

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: P226589

Luminaire Tested: **IST-AF-800-LED-E1-T4FT-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226589
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35943)
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-T4FT-8030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV FORWARD THROW
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4233.8 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U1 - G1

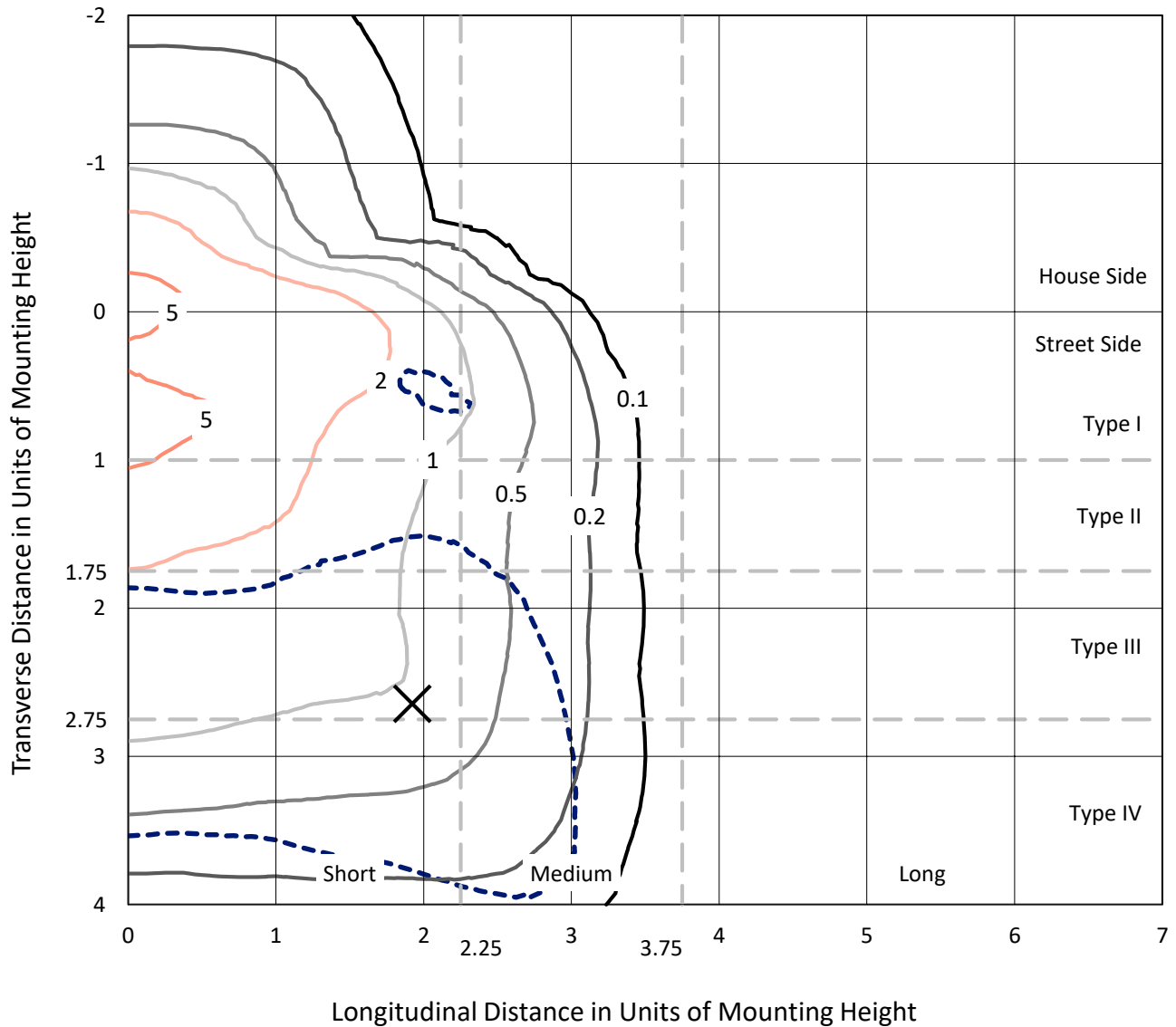
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

