

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: P226979

Luminaire Tested: **IST-AF-800-LED-E1-SL3-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226979
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35946)
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-SL3-8030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III W/SPILL CONTROL
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3957.1 lumens
Efficiency: N/A
Efficacy: 91.0 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

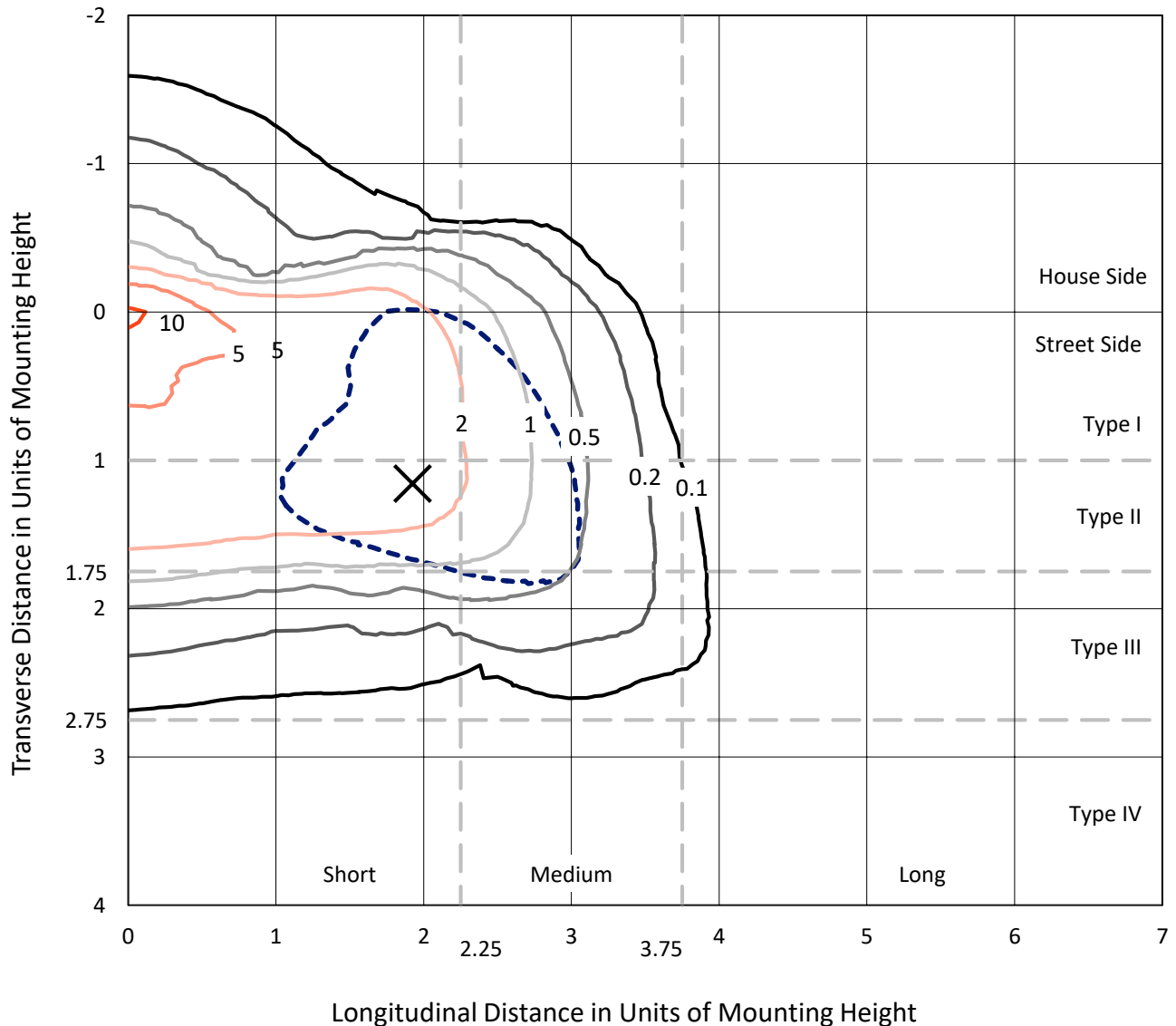
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

