

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: P226877

Luminaire Tested: **IST-AF-800-LED-E1-SL2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P226877  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35945)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: IST-AF-800-LED-E1-SL2  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II W/SPILL CONTROL  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

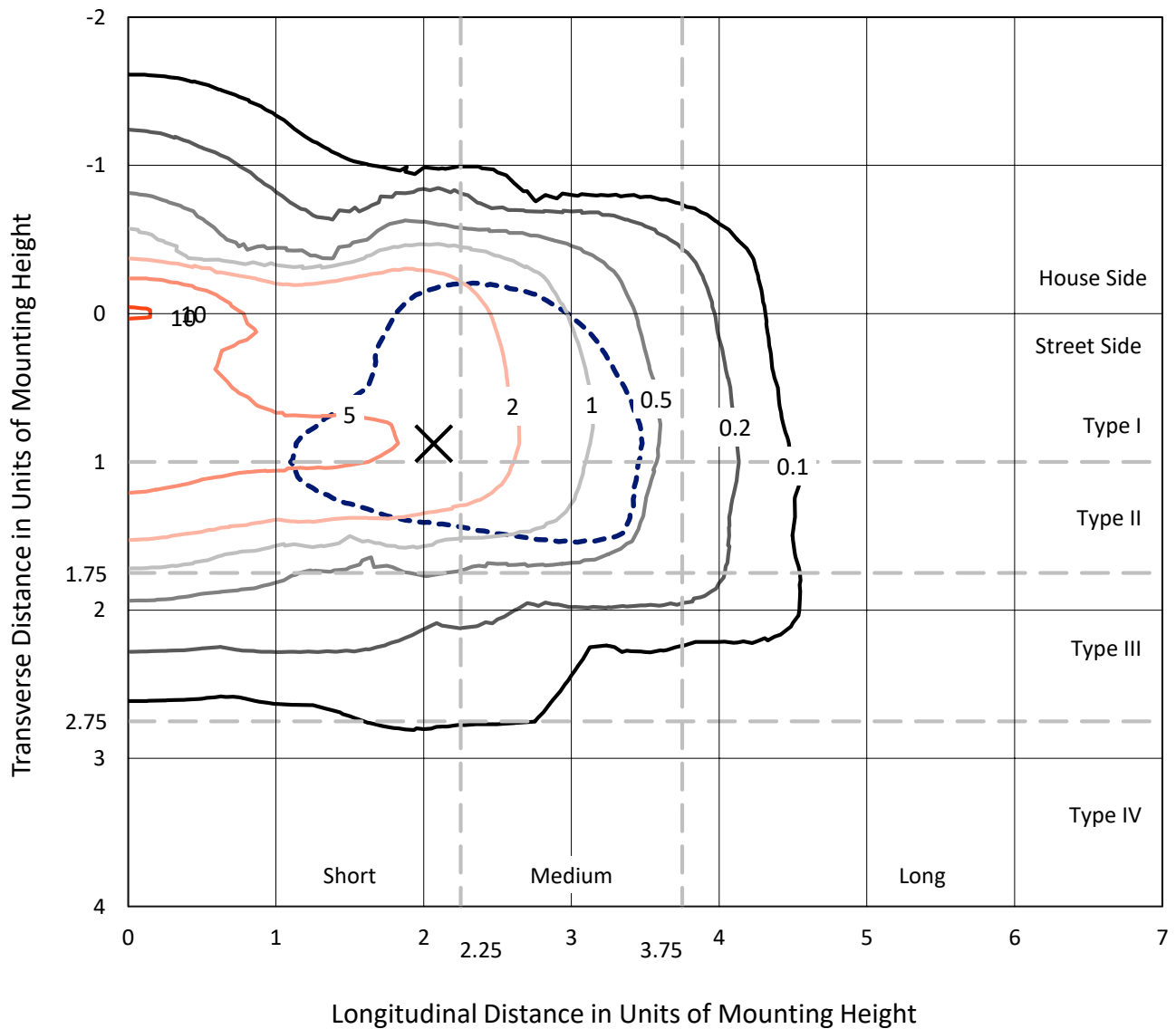
Lumens per Lamp: N/A  
Luminaire Lumens: 5061.9 lumens  
Efficiency: N/A  
Efficacy: 116.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B1 - U1 - G1  
  
Input Watts (W): 43.5  
Input Voltage (V): 120  
Input 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