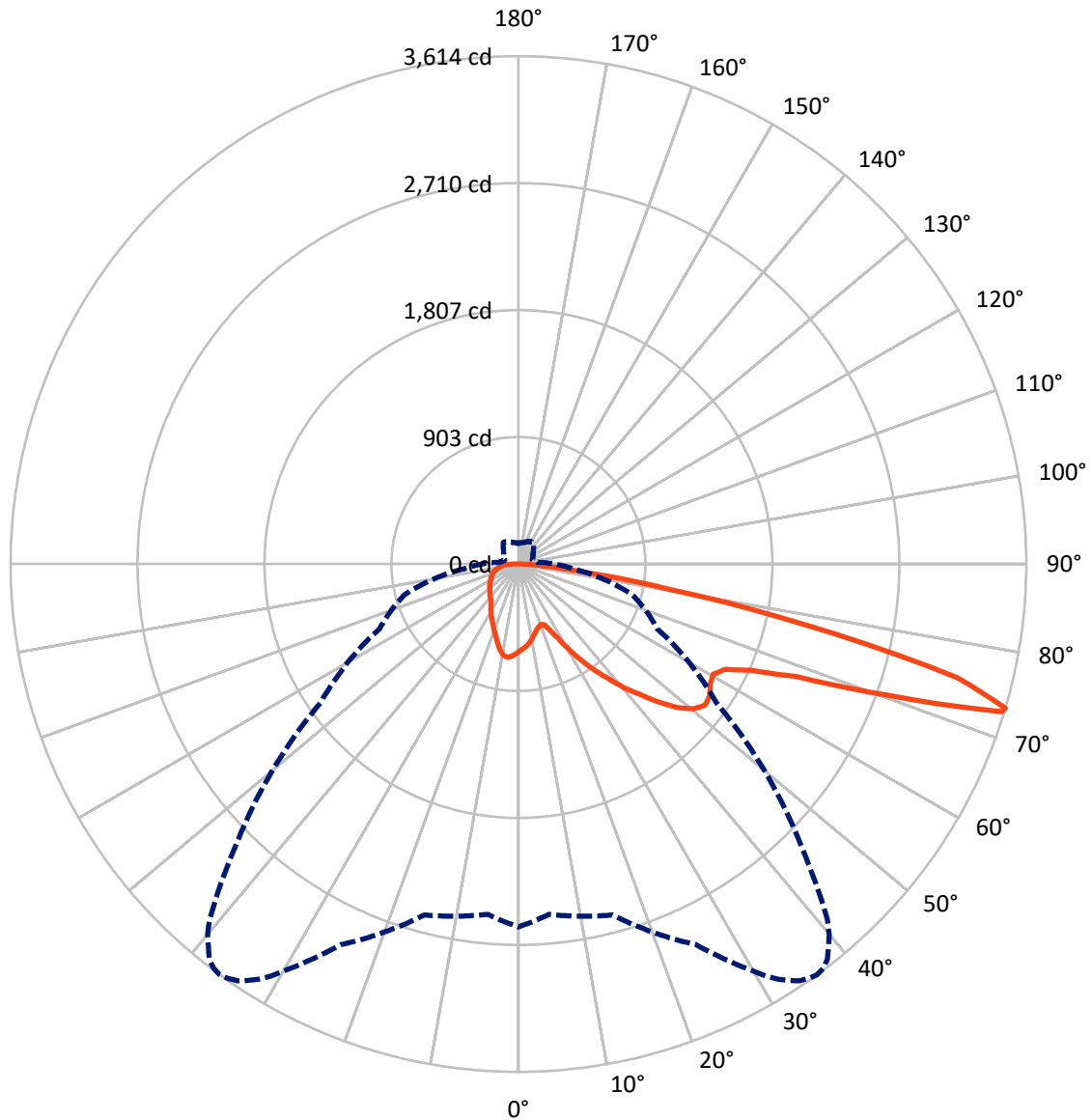
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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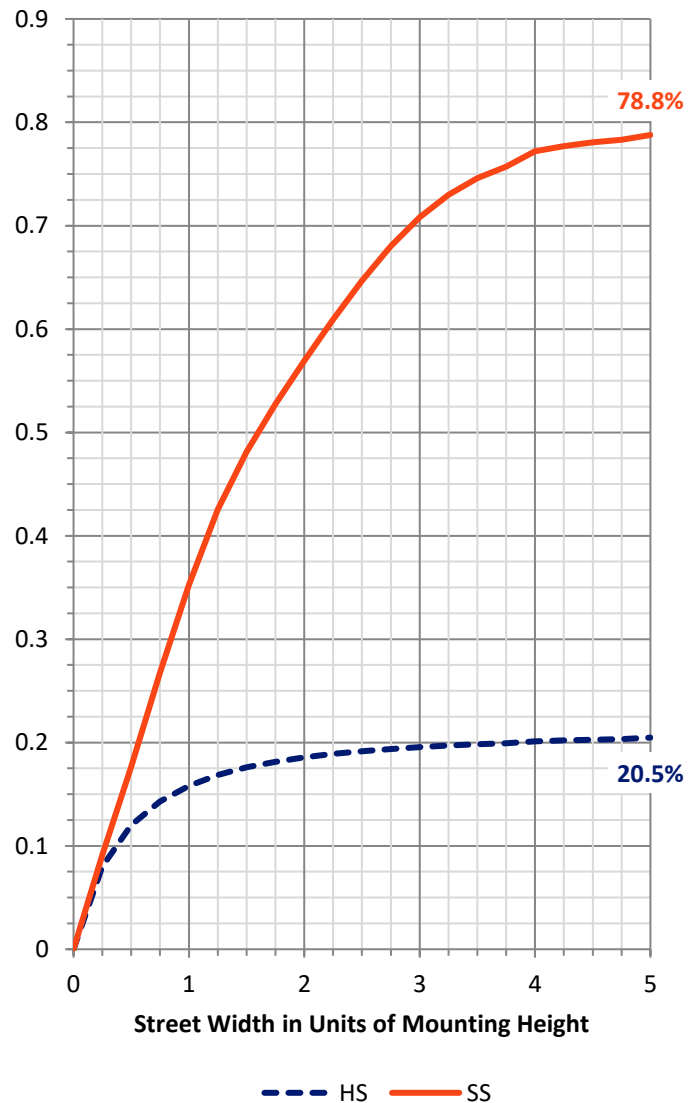
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	892.7	1.0	893.7
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	3339.7	0.3	3340.1
	% Fixture	78.9	0.0	78.9
Total	Lumens	4232.4	1.3	4233.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	1.4
10°-20°	155.1	3.7
20°-30°	254.2	6.0
30°-40°	421.1	9.9
40°-50°	618.9	14.6
50°-60°	780.4	18.4
60°-70°	1021.9	24.1
70°-80°	827.2	19.5
80°-90°	95.2	2.2
90°-100°	1.3	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°	4232.4	100.0
0°-180°	4233.8	100.0



