.2	772.3	768.7	765.2	761.6	758.0	753.0	747.9	746.5	742.2
12.5°	816.8	810.3	804.6	798.9	795.3	788.8	783.8	777.3	772.3	770.2	763.0
15°	856.9	848.3	842.6	838.3	832.6	826.8	820.4	814.6	806.7	800.3	793.8
17.5°	904.3	896.4	892.1	884.2	877.0	870.6	865.5	858.4	851.9	840.5	834.7
20°	966.7	960.2	955.2	946.6	938.7	932.2	927.9	912.9	904.3	894.2	884.9
22.5°	1024.7	1025.5	1020.4	1014.7	1009.7	1001.1	993.9	983.2	972.4	960.2	947.3
25°	1087.9	1093.6	1094.3	1092.9	1090.0	1080.0	1076.4	1065.6	1057.0	1036.9	1031.2
27.5°	1158.1	1164.6	1172.5	1182.5	1184.7	1173.9	1178.9	1168.2	1153.1	1144.5	1125.9
30°	1226.3	1244.2	1260.7	1272.2	1279.3	1284.3	1280.8	1277.2	1267.1	1252.8	1236.3
32.5°	1313.7	1332.4	1348.9	1374.0	1386.9	1402.7	1399.8	1401.2	1397.6	1383.3	1363.9
35°	1401.9	1418.4	1440.0	1456.4	1488.0	1505.2	1519.6	1518.8	1518.8	1510.2	1491.6
37.5°	1480.1	1489.4	1507.4	1534.6	1555.4	1582.7	1605.6	1614.9	1630.0	1630.7	1610.6
40°	1561.9	1571.2	1584.8	1604.9	1627.8	1660.1	1690.9	1721.1	1735.4	1750.5	1742.6
42.5°	1650.1	1660.1	1670.1	1683.1	1716.0	1741.1	1782.7	1823.6	1853.0	1883.8	1880.3
45°	1737.6	1749.0	1763.4	1782.7	1812.1	1853.0	1893.2	1939.1	2006.5	2043.0	2068.1
47.5°	1836.5	1855.2	1881.7	1912.5	1936.2	1978.5	2029.4	2100.4	2168.5	2231.6	2271.1
50°	1985.7	1992.8	2035.9	2066.0	2111.2	2154.2	2205.1	2267.5	2355.7	2420.2	2483.3
52.5°	2161.4	2188.6	2231.6	2266.1	2301.9	2344.9	2397.3	2453.2	2540.7	2613.1	2694.9
55°	2388.0	2426.7	2464.0	2482.6	2532.8	2571.6	2613.9	2669.1	2763.0	2841.9	2938.0
57.5°	2658.3	2697.0	2715.0	2742.2	2763.7	2806.8	2864.1	2901.4	2984.6	3066.4	3168.2
60°	3213.4	3189.0	3210.5	3168.2	3161.7	3165.3	3177.5	3206.2	3252.8	3328.8	3436.4
62.5°	4215.2	4180.0	4086.8	4053.1	3987.8	3899.6	3816.5	3805.0	3780.6	3838.0	3905.4
65°	4800.3	4928.0	4941.6	4977.4	4951.6	4882.8	4785.3	4753.7	4674.8	4619.6	4616.0
67.5°	4659.8	4851.2	4971.0	5122.3	5206.2	5288.0	5309.5	5337.4	5286.5	5261.4	5268.6
69°	4268.9	4410.9	4679.1	4782.4	4915.1	5024.1	5167.5	5192.6	5242.1	5249.2	5344.6
70°	3881.7	4090.4	4243.8	4398.7	4582.3	4702.1	4766.6	4872.8	4995.4	5055.6	5158.9
72.5°	2791.0	2859.1	2968.1	3168.9	3219.8	3343.9	3470.8	3561.2	3705.3	3807.1	4050.2
75°	1505.9	1546.8	1718.2	1832.2	1862.3	1903.2	1996.4	2018.7	2072.4	2105.4	2339.2
77.5°	687.7	750.1	772.3	834.7	799.6	816.8	839.0	834.0	849.1	920.8	1002.5
80°	317.0	329.2	337.8	363.6	365.0	359.3	361.4	357.8	355.0	366.4	375.0
82.5°	154.2	172.8	172.8	188.6	196.5	194.3	198.6	197.2	200.1	197.2	206.5
85°	90.4	90.4	97.5	106.1	104.7	107.6	107.6	113.3	114.0	115.5	115.5
87.5°	42.3	46.6	48.8	52.3	53.8	55.9	57.4	57.4	58.1	56.7	58.1
90°	10.8	10.8	17.9	17.9	19.4	21.5	18.6	20.1	25.1	18.6	23.7
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P226289