REPORT NUMBER: P226877  
 CATALOG NUMBER: IST-AF-800-LED-E1-SL2

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

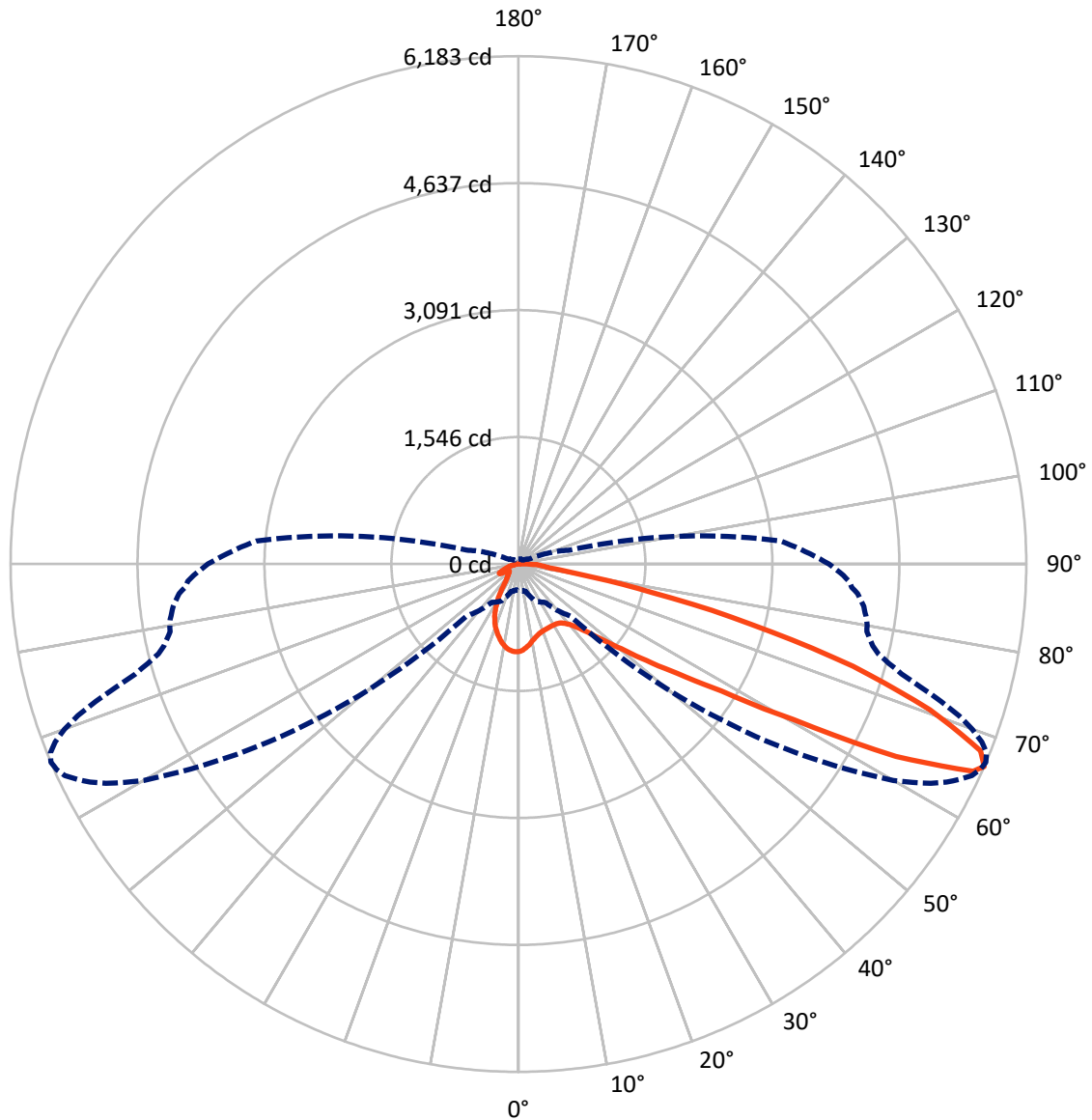


Based on 10 foot mounting height. Maximum calculated value = 10.7 fc  
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P226877