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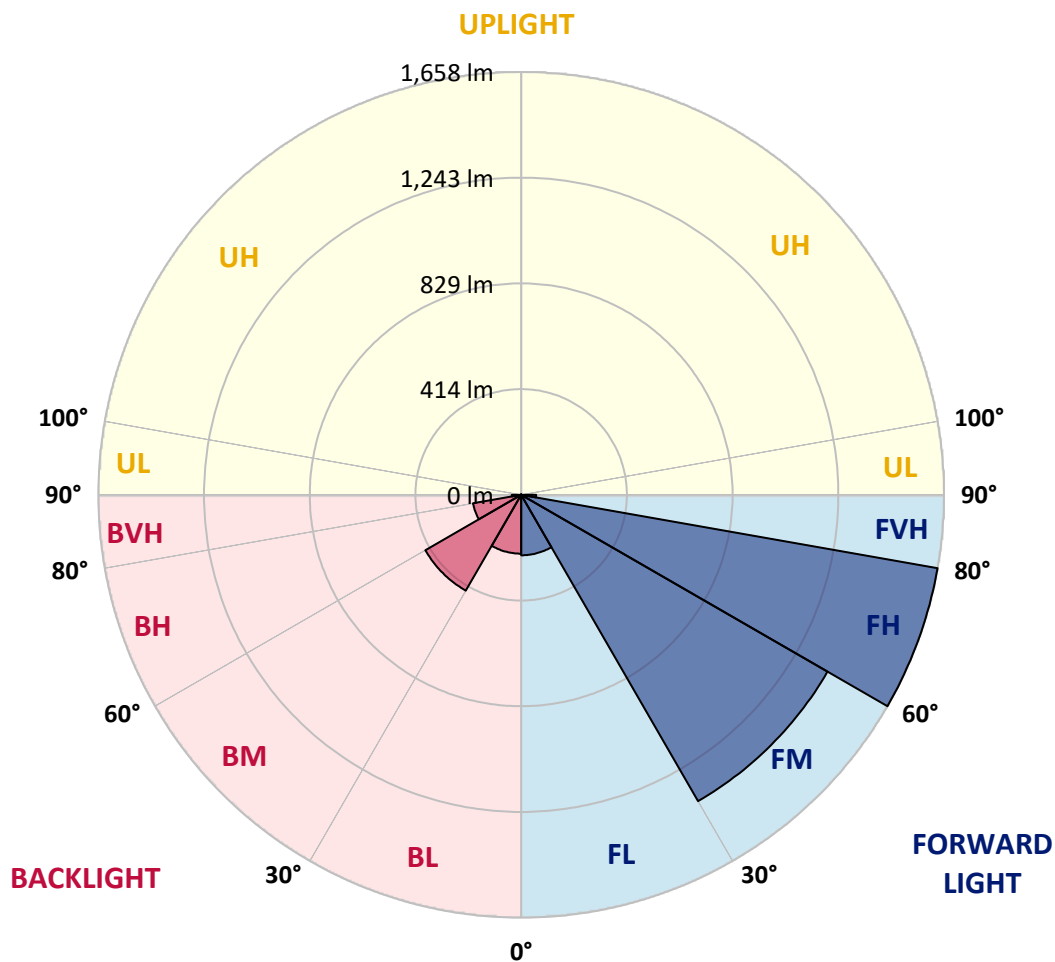
CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	237.0	5.6			
FM	(30°-60°)	1386.5	32.7			
FH	(60°-80°)	1657.5	39.2			G1/1800
FVH	(80°-90°)	58.7	1.4			G1/100
BL	(0°-30°)	230.8	5.5	B1/500		
BM	(30°-60°)	433.9	10.2	B1/1000		
BH	(60°-80°)	191.5	4.5	B1/500		G1/500
BVH	(80°-90°)	36.5	0.9			G1/100
UL	(90°-100°)	1.3	0.0		U1/10	
UH	(100°-180°)	1.0	0.0		U1/10	