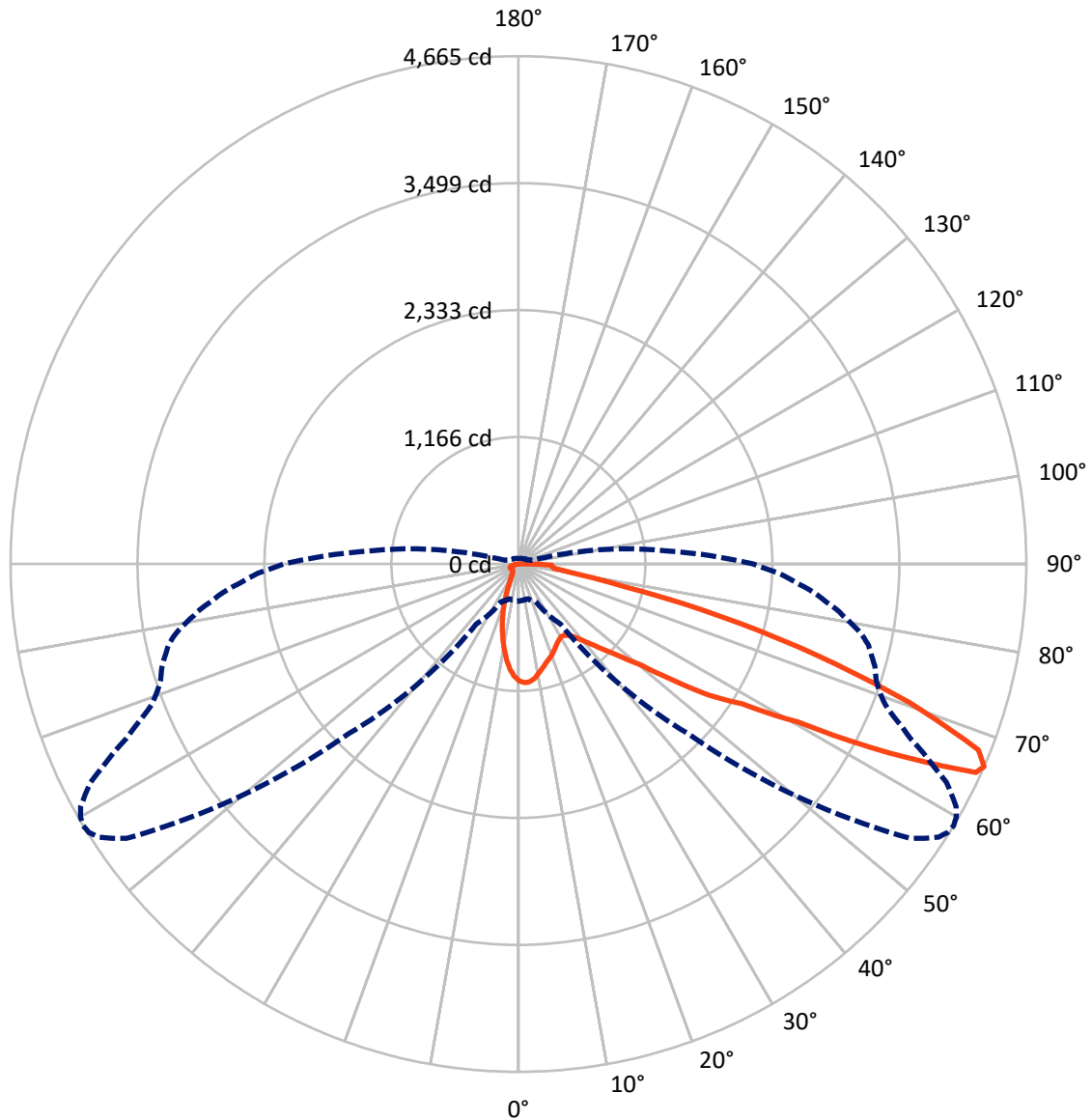
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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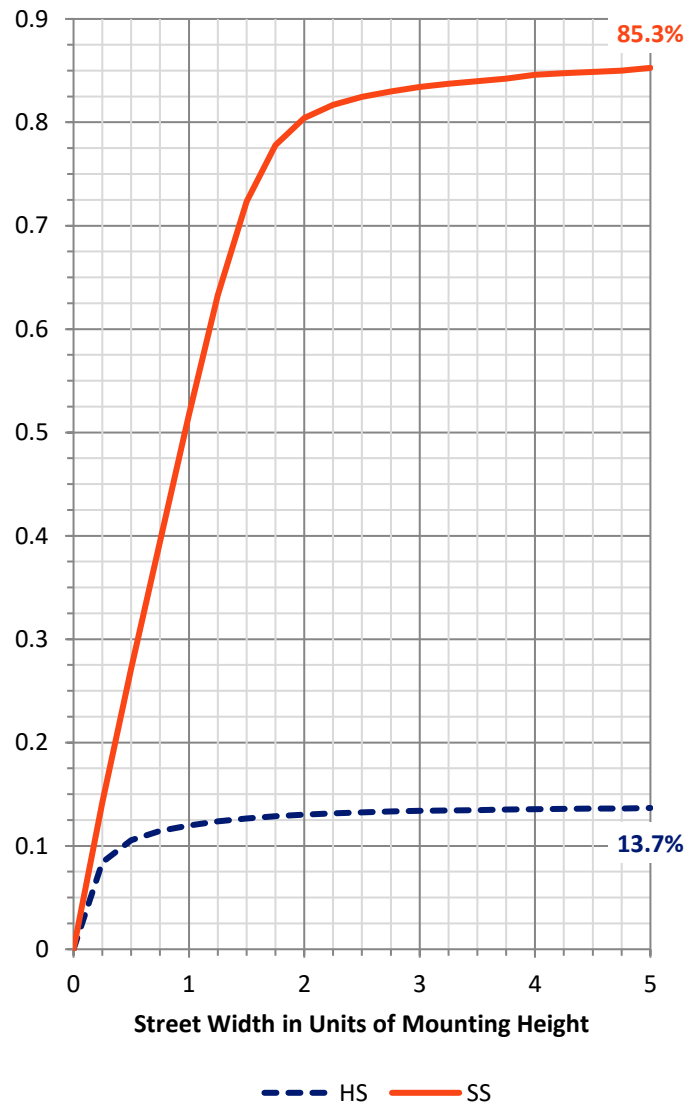
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	549.0	0.2	549.3
	% Fixture	13.9	0.0	13.9
Street Side	Lumens	3406.4	1.4	3407.9
	% Fixture	86.1	0.0	86.1
Total	Lumens	3955.4	1.7	3957.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	2.3
10°-20°	193.6	4.9
20°-30°	242.8	6.1
30°-40°	332.2	8.4
40°-50°	534.4	13.5
50°-60°	928.7	23.5
60°-70°	1128.3	28.5
70°-80°	420.9	10.6
80°-90°	82.8	2.1
90°-100°	1.7	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°	3955.4	100.0
0°-180°	3957.1	100.0