CATALOG NUMBER: IST-AF-800-LED-E1-SL2

### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P226877

CATALOG NUMBER: IST-AF-800-LED-E1-SL2

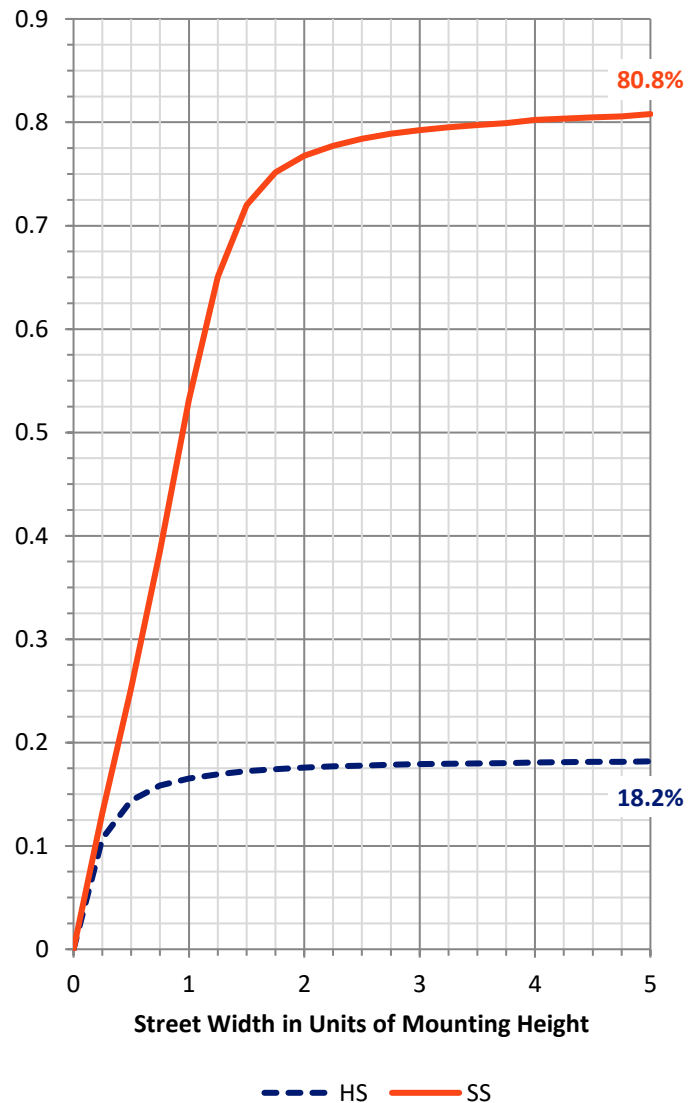
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	934.6	0.4	935.0
	% Fixture	18.5	0.0	18.5
<b>Street Side</b>	Lumens	4125.4	1.5	4126.9
	% Fixture	81.5	0.0	81.5
<b>Total</b>	Lumens	5060.1	1.8	5061.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.4	1.8
10°-20°	219.9	4.3
20°-30°	301.5	6.0
30°-40°	430.8	8.5
40°-50°	698.5	13.8
50°-60°	1106.8	21.9
60°-70°	1402.5	27.7
70°-80°	697.2	13.8
80°-90°	110.4	2.2
90°-100°	1.8	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°-90°	5060.1	100.0
0°-180°	5061.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P226877

