

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: P227465

Luminaire Tested: **IST-AF-800-LED-E1-RW-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227465
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29767)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-800-LED-E1-RW-ULG
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-RECTANGULAR WIDE TYPE I, WITH UPLIGHT
GLOW
Light Source: (16) 4000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6946.7 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B2 - U5 - G2

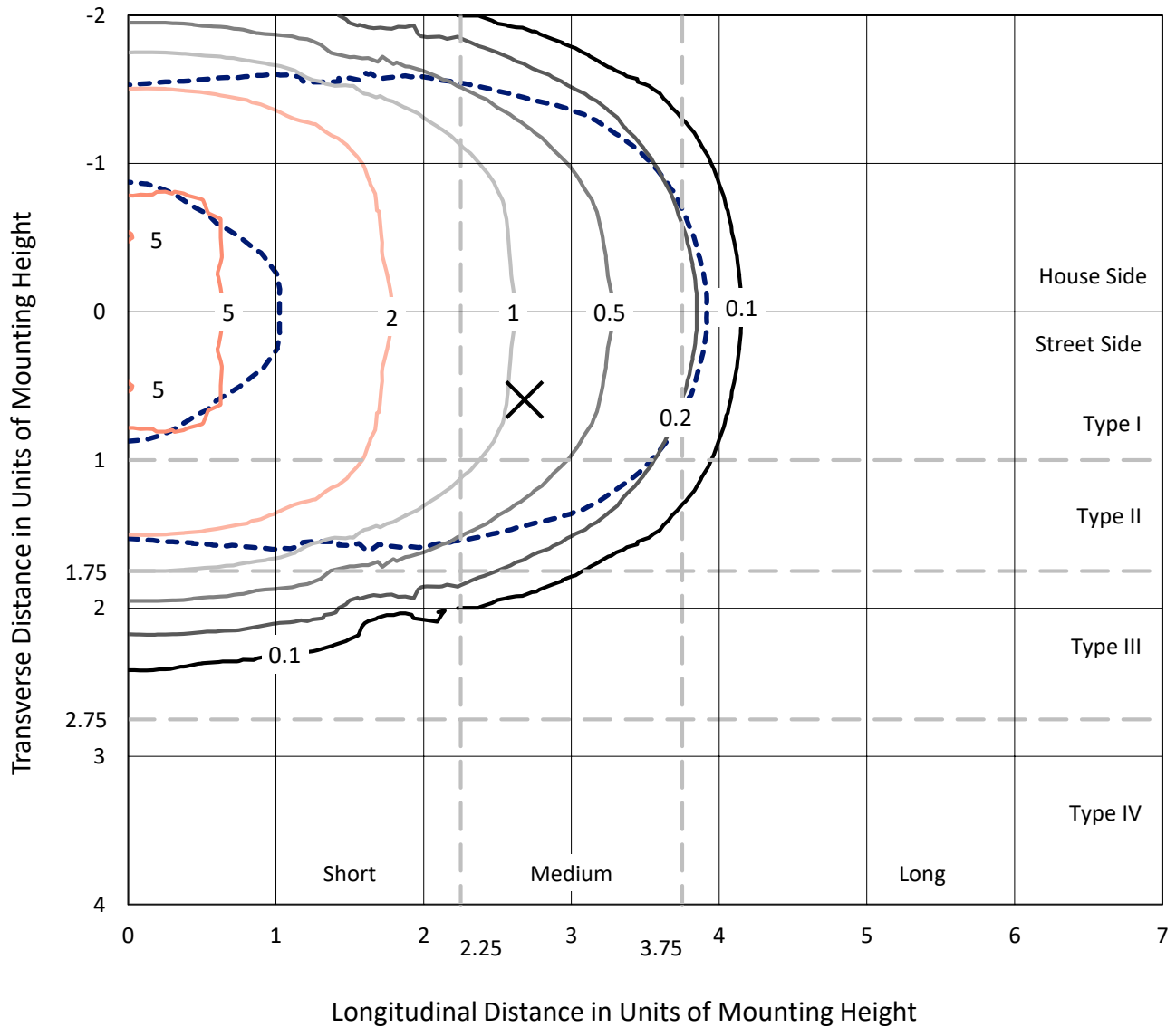
Input Watts (W): 60.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