CATALOG NUMBER: ISW-AF-1000-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P226289

CATALOG NUMBER: ISW-AF-1000-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0
2.5°	699.9	701.3	700.6	697.7	697.0	697.0	695.6	694.9	693.4	692.7	694.2
5°	712.8	712.8	710.7	707.8	704.9	704.2	703.5	699.9	698.5	697.0	695.6
7.5°	725.0	723.6	720.7	715.7	712.8	712.1	709.2	705.6	702.0	699.2	697.7
10°	737.9	736.5	730.7	727.1	721.4	720.7	715.7	711.4	707.8	704.2	701.3
12.5°	756.5	755.1	748.7	740.1	735.8	732.9	726.4	721.4	716.4	712.1	707.1
15°	785.2	779.5	775.2	766.6	760.1	754.4	746.5	739.3	732.2	725.0	720.7
17.5°	825.4	817.5	806.0	801.0	792.4	783.1	772.3	767.3	758.0	749.4	740.8
20°	877.7	869.9	851.9	845.5	833.3	819.7	811.0	800.3	792.4	778.8	769.5
22.5°	935.8	928.7	911.4	894.2	882.8	872.0	858.4	844.8	829.7	816.8	806.7
25°	1011.1	1000.4	985.3	968.1	950.9	935.8	917.2	897.8	884.9	867.0	852.6
27.5°	1113.7	1095.0	1069.9	1051.3	1037.7	1014.7	991.8	974.6	954.5	930.8	915.0
30°	1224.8	1204.0	1185.4	1163.9	1140.9	1118.7	1087.1	1062.0	1040.5	1015.4	989.6
32.5°	1348.2	1330.2	1303.7	1275.7	1250.6	1222.7	1199.7	1173.2	1135.9	1109.4	1082.1
35°	1472.2	1451.4	1424.2	1400.5	1371.8	1343.1	1317.3	1282.2	1248.5	1210.5	1172.5
37.5°	1592.0	1574.1	1543.9	1508.1	1483.0	1452.1	1425.6	1388.3	1348.2	1305.9	1277.2
40°	1725.4	1696.7	1675.9	1634.3	1608.5	1574.1	1536.0	1507.4	1468.6	1422.7	1381.9
42.5°	1878.1	1858.0	1835.8	1802.1	1774.8	1734.0	1685.9	1649.3	1613.5	1559.0	1502.3
45°	2071.7	2058.8	2022.2	1995.0	1958.4	1915.4	1873.8	1829.3	1772.7	1709.6	1658.0
47.5°	2304.1	2294.0	2261.0	2222.3	2174.3	2116.2	2077.5	2016.5	1968.5	1889.6	1827.9
50°	2514.9	2519.9	2502.0	2442.5	2399.4	2341.4	2280.4	2227.3	2153.5	2071.7	1992.8
52.5°	2766.6	2761.6	2716.4	2683.4	2632.5	2562.2	2495.5	2427.4	2346.4	2261.8	2163.5
55°	3007.6	3022.6	2991.1	2944.4	2882.8	2784.5	2717.1	2628.9	2543.6	2450.4	2337.1
57.5°	3241.3	3289.4	3265.0	3209.8	3146.7	3075.7	2986.8	2887.8	2799.6	2677.7	2550.0
60°	3532.5	3596.3	3606.3	3570.5	3501.6	3419.2	3302.3	3224.8	3103.6	2991.1	2892.8
62.5°	3980.7	4125.5	4116.9	4134.1	4085.4	4034.5	3897.5	3814.3	3656.5	3575.5	3438.5
65°	4729.3	4836.2	4964.5	4960.2	4926.5	4804.6	4662.6	4523.5	4419.5	4259.6	4116.9
67.5°	5357.5	5445.7	5521.7	5482.3	5404.8	5267.9	5101.5	4907.9	4749.4	4573.0	4385.8
69°	5416.3	5523.9	5568.3	5519.6	5380.5	5201.9	5039.1	4859.1	4641.1	4489.8	4261.8
70°	5258.6	5364.7	5454.3	5328.8	5201.2	5026.9	4849.1	4661.9	4466.9	4304.1	4073.9
72.5°	4177.2	4296.9	4284.7	4271.1	4169.3	3995.0	3831.5	3731.1	3594.1	3397.7	3231.3
75°	2428.8	2484.1	2387.3	2489.1	2367.2	2191.5	2214.4	2101.1	2000.7	1887.4	1799.9
77.5°	953.8	1002.5	951.6	935.1	880.6	868.4	777.3	788.1	742.9	654.0	613.1
80°	361.4	367.9	359.3	341.3	337.8	317.0	311.2	291.1	281.8	252.4	241.7
82.5°	194.3	197.9	192.2	186.4	182.1	170.0	162.1	147.0	138.4	129.1	128.4
85°	111.9	109.0	106.1	103.3	96.8	89.6	83.9	78.2	71.7	66.7	61.7
87.5°	58.8	59.5	60.2	57.4	53.1	47.3	43.7	41.6	36.6	34.4	32.3
90°	19.4	14.3	16.5	20.8	19.4	15.8	15.1	12.9	10.8	10.8	8.6
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P226289
 CATALOG NUMBER: ISW-AF-1000-LED-E1-T2-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°	
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°