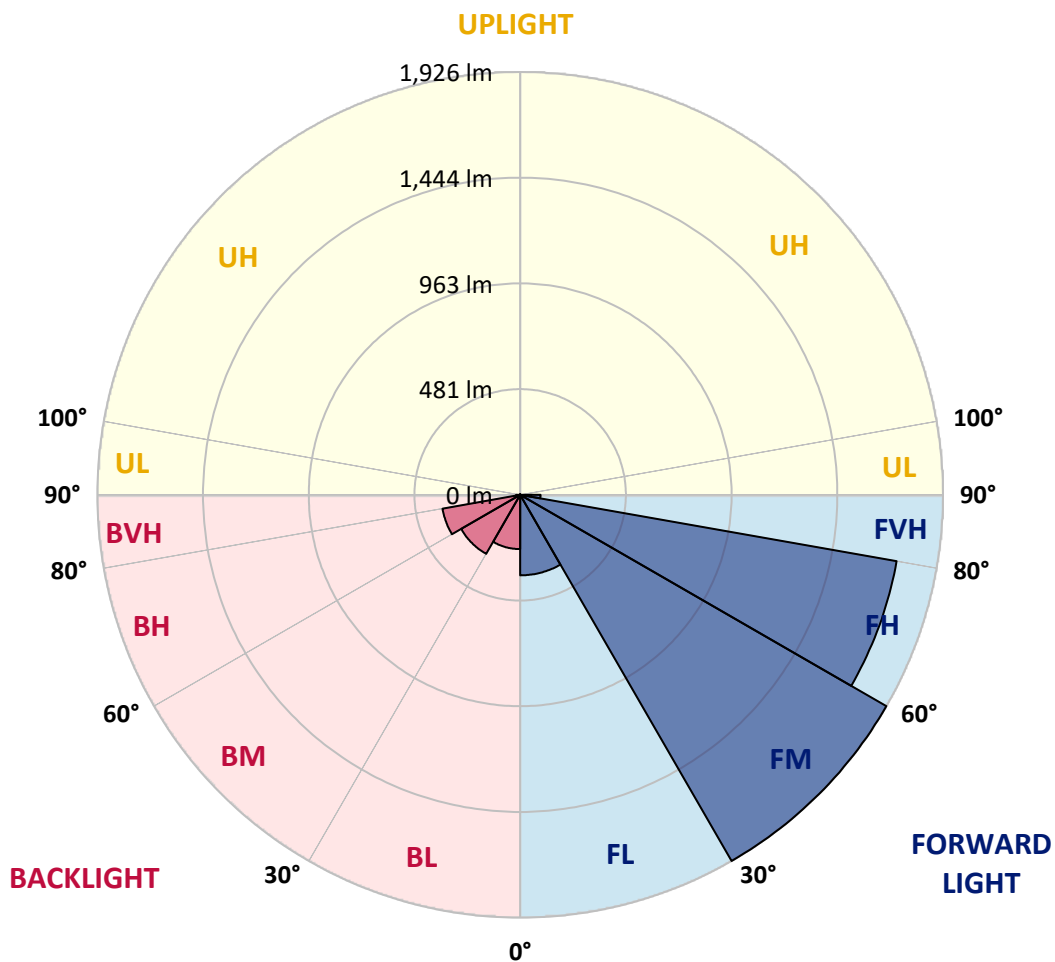
CATALOG NUMBER: IST-AF-800-LED-E1-SL2

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	366.7	7.2			
FM	(30°-60°)	1925.6	38.0			
FH	(60°-80°)	1740.5	34.4			G1/1800
FVH	(80°-90°)	92.6	1.8			G1/100
BL	(0°-30°)	247.1	4.9	B1/500		
BM	(30°-60°)	310.5	6.1	B1/1000		
BH	(60°-80°)	359.2	7.1	B1/500		G1/500
BVH	(80°-90°)	17.8	0.4			G1/100
UL	(90°-100°)	1.8	0.0		U1/10	
UH	(100°-180°)	0.4	0.0		U1/10	

**BUG Rating: B1-U1-G1**

Type II Short





REPORT NUMBER: P226877

CATALOG NUMBER: IST-AF-800-LED-E1-SL2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	63°
0°	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5
2.5°	990.2	992.5	1005.4	1012.2	1022.1	1025.2	1036.6	1041.2	1044.9	1044.1	1044.1
5°	901.2	908.1	914.1	927.8	942.2	959.7	981.8	998.5	1001.6	1005.4	1007.7
7.5°	833.5	838.1	848.7	858.6	876.9	901.2	932.4	953.7	958.2	959.7	965.1
10°	785.6	788.6	797.8	810.7	832.0	855.6	888.2	910.3	917.2	920.2	924.7
12.5°	748.3	752.9	761.3	775.0	797.8	822.1	856.3	878.4	882.9	886.8	893.5
15°	724.8	727.8	735.4	750.6	771.1	795.4	829.0	855.6	858.6	862.4	868.5
17.5°	720.2	722.5	727.0	738.5	754.4	778.0	812.2	834.3	839.6	845.0	851.0
20°	738.5	740.0	741.5	743.0	752.2	767.3	800.8	824.4	829.0	833.5	841.1
22.5°	778.0	780.3	776.5	771.1	764.3	767.3	795.4	819.8	822.9	827.5	833.5
25°	846.4	844.1	832.8	824.4	800.0	780.3	797.0	817.5	821.3	825.9	832.8
27.5°	927.1	924.0	917.2	894.4	854.1	813.8	806.1	821.3	823.6	827.5	833.5
30°	1013.7	1014.5	1008.4	983.4	931.6	863.9	826.6	830.4	832.0	835.0	838.8
32.5°	1092.1	1103.5	1102.7	1101.2	1027.5	931.6	866.2	851.0	848.7	851.0	852.5
35°	1182.6	1184.9	1206.2	1216.8	1156.8	1030.5	924.0	890.6	881.4	882.2	880.7
37.5°	1279.9	1283.0	1319.5	1337.7	1291.4	1143.0	1000.9	949.1	940.7	932.4	926.3