Coefficient of Utilization



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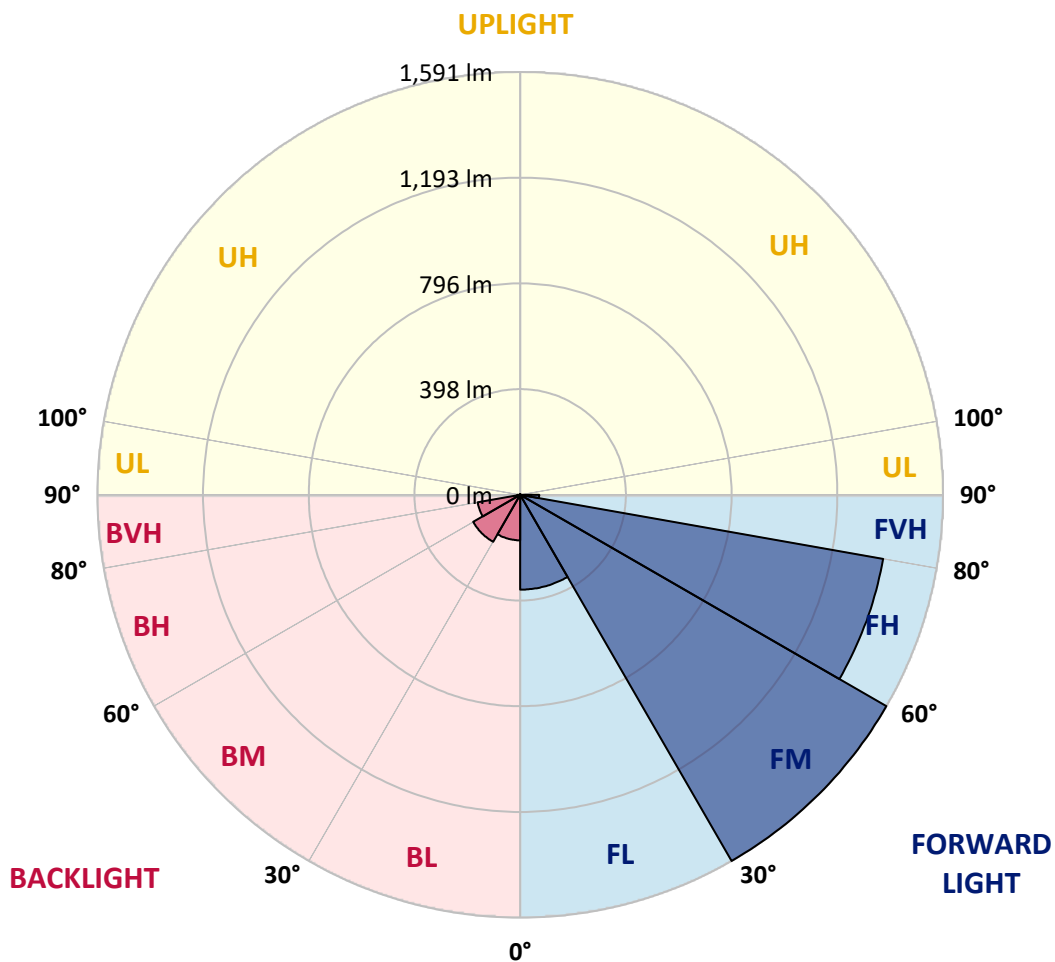
CATALOG NUMBER: IST-AF-800-LED-E1-SL3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	356.8	9.0			
FM	(30°-60°)	1591.2	40.2			
FH	(60°-80°)	1386.9	35.0			G1/1800
FVH	(80°-90°)	71.4	1.8			G1/100
BL	(0°-30°)	171.2	4.3	B1/500		
BM	(30°-60°)	204.1	5.2	B0/220		
BH	(60°-80°)	162.3	4.1	B1/500		G1/500
BVH	(80°-90°)	11.4	0.3			G1/100
UL	(90°-100°)	1.7	0.0		U1/10	
UH	(100°-180°)	0.2	0.0		U1/10	