BUG Rating: B1-U1-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
0°	621.8	621.8	621.8	621.8	621.8	621.8	621.8	621.8	621.8	621.8	621.8
2.5°	599.3	600.5	601.8	601.8	601.8	603.6	603.0	603.0	603.6	604.2	604.2
5°	576.9	577.5	581.1	582.4	586.0	585.4	585.4	585.4	587.8	586.0	587.2
7.5°	551.4	552.6	556.3	560.5	563.5	564.2	563.5	562.3	565.4	566.6	565.4
10°	521.1	521.7	526.5	530.2	535.0	534.4	536.2	536.2	537.5	536.9	539.3
12.5°	505.9	504.7	502.3	504.1	505.3	505.3	505.3	507.1	506.5	507.7	509.6
15°	504.1	501.1	488.9	484.7	483.5	483.5	482.9	482.3	484.1	485.9	485.9
17.5°	512.6	506.5	482.9	470.7	468.3	467.1	467.7	466.5	466.5	468.9	468.3
20°	553.8	542.9	495.6	468.9	461.6	461.6	461.0	459.2	459.2	459.8	459.8
22.5°	658.8	644.8	562.3	507.1	481.7	481.0	479.2	477.4	472.6	471.3	468.9
25°	805.0	788.6	647.3	587.8	552.0	550.8	541.7	540.5	529.0	529.6	521.7
27.5°	918.4	907.5	760.7	681.8	647.9	640.6	636.3	625.4	615.7	607.8	598.1
30°	957.2	955.4	875.3	811.7	760.7	752.2	740.7	735.8	721.9	711.0	704.3
32.5°	1018.5	1020.3	987.0	916.6	872.3	863.8	854.1	842.6	832.9	825.6	809.8
35°	1105.9	1106.5	1083.4	1030.6	979.7	968.2	962.7	949.4	940.3	931.2	923.3
37.5°	1166.5	1169.6	1153.2	1112.5	1082.2	1065.8	1065.2	1055.5	1045.2	1037.3	1030.0
40°	1283.0	1266.6	1212.6	1186.5	1161.7	1159.8	1154.4	1148.9	1151.4	1147.1	1155.0
42.5°	1400.7	1380.1	1304.8	1267.8	1252.7	1255.7	1253.9	1254.5	1261.8	1259.9	1268.4
45°	1501.4	1477.7	1406.1	1362.5	1374.6	1378.2	1388.5	1394.6	1391.6	1402.5	1402.5
47.5°	1602.1	1546.9	1461.9	1482.0	1490.5	1518.4	1525.6	1523.8	1534.1	1539.0	1525.6
50°	1531.1	1516.5	1509.9	1571.1	1609.4	1618.5	1628.8	1634.2	1639.1	1632.4	1619.1
52.5°	1381.3	1380.1	1474.1	1623.9	1656.1	1668.2	1677.9	1682.1	1680.3	1676.7	1665.8
55°	1330.9	1321.2	1402.5	1569.3	1618.5	1630.0	1643.9	1652.4	1660.9	1659.7	1651.2
57.5°	1399.5	1391.6	1392.2	1521.4	1569.3	1579.6	1588.7	1598.4	1600.9	1608.7	1609.4
60°	1598.4	1588.1	1505.0	1519.6	1568.1	1579.6	1580.8	1586.3	1586.9	1591.2	1591.8
62.5°	1885.4	1866.6	1739.8	1630.6	1647.6	1653.0	1657.3	1656.1	1653.6	1650.6	1650.6
65°	2199.6	2182.0	2018.8	1891.4	1842.3	1855.6	1834.4	1830.2	1825.3	1825.3	1819.8
67.5°	2573.3	2539.9	2413.7	2270.6	2199.6	2206.3	2216.0	2179.0	2165.6	2166.8	2138.3
70°	2954.2	2919.0	2863.8	2862.0	2897.8	2882.0	2837.1	2896.6	2826.2	2809.2	2803.2
72.5°	2743.7	2701.9	2713.4	3056.1	3377.6	3429.8	3479.5	3525.7	3566.9	3591.8	3595.4
73°	2582.4	2502.9	2585.4	2988.2	3344.9	3421.9	3483.8	3532.9	3577.2	3599.7	3613.6
75°	1289.7	1293.9	1700.3	2465.3	2923.3	2989.4	3085.9	3139.8	3219.9	3261.2	3224.8
77.5°	299.1	310.0	515.0	1170.2	1752.5	1847.1	1924.2	2003.0	2095.9	2130.4	2100.1
80°	105.6	110.4	181.4	444.6	731.6	783.7	849.9	936.6	1022.8	1044.0	1097.4
82.5°	55.8	61.3	95.8	192.9	312.4	341.5	358.5	394.3	424.6	442.8	452.5
85°	32.2	32.8	54.6	106.8	143.2	154.7	165.6	174.1	183.8	177.1	177.1
87.5°	12.7	14.0	27.9	50.3	69.2	77.0	77.0	77.0	76.4	67.3	61.3
90°	2.4	3.6	5.5	10.3	9.1	9.1	8.5	7.3	6.7	7.3	4.2
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