40°	1421.4	1433.6	1452.6	1473.0	1450.2	1294.3	1101.9	1032.0	1010.7	1009.1	997.1
42.5°	1632.8	1628.9	1619.8	1636.6	1609.2	1463.9	1224.4	1149.1	1133.1	1111.8	1095.2
45°	1840.4	1848.8	1809.2	1816.9	1818.4	1660.1	1401.6	1295.9	1287.5	1262.4	1244.2
47.5°	1980.3	1971.2	1918.0	1956.8	2051.8	1889.1	1607.0	1495.9	1478.4	1465.5	1454.1
50°	1988.0	1980.3	1946.2	2014.6	2217.7	2295.9	1892.9	1763.6	1738.5	1715.7	1708.8
52.5°	1802.4	1791.7	1803.2	1942.3	2277.7	2636.7	2296.7	2095.9	2075.4	2056.4	2029.7
55°	1471.6	1483.8	1537.7	1737.8	2185.6	2878.5	3091.5	2609.2	2521.1	2520.3	2454.9
57.5°	1099.0	1086.8	1127.1	1314.9	1953.0	2964.4	3821.5	3702.2	3505.1	3372.1	3211.6
60°	741.5	744.5	781.8	878.4	1359.0	2870.9	4310.5	4726.5	4657.3	4629.2	4585.8
62.5°	514.1	518.6	552.9	643.4	794.7	2309.6	4453.5	5300.7	5424.7	5527.3	5502.2
65°	359.7	360.5	394.7	534.6	595.5	1186.4	4137.9	5376.7	5561.6	5738.0	5896.2
66°	317.1	317.9	346.1	497.4	571.1	895.1	3864.1	5271.1	5481.7	5687.0	5850.6
67.5°	271.5	276.1	298.1	422.9	547.6	690.5	3191.8	4955.5	5176.0	5401.9	5617.8
70°	186.3	187.8	207.7	343.0	512.6	606.1	1819.1	3868.7	4173.6	4570.6	4800.3
72.5°	133.1	131.6	133.8	212.2	526.3	602.3	955.9	2546.1	2972.8	3321.1	3569.8
75°	118.7	114.9	105.0	131.6	384.0	657.9	640.4	1498.9	1823.7	2140.8	2395.5
77.5°	105.7	99.6	94.3	101.2	190.2	619.8	574.9	858.6	1024.4	1260.9	1457.1
80°	80.6	76.8	79.9	87.5	114.1	570.4	571.1	571.1	616.0	693.6	771.1
82.5°	53.2	48.7	55.5	72.2	85.9	429.6	590.1	504.2	495.8	492.8	498.2
85°	33.5	28.9	38.8	54.0	66.2	224.3	605.4	532.3	493.6	456.3	419.0
87.5°	12.2	13.7	19.7	31.2	43.4	97.4	530.8	469.2	442.6	396.2	352.9
90°	3.1	2.3	3.8	9.1	9.9	18.2	81.3	130.0	77.5	38.8	31.2
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: P226877