BUG Rating: B1-U1-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0
2.5°	1102.9	1099.3	1106.0	1103.6	1105.4	1096.3	1094.5	1092.6	1093.8	1092.0	1092.0
5°	1076.9	1075.0	1082.9	1087.2	1090.8	1089.6	1089.0	1089.0	1089.6	1085.4	1086.0
7.5°	1000.4	999.2	1010.1	1018.0	1035.6	1045.9	1059.3	1059.9	1061.1	1059.3	1062.9
10°	919.1	922.8	932.5	945.2	971.3	987.1	1012.6	1017.4	1019.2	1019.8	1020.4
12.5°	841.5	837.8	850.0	874.2	909.4	934.9	967.0	969.5	972.5	976.8	981.0
15°	772.3	776.6	786.3	811.7	848.7	884.5	926.4	928.8	934.9	938.5	944.6
17.5°	725.0	725.0	735.9	759.6	794.1	839.6	892.4	896.7	901.5	906.4	913.1
20°	701.3	701.3	705.6	719.5	749.9	793.5	857.2	862.1	870.6	876.0	885.1
22.5°	699.5	698.9	698.3	701.3	719.5	753.5	819.6	826.3	833.6	842.1	850.0
25°	718.9	720.7	713.5	708.6	710.4	726.2	783.8	787.5	801.4	806.9	816.6
27.5°	746.8	749.9	743.8	736.5	725.6	715.3	753.5	759.6	768.7	777.8	789.9
30°	786.9	786.3	785.7	780.8	759.6	727.4	744.4	748.6	756.5	763.8	774.1
32.5°	829.9	834.8	838.4	836.0	814.2	759.6	757.1	760.8	768.1	772.3	779.0
35°	885.8	888.2	902.1	902.1	880.3	817.2	792.9	796.0	799.6	801.4	806.3
37.5°	947.0	955.5	976.1	988.3	954.3	888.8	849.4	849.4	851.2	852.4	855.4
40°	1018.0	1030.1	1058.7	1081.7	1059.9	978.0	923.4	928.8	927.0	924.6	931.3
42.5°	1100.5	1113.9	1148.4	1170.3	1157.5	1085.4	1022.9	1019.2	1024.7	1017.4	1019.8
45°	1196.4	1206.7	1241.9	1264.9	1275.2	1217.0	1153.3	1146.0	1146.0	1130.2	1136.9
47.5°	1282.5	1285.6	1319.5	1360.2	1393.5	1394.8	1305.0	1300.1	1288.6	1278.3	1275.9
50°	1362.6	1371.7	1393.5	1437.8	1507.6	1568.3	1513.7	1498.5	1485.8	1447.5	1459.1
52.5°	1501.5	1519.1	1533.1	1559.8	1642.3	1765.4	1832.8	1809.1	1806.1	1771.5	1763.6
55°	1527.6	1529.4	1575.6	1729.6	1923.8	2012.4	2141.6	2141.0	2150.7	2139.8	2129.5
57.5°	1405.1	1390.5	1467.6	1670.8	2060.9	2515.9	2476.5	2480.7	2468.0	2434.6	2424.3
60°	1094.5	1106.6	1189.7	1448.8	1962.0	2841.1	3101.4	3024.3	3079.5	2992.8	2946.0
62.5°	615.8	601.8	658.2	930.6	1609.5	2858.1	3952.5	3961.0	3987.7	3939.2	3825.1
65°	397.4	391.3	385.8	470.8	964.6	2500.1	4423.3	4527.7	4590.1	4615.6	4617.5
66°	341.6	336.7	330.0	385.2	672.2	2202.9	4393.0	4504.6	4604.1	4651.4	4665.4
67.5°	290.6	283.3	282.1	319.1	467.8	1709.0	4103.6	4278.9	4366.9	4489.4	4556.2
70°	222.0	218.4	229.3	275.4	359.2	804.5	3270.0	3498.7	3650.4	3746.3	3808.1
72.5°	186.3	185.0	200.2	251.8	340.3	456.2	2289.0	2534.7	2693.1	2784.7	2869.6
75°	145.6	146.8	166.8	240.2	338.5	397.4	1329.8	1564.0	1656.2	1800.6	1911.0
77.5°	109.2	108.0	123.8	194.1	330.0	402.8	691.0	788.1	889.4	962.8	989.5
80°	76.4	77.7	88.6	133.5	257.2	414.4	430.7	453.2	474.4	498.1	502.9
82.5°	51.0	51.6	65.5	91.6	178.4	395.6	402.2	391.9	375.5	354.9	332.5
85°	30.9	32.2	46.7	61.9	138.3	357.9	416.2	388.9	364.0	336.7	309.4
87.5°	15.8	17.6	27.9	36.4	81.9	176.5	433.2	413.1	379.2	337.3	307.0
90°	4.2	4.2	6.1	9.1	16.4	35.8	109.2	98.3	49.1	93.4	46.1
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



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
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):