NUMBER: P226289
 NUMBER: ISW-AF-1000-LED-E1-T2-8030

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):											CANDELA DISTRIBUTION	
87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°	110°	87°
687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	110°	0.0
692.0	692.0	689.9	688.4	683.4	674.8	666.2	658.3	647.5	643.2	637.5	112.5°	0.0
694.2	692.7	690.6	687.7	677.7	657.6	636.8	614.6	591.6	570.8	546.4	115°	0.0
695.6	692.7	689.9	686.3	671.9	641.1	599.5	555.8	514.9	484.0	471.1	117.5°	0.0
696.3	694.2	690.6	685.6	665.5	619.6	552.9	489.8	453.9	441.7	439.6	120°	0.0
704.2	700.6	694.9	689.1	662.6	595.9	500.5	440.3	426.0	431.7	441.7	122.5°	0.0
714.2	709.9	702.8	697.0	661.2	565.1	449.6	412.3	417.4	433.1	449.6	125°	0.0
732.2	725.0	717.1	711.4	664.0	527.1	408.8	398.0	413.1	433.1	455.4	127.5°	0.0
758.7	748.7	739.3	729.3	668.3	479.7	384.4	388.7	406.6	428.1	452.5	130°	0.0
791.7	780.2	767.3	752.2	673.4	438.9	370.7	378.6	395.1	413.8	433.9	132.5°	0.0
836.1	820.4	803.9	785.2	680.5	394.4	358.6	367.2	377.2	388.0	398.0	135°	0.0
892.1	870.6	852.6	827.5	687.7	364.3	348.5	351.4	353.5	355.0	354.3	137.5°	0.0
966.7	933.7	912.9	882.0	695.6	348.5	337.0	333.5	329.9	324.9	319.1	140°	0.0
1045.5	1018.3	985.3	945.9	700.6	337.8	326.3	314.8	304.8	299.8	299.8	142.5°	0.0
1137.3	1103.6	1062.0	1012.6	694.2	326.3	311.9	296.9	291.1	297.6	295.4	145°	0.0
1229.1	1182.5	1136.6	1080.0	678.4	313.4	296.2	288.3	292.6	284.0	279.0	147.5°	0.0
1330.2	1278.6	1214.8	1148.8	655.4	299.8	288.3	292.6	277.5	267.5	271.8	150°	0.0
1443.5	1382.6	1313.7	1224.1	640.4	291.1	276.1	279.7	266.8	259.6	257.4	152.5°	0.0
1597.7	1510.9	1427.0	1321.6	651.9	277.5	252.4	266.8	259.6	253.1	247.4	155°	0.0
1749.0	1656.5	1557.6	1433.5	671.9	267.5	233.8	253.1	258.2	247.4	236.6	157.5°	0.0
1901.1	1802.8	1687.4	1549.0	696.3	261.0	219.4	236.6	254.6	241.7	233.1	160°	0.0
2061.0	1936.9	1818.6	1669.4	727.9	254.6	208.0	222.3	248.1	241.7	228.8	162.5°	0.0
2228.8	2082.5	1964.2	1802.8	783.1	245.3	193.6	210.8	241.7	240.9	224.5	165°	0.0
2423.8	2293.3	2141.3	1977.1	859.8	234.5	180.7	202.2	235.9	238.1	219.4	167.5°	0.0
2755.8	2621.0	2437.5	2281.1	1011.8	220.2	172.8	193.6	226.6	232.3	215.1	170°	0.0
3294.4	3110.8	2942.3	2796.0	1272.2	200.1	167.1	184.3	216.6	225.2	211.5	172.5°	0.0
3911.8	3732.5	3528.9	3282.9	1417.0	181.4	159.2	172.8	206.5	218.0	208.0	175°	0.0
4174.3	3939.8	3692.4	3400.5	1278.6	166.4	150.6	162.1	195.1	208.0	202.9	177.5°	0.0
4053.8	3816.5	3528.9	3242.8	1112.2	158.5	145.6	156.3	186.4	201.5	197.9	180°	0.0
3844.4	3605.6	3348.9	3005.4	993.2	154.2	142.0	152.7	182.9	197.9	195.1		
3040.5	2827.6	2590.9	2329.2	677.0	139.8	130.5	142.0	168.5	185.0	184.3		
1611.3	1549.0	1374.0	1220.5	350.7	124.8	118.3	129.8	155.6	172.8	172.8		
580.1	526.4	503.4	418.1	186.4	109.0	106.1	114.7	141.3	157.8	157.0		
219.4	213.7	191.5	179.3	118.3	88.9	89.6	98.2	124.1	139.8	139.1		
124.1	112.6	109.0	105.4	75.3	70.3	73.9	82.5	106.1	119.8	121.9		
59.5	55.2	53.8	50.2	49.5	53.8	58.1	65.3	84.6	101.1	99.0		
28.7	27.3	26.5	25.8	35.1	34.4	42.3	45.2	56.7	80.3	72.4		
9.3	9.3	8.6	7.2	10.0	11.5	13.6	19.4	23.7	46.6	38.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'226289
 ISW-AF-1000-LED-E1-T2-8030