CATALOG NUMBER: IST-AF-800-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	63°
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: P226877

CATALOG NUMBER: IST-AF-800-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

	64°	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°
0°	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5
2.5°	1044.9	1048.7	1050.3	1048.7	1049.4	1054.0	1052.5	1054.9	1054.9	1056.3	1056.3
5°	1010.7	1013.7	1019.9	1019.1	1025.2	1027.5	1029.7	1032.8	1036.6	1038.8	1043.4
7.5°	970.4	976.5	981.8	984.9	988.7	996.3	998.5	1005.4	1011.5	1017.5	1022.1
10°	931.6	940.0	946.0	948.4	956.7	960.6	968.8	974.2	981.8	989.4	996.3
12.5°	898.9	906.5	909.6	917.2	924.7	932.4	936.2	946.0	953.7	963.5	972.7
15°	874.6	882.2	888.2	893.5	901.2	908.8	914.9	924.7	933.9	943.8	952.2
17.5°	859.4	863.9	871.6	876.1	885.3	894.4	901.2	912.6	922.5	930.9	942.2
20°	847.9	853.2	860.1	867.0	875.3	886.8	892.8	905.0	915.6	925.6	936.2
22.5°	841.9	847.2	854.1	860.9	870.0	879.1	889.0	899.7	911.0	921.8	932.4
25°	839.6	844.1	850.3	857.1	867.0	876.9	885.3	897.4	907.3	918.7	931.6
27.5°	840.4	843.4	850.3	856.3	866.2	875.3	883.7	895.9	907.3	917.9	930.9
30°	843.4	845.7	852.5	857.8	866.2	875.3	882.9	895.9	905.7	917.2	930.9
32.5°	854.1	857.1	860.1	863.9	871.6	878.4	887.5	898.9	908.1	919.4	930.9
35°	879.1	876.9	879.1	880.7	886.0	892.8	899.7	909.6	917.9	927.8	940.0
37.5°	918.7	914.1	915.6	914.9	914.9	919.4	926.3	933.1	940.0	949.9	962.1
40°	991.6	980.3	977.2	968.8	966.6	970.4	975.0	975.7	984.1	997.1	1002.4
42.5°	1086.0	1070.8	1073.1	1059.4	1055.6	1051.0	1057.1	1053.3	1058.7	1066.9	1078.4
45°	1235.0	1220.6	1205.4	1183.3	1188.0	1171.2	1166.6	1168.1	1167.4	1170.5	1184.1
47.5°	1413.0	1394.0	1384.2	1375.8	1359.8	1349.9	1337.0	1318.0	1322.5	1328.6	1340.8
50°	1673.1	1667.0	1648.0	1620.7	1616.9	1602.4	1598.6	1581.9	1575.8	1575.0	1574.2
52.5°	2020.6	1981.1	1973.5	1947.7	1927.9	1914.1	1909.6	1886.0	1862.5	1876.2	1874.7
55°	2444.2	2411.6	2369.8	2347.0	2330.9	2298.3	2289.9	2260.2	2246.5	2238.9	2219.9
57.5°	3156.1	3041.2	2955.3	2912.8	2852.6	2791.8	2770.6	2709.7	2662.5	2629.1	2631.3
60°	4397.3	4192.7	3951.6	3843.5	3593.4	3556.9	3385.0	3343.2	3239.8	3171.2	3131.8
62.5°	5484.8	5429.2	5313.6	5156.2	4905.3	4616.3	4486.3	4227.7	4025.3	3937.1	3814.7
65°	6004.2	6082.5	6114.5	6084.8	5984.4	5808.0	5652.8	5400.4	5061.2	4869.6	4631.5
66°	5977.5	6093.9	6152.4	6182.9	6146.4	6042.2	5879.4	5671.9	5409.5	5117.4	4850.5
67.5°	5782.8	5896.2	5977.5	6070.3	6070.3	6037.7	5971.5	5833.1	5647.5	5392.7	5153.2
70°	4987.4	5141.0	5284.8	5312.9	5392.0	5367.6	5420.1	5331.9	5287.7	5181.3	5052.8
72.5°	3885.4	4014.0	4137.1	4260.4	4239.8	4213.2	4207.9	4226.1	4136.4	4168.3	4134.9
75°	2584.2	2805.5	2931.8	2919.6	2927.9	2934.7	2878.5	2753.1	2850.4	2727.2	2768.2
77.5°	1570.4	1673.1	1707.3	1669.4	1619.8	1556.0	1453.3	1393.3	1307.3	1314.2	1257.1
80°	823.6	836.6	809.2	732.3	690.5	652.5	535.4	482.9	434.2	416.0	374.9
82.5°	472.3	441.1	407.6	381.8	332.4	298.9	253.3	224.3	193.1	165.8	155.9
85°	382.6	340.7	309.5	280.6	247.1	217.5	179.5	149.9	127.1	110.3	106.5
87.5°	315.6	286.7	254.8	227.4	194.7	164.3	127.1	98.8	78.4	63.1	58.5
90°	28.1	38.1	27.4	15.2	22.8	12.2	6.9	7.6	6.0	6.0	6.9
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: P226877