	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°
0°	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0
2.5°	1091.4	1092.6	1091.4	1089.6	1091.4	1089.6	1089.0	1088.4	1089.0	1087.8	1087.2
5°	1086.0	1087.2	1087.2	1083.5	1082.9	1085.4	1081.7	1082.9	1081.7	1080.5	1078.1
7.5°	1059.9	1060.5	1061.1	1058.7	1060.5	1060.5	1059.3	1059.3	1058.1	1058.7	1056.2
10°	1023.5	1025.9	1028.3	1027.1	1026.5	1032.0	1029.5	1031.4	1031.4	1029.5	1030.1
12.5°	984.0	988.3	991.3	991.3	993.7	999.8	999.2	1000.4	1005.3	1005.3	1003.5
15°	947.6	951.9	956.7	960.4	965.2	969.5	972.5	977.4	979.8	979.8	982.8
17.5°	919.1	925.2	930.6	932.5	939.1	946.4	948.2	954.3	957.9	959.8	963.4
20°	891.2	897.9	904.6	910.6	916.7	925.2	929.4	933.1	939.1	942.8	948.2
22.5°	858.5	868.8	877.3	884.5	894.9	902.1	910.6	916.7	924.0	929.4	933.7
25°	827.5	841.5	853.0	860.3	874.2	884.5	894.9	904.0	913.1	920.9	927.0
27.5°	799.0	814.8	828.7	840.3	855.4	871.8	882.1	897.3	909.4	920.3	927.6
30°	785.0	798.4	813.0	826.3	841.5	862.1	879.1	898.5	913.7	927.6	938.5
32.5°	788.1	800.2	813.0	824.5	840.3	863.3	880.9	903.3	925.8	944.0	957.9
35°	812.3	823.3	831.8	842.1	856.0	873.6	892.4	916.1	944.0	968.3	986.5
37.5°	863.3	866.3	874.8	882.7	890.0	906.4	924.0	944.0	976.1	1001.6	1027.1
40°	926.4	934.3	942.2	945.8	954.3	964.6	972.5	993.7	1022.3	1055.6	1083.5
42.5°	1020.4	1023.5	1024.7	1025.9	1028.9	1036.2	1047.7	1067.2	1095.1	1124.8	1155.7
45°	1126.0	1129.6	1133.3	1135.1	1130.9	1135.1	1147.2	1156.3	1183.6	1211.5	1251.0
47.5°	1272.2	1261.3	1255.8	1263.1	1259.5	1268.6	1274.0	1279.5	1312.3	1345.6	1379.0
50°	1459.7	1453.0	1444.5	1445.1	1451.8	1445.7	1449.4	1469.4	1480.3	1508.2	1552.5
52.5°	1759.4	1738.7	1706.6	1692.6	1700.5	1695.7	1697.5	1701.7	1694.5	1720.5	1758.2
55°	2129.5	2102.8	2081.5	2069.4	2024.5	2020.9	1991.1	1980.2	1956.5	1981.4	1972.9
57.5°	2393.4	2376.4	2365.4	2329.0	2308.4	2267.2	2255.0	2240.5	2207.7	2224.1	2238.7
60°	2903.0	2842.3	2821.7	2758.0	2736.7	2697.3	2646.9	2622.1	2605.1	2620.9	2611.2
62.5°	3753.5	3669.2	3652.8	3501.8	3464.8	3373.8	3279.1	3266.4	3213.0	3179.6	3171.7
65°	4584.1	4463.4	4373.0	4207.9	4096.3	3966.5	3822.1	3716.5	3607.9	3553.3	3481.1
66°	4646.0	4598.0	4507.0	4410.6	4248.0	4106.0	3942.2	3828.2	3706.2	3610.4	3548.5
67.5°	4540.4	4514.9	4482.8	4417.2	4315.3	4183.1	4027.8	3882.2	3735.3	3622.5	3523.6
70°	3837.9	3865.8	3902.2	3885.2	3826.9	3775.4	3638.3	3557.0	3446.6	3298.5	3237.9
72.5°	2896.9	2971.5	2946.0	2850.2	2805.3	2769.5	2719.8	2665.2	2506.8	2488.6	2417.0
75°	1863.7	1838.9	1855.2	1738.7	1659.3	1626.5	1508.2	1459.7	1340.8	1263.7	1204.9
77.5°	982.2	933.7	896.1	793.5	720.1	677.1	619.4	551.5	447.1	441.1	345.8
80°	455.6	418.6	384.6	348.8	313.0	265.7	230.5	188.1	166.2	142.6	132.9
82.5°	309.4	285.7	265.1	241.5	214.2	181.4	156.5	132.9	113.4	101.9	92.8
85°	280.3	254.8	231.8	202.0	173.5	146.2	119.5	98.9	80.7	70.4	64.3
87.5°	272.4	240.9	216.6	184.4	156.5	128.6	103.1	80.1	62.5	51.0	43.7
90°	34.6	37.0	26.7	25.5	10.9	14.0	10.3	6.1	6.7	4.9	5.5
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: P226979

CATALOG NUMBER: IST-AF-800-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°
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: P226979