REPORT NUMBER: P226289
 CATALOG NUMBER: ISW-AF-1000-LED-E1-T2-8030

TION (continued):

CANDELA DISTRIBUTION (con

88°	89°	90°	95°	105°	115°	125°	135°	145°	155°		165°	175°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	687.0	687.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	632.5	622.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	528.5	527.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	463.3	453.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	441.7	441.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	451.1	453.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	463.3	467.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	471.1	479.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	469.0	478.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	445.3	449.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	403.0	404.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	352.1	350.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	316.2	306.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	299.8	294.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	288.3	279.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	299.0	298.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	309.1	307.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	291.9	279.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	260.3	245.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	238.8	230.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	228.8	225.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	225.9	233.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	224.5	232.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	214.4	228.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	207.2	223.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	202.9	221.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	199.4	223.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	193.6	227.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°	190.8	226.6
										70°	187.9	224.5
										72.5°	177.8	207.2
										75°	165.7	182.9
										77.5°	149.9	157.0
										80°	132.7	137.0
										82.5°	115.5	131.9
										85°	90.4	111.9
										87.5°	66.7	61.7
										90°	38.0	28.0
										92.5°	0.0	0.0
										95°	0.0	0.0
										97.5°	0.0	0.0
										100°	0.0	0.0
										102.5°	0.0	0.0
										105°	0.0	0.0
										107.5°	0.0	0.0



REPORT NUMBER: P226289

CATALOG NUMBER: ISW-AF-1000-LED-E:

000-LED-E1-T2-8030

tinued):

180°
687.0
624.6
522.8
454.6
443.2
451.8
469.0
481.9
480.5
453.2
405.9
356.4
314.1
300.5
283.3
301.9
310.5
281.8
245.3
228.8
224.5
235.2
231.6
228.8
224.5
220.9
220.2
221.6
218.7
215.1
193.6
174.3
157.0
138.4
116.9
87.5
66.7
23.7
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
110°	0.0	0.0	0.0
112.5°	0.0	0.0	0.0
115°	0.0	0.0	0.0
117.5°	0.0	0.0	0.0
120°	0.0	0.0	0.0
122.5°	0.0	0.0	0.0
125°	0.0	0.0	0.0
127.5°	0.0	0.0	0.0
130°	0.0	0.0	0.0
132.5°	0.0	0.0	0.0
135°	0.0	0.0	0.0
137.5°	0.0	0.0	0.0
140°	0.0	0.0	0.0
142.5°	0.0	0.0	0.0
145°	0.0	0.0	0.0
147.5°	0.0	0.0	0.0
150°	0.0	0.0	0.0
152.5°	0.0	0.0	0.0
155°	0.0	0.0	0.0
157.5°	0.0	0.0	0.0
160°	0.0	0.0	0.0
162.5°	0.0	0.0	0.0
165°	0.0	0.0	0.0
167.5°	0.0	0.0	0.0
170°	0.0	0.0	0.0
172.5°	0.0	0.0	0.0
175°	0.0	0.0	0.0
177.5°	0.0	0.0	0.0
180°	0.0	0.0	0.0

(END OF F

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