CATALOG NUMBER: IST-AF-800-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

	64°	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°
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: P226877

CATALOG NUMBER: IST-AF-800-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5
2.5°	1058.7	1058.7	1060.2	1061.6	1062.4	1062.4	1062.4	1064.0	1064.7	1062.4	1064.7
5°	1045.7	1049.4	1052.5	1054.9	1055.6	1057.8	1060.2	1061.6	1064.0	1064.0	1065.5
7.5°	1028.2	1035.0	1038.8	1042.7	1046.5	1050.3	1054.9	1057.8	1059.4	1062.4	1064.7
10°	1006.2	1014.5	1022.1	1028.2	1033.5	1041.2	1047.2	1051.8	1058.7	1059.4	1064.7
12.5°	982.5	994.7	1000.9	1012.2	1019.9	1031.2	1037.4	1044.1	1051.8	1055.6	1061.6
15°	965.9	976.5	987.9	998.5	1010.7	1024.4	1032.0	1041.2	1051.8	1060.2	1067.8
17.5°	952.9	967.4	980.3	994.0	1009.1	1023.7	1035.0	1044.9	1058.7	1063.2	1070.8
20°	949.1	965.1	978.0	992.5	1008.4	1027.5	1041.2	1051.8	1065.5	1073.1	1079.9
22.5°	947.6	962.8	978.0	995.5	1013.0	1032.8	1047.2	1060.9	1074.6	1081.5	1086.8
25°	946.0	962.1	978.8	998.5	1017.5	1038.1	1054.9	1067.8	1080.6	1087.5	1092.1
27.5°	946.0	962.8	981.0	1000.9	1021.3	1044.1	1060.2	1072.4	1083.7	1089.9	1091.3
30°	945.3	962.8	980.3	1002.4	1024.4	1048.0	1065.5	1076.9	1086.8	1090.6	1089.0
32.5°	946.8	965.1	984.1	1006.2	1029.0	1051.8	1070.0	1083.0	1088.3	1087.5	1086.8
35°	954.4	971.2	993.2	1015.3	1038.8	1060.2	1077.7	1086.8	1091.3	1089.9	1086.0
37.5°	975.0	991.6	1013.7	1038.1	1056.3	1080.6	1096.6	1103.5	1104.3	1099.7	1090.6
40°	1017.5	1034.3	1054.0	1080.6	1102.7	1119.4	1134.7	1142.2	1137.7	1129.3	1119.4
42.5°	1085.2	1106.5	1130.2	1151.4	1177.2	1200.0	1203.9	1208.4	1200.8	1184.9	1172.7
45°	1194.0	1206.9	1237.4	1253.3	1286.8	1298.2	1306.5	1308.9	1292.1	1279.2	1257.9
47.5°	1350.7	1375.8	1397.0	1412.3	1436.6	1451.8	1468.5	1460.9	1448.0	1426.0	1397.8
50°	1597.0	1613.0	1640.4	1667.8	1693.6	1704.3	1704.3	1696.7	1688.3	1645.7	1611.6
52.5°	1899.7	1901.3	1940.8	1973.5	1995.6	1979.6	1998.6	1979.6	1974.3	1944.6	1916.5
55°	2250.3	2235.9	2283.8	2312.7	2332.4	2351.5	2347.7	2345.4	2325.6	2292.1	2258.0
57.5°	2583.5	2625.3	2648.1	2690.7	2700.6	2713.5	2708.2	2700.6	2689.1	2670.1	2655.0
60°	3064.0	3092.2	3112.7	3121.1	3149.3	3153.0	3172.1	3140.9	3148.4	3126.4	3078.5
62.5°	3718.1	3687.6	3703.7	3703.7	3695.3	3665.6	3681.6	3693.8	3673.2	3655.0	3647.3
65°	4450.4	4352.3	4258.0	4242.1	4198.7	4188.9	4176.7	4146.2	4133.3	4101.4	4075.5
66°	4669.5	4517.4	4428.5	4373.6	4321.1	4309.8	4293.0	4261.1	4235.2	4190.4	4147.0
67.5°	4915.2	4718.9	4585.1	4507.5	4442.9	4400.2	4366.8	4321.1	4280.1	4213.2	4144.0
70°	4899.1	4737.2	4576.0	4458.0	4360.7	4273.3	4221.5	4123.4	4039.8	3944.0	3864.9
72.5°	4116.6	4087.7	3994.2	3928.0	3808.7	3762.2	3625.3	3562.9	3447.3	3323.4	3285.4
75°	2861.8	2748.5	2700.6	2673.9	2621.4	2477.0	2382.7	2403.2	2267.8	2146.9	2077.7
77.5°	1251.1	1273.9	1141.5	1082.2	1036.6	958.2	885.3	835.0	806.1	787.2	701.2
80°	346.1	301.9	298.1	276.8	272.3	242.6	246.4	225.2	210.6	207.7	200.8
82.5°	151.3	148.3	143.7	141.5	139.1	136.2	132.4	131.6	127.1	123.2	124.0
85°	100.4	99.6	97.4	95.0	91.2	85.9	82.1	79.1	79.9	76.0	75.3
87.5°	58.5	57.1	56.3	53.2	52.5	47.9	48.7	44.9	44.1	43.4	41.0
90°	8.4	9.1	11.5	10.6	7.6	14.4	12.2	10.6	11.5	9.1	9.1
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: P226877  
 CATALOG NUMBER: IST-AF-800-LED-E1-SL2