CATALOG NUMBER: IST-AF-800-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

	71°	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°
0°	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0	1075.0
2.5°	1086.0	1084.1	1086.0	1085.4	1082.9	1083.5	1084.1	1081.7	1080.5	1080.5	1079.9
5°	1076.3	1075.0	1076.3	1075.6	1072.0	1071.4	1071.4	1069.6	1067.2	1065.3	1064.1
7.5°	1053.2	1054.4	1053.8	1052.0	1050.2	1050.2	1048.3	1044.1	1041.7	1039.2	1036.8
10°	1027.1	1027.1	1027.7	1027.1	1024.1	1022.9	1020.4	1018.0	1018.6	1012.6	1007.7
12.5°	1004.1	1004.1	1003.5	1002.2	1000.4	999.8	999.8	992.5	990.7	988.9	983.4
15°	982.2	983.4	983.4	983.4	980.4	980.4	977.4	972.5	972.5	967.0	961.6
17.5°	965.2	967.0	966.4	967.0	967.7	964.0	958.6	955.5	951.9	948.8	941.6
20°	950.7	951.9	952.5	952.5	950.7	948.2	943.4	938.5	936.1	930.0	920.9
22.5°	937.3	939.7	940.4	940.4	937.9	936.1	931.3	924.0	919.1	911.8	903.3
25°	931.9	934.9	933.1	934.3	931.9	927.6	920.9	914.9	907.6	898.5	889.4
27.5°	933.7	937.9	936.7	936.1	933.1	930.0	921.5	914.3	905.8	894.9	883.3
30°	944.6	951.9	948.8	946.4	945.8	938.5	930.6	920.3	910.6	897.9	884.5
32.5°	965.2	968.9	969.5	967.7	964.6	958.6	947.6	934.3	923.4	908.2	892.4
35°	999.2	1002.8	1001.6	1001.6	998.6	988.9	975.5	962.2	947.0	930.0	913.7
37.5°	1046.5	1053.2	1052.0	1049.6	1045.9	1034.4	1024.1	1007.7	990.7	968.3	949.5
40°	1106.0	1116.3	1125.4	1123.6	1115.1	1104.8	1095.1	1076.3	1059.3	1034.4	1013.8
42.5°	1186.1	1200.0	1211.5	1220.0	1216.4	1203.0	1186.1	1178.2	1153.9	1128.4	1107.2
45°	1288.6	1317.7	1328.0	1338.3	1338.3	1329.8	1326.2	1310.4	1285.0	1251.0	1231.0
47.5°	1423.9	1462.7	1474.2	1491.8	1502.1	1493.0	1486.4	1459.7	1442.7	1396.0	1391.1
50°	1588.3	1627.1	1658.7	1679.3	1676.3	1684.1	1668.4	1653.2	1629.5	1591.3	1578.0
52.5°	1798.2	1829.1	1857.7	1869.8	1882.5	1880.7	1877.1	1866.8	1837.0	1816.4	1782.4
55°	2013.6	2039.1	2073.6	2093.7	2110.0	2107.0	2093.0	2068.2	2073.6	2030.6	2011.8
57.5°	2258.7	2286.6	2324.2	2343.0	2350.3	2387.3	2378.2	2375.2	2364.8	2349.7	2330.3
60°	2680.3	2688.2	2719.1	2766.5	2824.7	2813.2	2827.7	2837.4	2844.7	2810.8	2808.3
62.5°	3182.6	3192.4	3219.1	3228.8	3237.3	3238.5	3219.1	3219.1	3185.7	3142.0	3108.0
65°	3456.9	3436.8	3418.6	3408.3	3385.9	3365.9	3336.7	3297.3	3240.9	3173.5	3112.9
66°	3496.3	3455.7	3432.0	3405.9	3370.1	3333.1	3298.5	3244.5	3178.4	3098.3	3018.2
67.5°	3458.1	3402.3	3347.1	3308.8	3259.1	3192.4	3131.7	3068.6	3006.1	2896.3	2821.7
70°	3109.2	3042.5	2981.8	2898.1	2819.2	2753.7	2649.4	2539.6	2449.2	2333.9	2260.5
72.5°	2309.0	2230.2	2151.3	2033.6	1918.9	1901.9	1770.9	1641.7	1572.5	1479.7	1405.1
75°	1140.6	1041.1	899.7	836.6	745.0	700.1	675.2	581.8	559.4	467.8	466.5
77.5°	322.1	276.6	245.7	214.2	200.8	191.1	157.7	151.1	137.1	134.7	126.8
80°	121.9	115.3	112.2	109.2	106.2	104.3	103.1	98.3	95.9	92.2	90.4
82.5°	88.0	85.5	80.1	78.3	75.8	72.2	71.6	68.6	66.7	63.1	61.9
85°	59.5	56.4	53.4	50.4	49.1	48.5	46.7	45.5	44.3	42.5	41.9
87.5°	40.0	37.0	33.4	32.2	31.5	32.2	32.8	31.5	30.9	29.7	29.1
90°	4.9	6.7	6.1	6.1	7.3	6.1	6.1	6.7	6.1	6.1	5.5
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: P226979
 CATALOG NUMBER: IST-AF-800-LED-E1-SL3-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	71°	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	
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°