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
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):

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
0°	621.8	621.8	621.8	621.8	621.8	621.8	621.8	621.8	621.8	621.8	621.8
2.5°	605.4	606.0	604.8	607.2	605.4	605.4	608.4	613.9	618.1	619.4	623.0
5°	588.4	589.0	589.0	589.6	589.0	590.2	595.7	600.5	609.0	613.3	618.7
7.5°	566.6	568.4	567.8	569.0	569.0	570.2	578.7	586.6	595.1	603.0	609.6
10°	540.5	541.7	544.1	542.9	542.9	546.6	555.7	567.2	577.5	589.0	596.9
12.5°	509.6	512.6	512.0	514.4	515.6	518.0	533.2	546.0	558.7	572.0	582.4
15°	485.3	487.1	488.3	488.9	488.9	494.4	509.6	525.3	542.3	558.1	569.0
17.5°	469.5	469.5	470.7	471.3	472.6	476.2	492.0	509.6	529.0	548.4	560.5
20°	460.4	460.4	461.0	461.6	461.6	465.9	480.4	500.5	521.7	546.6	561.1
22.5°	467.7	465.9	465.3	465.3	462.8	462.8	476.8	498.0	524.7	556.9	575.7
25°	517.4	512.0	503.5	501.7	498.6	484.1	482.3	506.5	539.3	579.3	607.8
27.5°	592.1	586.6	581.1	574.5	569.6	542.9	506.5	528.4	567.2	624.2	659.4
30°	689.7	678.8	670.9	663.6	642.4	613.3	556.9	562.3	610.3	686.7	731.0
32.5°	798.9	787.4	775.3	758.3	752.8	705.5	633.3	618.7	664.9	759.5	805.6
35°	904.5	899.0	890.5	883.8	871.1	831.7	732.8	686.7	727.9	845.0	880.8
37.5°	1027.0	1016.7	1017.3	1011.8	1004.6	971.2	835.9	768.6	795.9	926.9	949.4
40°	1147.7	1145.3	1148.9	1139.8	1127.7	1082.8	911.7	828.6	866.9	1005.8	1000.3
42.5°	1261.8	1263.6	1259.3	1249.0	1235.7	1160.5	960.3	879.6	930.5	1074.9	1041.0
45°	1392.2	1385.5	1367.9	1349.7	1333.3	1227.2	986.4	936.6	991.8	1149.5	1082.2
47.5°	1515.3	1489.2	1474.1	1446.2	1414.0	1287.8	1021.5	996.7	1059.8	1219.9	1121.6
50°	1605.7	1581.4	1556.0	1522.0	1488.0	1340.6	1068.3	1064.6	1136.8	1298.8	1175.6
52.5°	1647.0	1624.5	1599.6	1565.1	1531.1	1378.8	1130.7	1130.7	1227.8	1403.1	1250.2
55°	1640.3	1623.9	1602.1	1570.5	1544.4	1399.5	1195.0	1203.5	1341.8	1515.9	1336.4
57.5°	1605.1	1596.0	1583.3	1561.4	1540.2	1415.2	1270.9	1276.3	1494.7	1624.5	1417.7
60°	1593.0	1589.3	1582.1	1569.3	1552.9	1449.8	1351.5	1363.7	1665.8	1724.0	1463.8
62.5°	1647.0	1639.7	1634.2	1621.5	1606.3	1534.7	1452.8	1456.5	1826.5	1736.1	1418.9
65°	1798.6	1785.3	1776.2	1759.2	1742.2	1662.7	1582.1	1542.6	1905.4	1622.7	1266.6
67.5°	2116.5	2094.6	2068.6	2036.4	1989.7	1918.1	1710.0	1554.8	1833.8	1374.6	999.1
70°	2744.9	2697.6	2637.6	2569.0	2551.4	2342.8	1790.1	1465.0	1524.4	960.3	662.4
72.5°	3589.3	3540.2	3486.8	3430.4	3318.8	2860.2	1754.9	1181.7	948.1	493.8	315.4
73°	3603.3	3569.9	3505.6	3440.1	3349.1	2851.1	1716.7	1089.5	835.9	388.8	258.4
75°	3231.4	3218.1	3155.0	3028.8	2951.8	2408.3	1264.2	631.5	365.8	240.2	168.0
77.5°	2097.1	2082.5	2046.7	2034.6	1892.6	1561.4	566.0	245.7	199.0	159.5	118.9
80°	1117.4	1049.4	1037.3	988.8	885.1	601.2	193.5	150.4	132.2	106.8	83.1
82.5°	453.1	424.0	413.1	374.3	351.8	180.2	97.1	104.3	88.6	63.1	51.0
85°	166.8	153.5	149.8	121.9	107.4	53.4	59.4	73.4	55.2	35.2	25.5
87.5°	57.6	49.7	43.1	33.4	30.9	21.8	32.8	40.0	35.2	21.2	12.1
90°	4.2	3.6	3.0	2.4	3.0	2.4	3.6	5.5	6.1	3.6	2.4
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: P226589

CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-8030

CANDELA DISTRIBUTION (continued):

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
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: P226589

CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-8030

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	621.8	621.8	621.8	621.8	621.8	621.8	621.8	621.8	621.8	621.8
2.5°	624.2	626.6	631.5	635.1	638.2	642.4	643.6	646.0	643.0	646.7
5°	621.8	629.1	638.2	646.7	654.5	661.2	664.2	664.9	665.5	667.9
7.5°	615.7	626.6	641.2	652.7	664.9	669.1	670.9	671.5	667.3	669.1
10°	603.6	621.2	639.4	653.3	659.4	656.4	651.5	643.6	640.0	640.0
12.5°	590.2	612.7	633.9	641.8	636.3	624.8	611.5	596.9	591.5	591.5
15°	579.3	607.8	625.4	620.0	604.2	582.4	564.2	549.0	544.1	542.3
17.5°	573.3	605.4	612.1	595.1	568.4	541.1	522.9	510.2	505.9	505.9
20°	578.1	607.8	596.9	565.4	532.0	507.1	491.4	482.9	478.6	480.4
22.5°	598.7	616.9	583.6	536.2	495.6	474.4	467.1	461.6	461.0	462.2
25°	633.3	629.1	572.0	505.9	461.6	446.5	445.9	444.0	443.4	442.8
27.5°	678.2	644.2	558.1	471.9	427.7	420.4	424.0	423.4	422.8	423.4
30°	737.6	657.6	537.5	434.9	395.5	395.5	401.0	399.2	396.7	397.3
32.5°	792.8	667.3	505.9	393.7	370.0	371.2	373.1	368.2	362.1	363.4
35°	840.2	667.3	463.5	356.7	344.0	344.0	345.2	340.9	336.1	334.2
37.5°	879.6	653.9	410.1	328.8	322.7	322.7	327.6	323.3	314.2	312.4
40°	903.3	624.8	360.9	308.2	312.4	313.0	306.3	299.1	290.6	288.7
42.5°	918.4	582.4	322.1	293.6	305.7	300.9	285.1	273.6	273.0	275.4
45°	931.8	534.4	291.2	279.0	298.5	288.1	266.9	256.0	259.6	262.1
47.5°	945.1	486.5	266.3	262.7	285.1	277.8	255.4	243.3	241.4	245.1
50°	976.7	419.8	237.8	243.3	268.7	266.3	245.1	231.1	219.6	219.0
52.5°	1019.1	330.6	213.5	226.3	256.0	259.6	233.5	220.2	204.4	202.0
55°	1066.4	253.6	193.5	212.9	243.9	249.9	229.3	209.3	192.3	189.9
57.5°	1080.4	200.2	174.7	194.1	227.5	240.8	222.6	196.5	183.8	181.4
60°	1032.5	166.2	158.9	178.3	211.1	231.7	212.3	186.8	175.3	173.5
62.5°	886.3	146.8	150.4	168.0	199.0	223.2	204.4	179.6	170.5	169.2
65°	676.4	133.5	143.2	159.5	188.1	215.3	199.0	176.5	169.2	168.0
67.5°	424.6	123.7	135.9	150.4	177.1	206.9	194.7	172.9	167.4	165.6
70°	235.4	113.4	126.2	140.1	166.2	199.0	189.3	167.4	166.8	163.2
72.5°	143.2	102.5	115.9	129.2	154.1	189.3	179.6	160.8	154.7	147.4
73°	136.5	101.3	113.4	126.8	151.0	186.8	177.7	158.3	152.3	145.0
75°	110.4	91.0	103.7	115.3	140.1	177.1	167.4	149.8	140.1	134.7
77.5°	81.3	77.6	89.8	100.7	126.2	163.8	152.9	137.1	125.6	122.5
80°	60.1	64.3	75.8	85.5	111.0	150.4	137.7	122.5	115.3	111.6
82.5°	40.6	49.7	60.7	68.5	98.3	135.9	121.9	107.4	112.2	93.4
85°	23.7	34.6	43.7	53.4	78.9	121.3	106.2	91.6	80.1	72.2
87.5°	15.8	19.4	26.7	36.4	57.0	95.2	84.3	71.6	52.2	52.2
90°	1.8	2.4	3.6	4.2	7.9	40.6	27.9	33.4	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
95°	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
100°	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
105°	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



REPORT NUMBER: P226589
 CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-8030

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	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
115°	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
120°	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
125°	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
130°	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
135°	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
140°	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
145°	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
150°	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
155°	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
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)