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	
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	66°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
												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: P226877  
 NUMBER: IST-AF-800-LED-E1-SL2

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	110°	86°
1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	1065.5	110°	0.0
1066.9	1068.5	1069.3	1068.5	1070.0	1069.3	1070.0	1069.3	1065.5	1064.7	1064.0	112.5°	0.0
1068.5	1071.5	1072.4	1073.1	1071.5	1073.1	1070.0	1057.8	1044.1	1029.0	1016.8	115°	0.0
1070.0	1073.8	1076.1	1076.1	1076.9	1075.3	1064.0	1037.4	1005.4	973.4	949.1	117.5°	0.0
1069.3	1074.6	1076.9	1077.7	1077.7	1074.6	1047.2	1004.6	955.9	907.3	857.8	120°	0.0
1066.9	1071.5	1075.3	1075.3	1076.1	1065.5	1022.8	962.1	892.8	819.8	753.6	122.5°	0.0
1071.5	1076.1	1076.1	1076.1	1075.3	1057.1	997.1	908.8	816.0	717.2	619.1	125°	0.0
1078.4	1080.6	1079.1	1079.1	1076.1	1048.7	968.1	856.3	734.7	603.8	467.0	127.5°	0.0
1084.4	1086.0	1085.2	1081.5	1077.7	1039.6	938.5	800.8	637.3	467.0	330.8	130°	0.0
1090.6	1092.1	1088.3	1082.2	1076.9	1027.5	902.8	730.1	527.0	319.4	219.0	132.5°	0.0
1091.3	1092.8	1086.0	1077.7	1070.0	1009.1	859.4	654.8	406.1	206.8	171.1	135°	0.0
1090.6	1089.0	1077.7	1066.9	1058.7	987.1	811.5	561.3	270.8	155.9	149.0	137.5°	0.0
1085.2	1078.4	1069.3	1057.1	1044.9	962.8	763.5	457.1	171.1	135.3	135.3	140°	0.0
1077.7	1070.8	1059.4	1043.4	1029.7	939.2	708.8	350.6	136.9	124.7	126.2	142.5°	0.0
1074.6	1066.9	1050.3	1033.5	1016.0	917.9	651.0	235.8	123.2	117.8	118.7	145°	0.0
1080.6	1067.8	1051.0	1032.0	1011.5	899.7	591.0	164.3	116.3	110.3	111.8	147.5°	0.0
1101.2	1089.0	1069.3	1044.9	1022.8	889.0	527.0	136.2	109.6	104.2	104.2	150°	0.0
1150.6	1134.7	1108.1	1079.1	1052.5	895.9	469.9	124.0	104.2	98.8	98.8	152.5°	0.0
1230.5	1211.5	1180.3	1147.6	1112.7	929.4	405.4	119.4	100.4	92.8	91.2	155°	0.0
1367.4	1342.3	1301.2	1262.4	1220.6	987.1	339.9	116.3	95.9	89.0	85.9	157.5°	0.0
1582.6	1545.4	1496.7	1445.7	1394.8	1092.8	288.3	113.3	92.8	85.9	82.9	160°	0.0
1859.4	1834.4	1773.5	1706.6	1645.7	1303.5	258.6	111.0	90.5	82.1	79.9	162.5°	0.0
2212.3	2171.2	2123.3	2063.3	1991.0	1576.6	255.5	110.3	88.2	79.1	77.5	165°	0.0
2585.0	2568.9	2487.6	2450.4	2372.0	1940.0	311.1	111.8	86.7	76.8	74.6	167.5°	0.0
3010.0	3016.2	2940.1	2899.0	2834.4	2400.9	495.1	116.3	86.7	74.6	72.2	170°	0.0
3566.0	3575.9	3486.1	3437.5	3382.7	2917.3	778.0	124.0	89.0	72.2	70.0	172.5°	0.0
4021.5	3968.3	3910.5	3825.3	3756.2	3205.5	749.1	137.7	92.1	70.0	67.7	175°	0.0
4068.7	4030.6	3957.7	3865.6	3781.2	3207.1	654.1	142.2	92.8	69.3	66.9	177.5°	0.0
4062.6	3994.9	3912.1	3834.4	3751.6	3124.9	505.7	148.3	95.0	67.7	65.4	180°	0.0
3781.2	3686.2	3605.6	3498.3	3411.6	2796.3	311.1	147.5	92.1	63.1	61.6		
3118.1	3069.4	2973.6	2887.6	2797.2	2263.3	213.0	131.6	81.3	57.1	57.8		
2016.8	1961.3	1864.0	1815.3	1764.4	1448.0	165.8	107.2	69.3	50.9	53.2		
673.0	651.0	615.2	635.0	605.4	564.3	121.7	81.3	55.5	44.1	47.2		
201.5	197.0	203.8	191.6	203.1	171.9	79.9	57.1	42.6	38.1	41.8		
119.4	117.8	117.8	117.8	114.9	107.2	52.5	39.6	32.7	31.9	35.0		
73.0	71.5	72.2	71.5	73.0	65.4	35.7	27.4	24.3	23.5	28.1		
41.8	41.8	42.6	41.0	41.8	40.3	25.1	17.5	16.0	15.2	20.6		
9.9	9.9	7.6	6.9	7.6	10.6	6.9	5.3	4.6	3.8	6.9		
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		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'226877  
 IST-AF-800-LED-E1-SL2

REPORT NUMBER: P226877  
 CATALOG NUMBER: IST-AF-80

**TION (continued):**

**CANDELA DISTRIBUTION (con**

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°		155°	165°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	1065.5	1065.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1057.8	1052.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	997.8	983.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	911.0	894.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	812.2	787.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	686.0	636.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	539.9	473.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	371.8	318.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	260.9	241.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	201.5	202.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	167.4	174.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	147.5	155.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	135.3	142.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	127.1	130.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	117.1	118.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	108.7	108.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	101.2	100.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	94.3	93.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	87.5	88.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	83.7	84.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	79.9	80.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	76.8	76.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	73.8	73.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	71.5	70.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	69.3	67.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	67.7	65.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	66.2	64.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°	65.4	63.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	64.7	63.1
										70°	61.6	60.0
										72.5°	57.1	56.3
										75°	52.5	50.9
										77.5°	46.3	45.6
										80°	39.6	38.8
										82.5°	33.5	31.9
										85°	26.6	25.1
										87.5°	18.2	16.8
										90°	4.6	5.3
										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: P226877

CATALOG NUMBER: IST-AF-800-LED-E1-S

0-LED-E1-SL2

**tinued):**

175°	180°
1065.5	1065.5
1048.0	1054.9
978.8	976.5
880.7	881.4
762.0	763.5
608.5	599.2
435.8	439.6
303.4	302.7
243.4	244.9
208.4	208.4
185.6	185.6
163.5	164.3
148.3	149.9
134.6	135.3
120.9	121.7
109.6	109.6
101.9	102.7
96.6	96.6
91.2	91.2
86.7	88.2
82.1	82.9
77.5	78.4
73.0	73.0
69.3	69.3
66.2	65.4
63.8	62.4
61.6	60.9
60.9	60.0
60.0	59.3
58.5	57.8
56.3	55.5
51.8	50.2
47.2	45.6
43.4	41.0
36.5	35.0
26.6	25.1
16.0	16.0
3.8	3.8
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

**CANDELA DISTRIBUTION (continued):**

	155°	165°	175°
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