'226979
 IST-AF-800-LED-E1-SL3-8030

REPORT NUMBER: P226979
 CATALOG NUMBER: IST-AF-80

TION (continued):

CANDELA DISTRIBUTION (con

83°	84°	85°	86°	87°	88°	89°	90°	95°	105°		115°	125°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	1075.0	1075.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1039.9	1030.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	984.6	962.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	910.0	867.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	824.5	763.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	735.9	657.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	653.4	549.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	566.6	438.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	483.5	331.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	389.5	232.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	285.7	168.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	203.8	134.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	152.3	113.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	121.9	98.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	103.7	89.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	92.8	83.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	86.8	80.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	83.1	77.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	81.3	75.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	80.1	72.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	78.9	72.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	79.5	74.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	82.5	74.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	87.4	74.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	91.0	75.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	92.2	77.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	91.0	78.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°	89.8	78.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	88.0	77.7
										70°	83.7	72.8
										72.5°	75.2	65.5
										75°	64.3	52.8
										77.5°	52.2	42.5
										80°	38.8	32.2
										82.5°	28.5	24.9
										85°	20.0	17.6
										87.5°	12.1	10.9
										90°	3.0	3.0
										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: P226979

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

0-LED-E1-SL3-8030

tinued):

135°	145°	155°	165°	175°	180°
1075.0	1075.0	1075.0	1075.0	1075.0	1075.0
1023.5	1022.9	1007.7	1004.7	994.4	999.8
936.7	926.4	899.1	893.6	882.1	879.1
833.0	804.5	782.6	758.4	735.3	746.8
711.6	663.7	615.8	584.2	571.5	567.2
596.4	510.2	450.2	388.3	366.4	374.3
456.8	358.5	278.5	242.7	222.0	218.4
322.1	229.9	192.9	183.8	179.6	179.6
218.4	175.3	161.4	157.1	157.1	157.7
166.2	147.4	141.4	142.0	144.4	145.0
137.7	130.4	127.4	131.6	136.5	137.1
118.9	117.1	117.7	123.2	128.0	128.6
104.3	106.2	108.6	113.4	117.7	118.9
94.0	97.1	98.9	101.9	104.3	105.0
86.8	90.4	89.8	91.6	93.4	94.0
82.5	84.3	82.5	83.7	83.7	84.9
78.9	79.5	76.4	77.0	78.3	78.3
75.2	74.6	71.6	72.8	74.6	75.2
71.6	70.4	67.9	70.4	73.4	74.0
68.6	67.3	66.1	69.2	72.8	73.4
67.3	66.1	64.9	69.2	72.8	73.4
67.3	66.1	64.9	67.9	71.6	72.2
67.9	66.7	64.3	67.3	69.8	70.4
68.6	67.3	63.1	64.9	66.1	66.7
68.6	66.1	61.9	62.5	62.5	63.1
67.3	64.3	59.5	59.5	58.8	58.8
67.3	61.9	57.0	55.8	54.6	54.6
66.7	61.3	56.4	54.6	52.8	52.8
65.5	60.1	55.2	52.8	51.0	51.0
61.3	57.6	52.2	49.7	47.9	47.3
54.6	52.8	48.5	46.7	44.9	44.3
46.1	46.7	44.3	43.1	41.3	40.6
38.8	40.0	38.8	38.2	37.0	36.4
30.9	33.4	32.2	32.2	32.8	31.5
23.7	26.7	25.5	26.7	27.9	26.1
16.4	19.4	19.4	20.0	20.6	19.4
10.3	12.7	12.1	12.7	12.7	12.1
2.4	4.2	2.4	3.6	3.0	2.4
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
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):

	115°	125°	135°
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