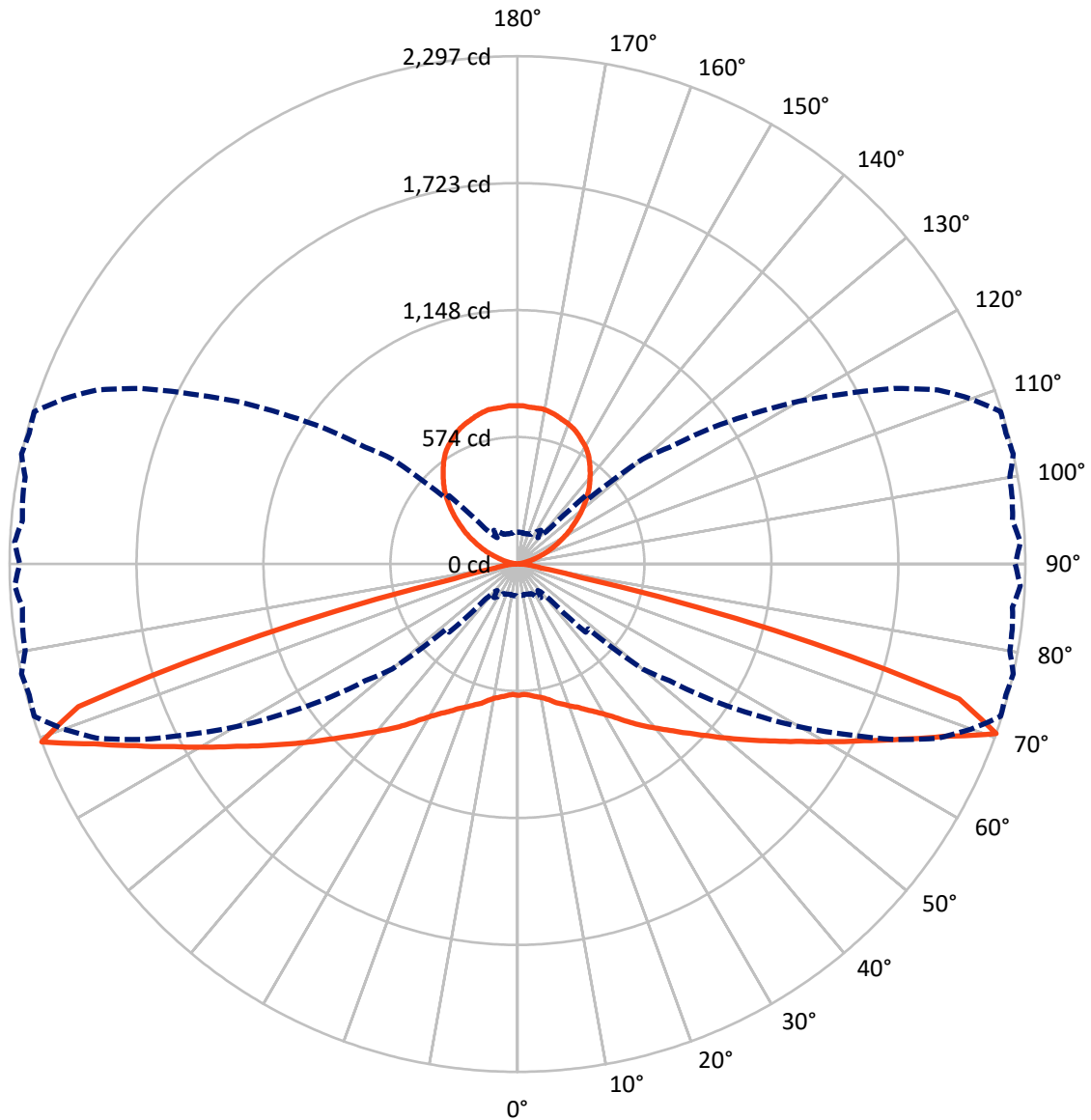
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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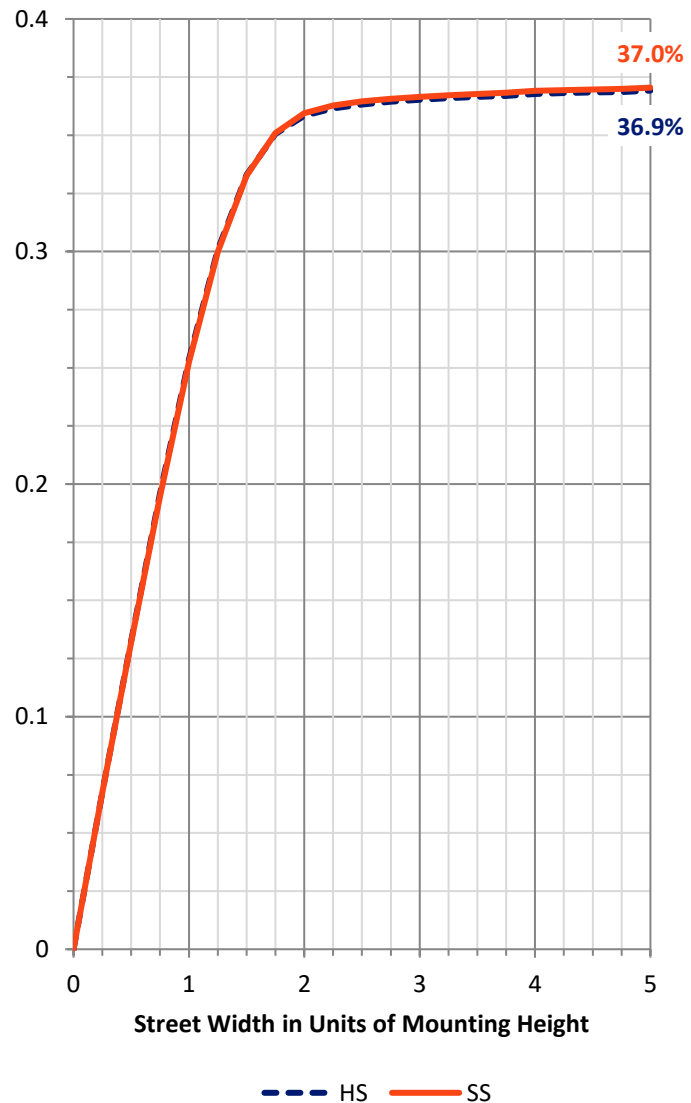
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2585.5	887.9	3473.3
	% Fixture	37.2	12.8	50.0
Street Side	Lumens	2585.5	887.9	3473.3
	% Fixture	37.2	12.8	50.0
Total	Lumens	5170.9	1775.8	6946.7
	% Fixture	74.4	25.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	0.8
10°-20°	179.5	2.6
20°-30°	337.0	4.9
30°-40°	588.9	8.5
40°-50°	960.0	13.8
50°-60°	1313.7	18.9
60°-70°	1208.4	17.4
70°-80°	472.4	6.8
80°-90°	53.6	0.8
90°-100°	10.3	0.1
100°-110°	58.7	0.8
110°-120°	169.9	2.4
120°-130°	279.4	4.0
130°-140°	344.6	5.0
140°-150°	352.5	5.1
150°-160°	297.0	4.3
160°-170°	195.5	2.8
170°-180°	67.8	1.0
0°-90°	5170.9	74.4
0°-180°	6946.7	100.0



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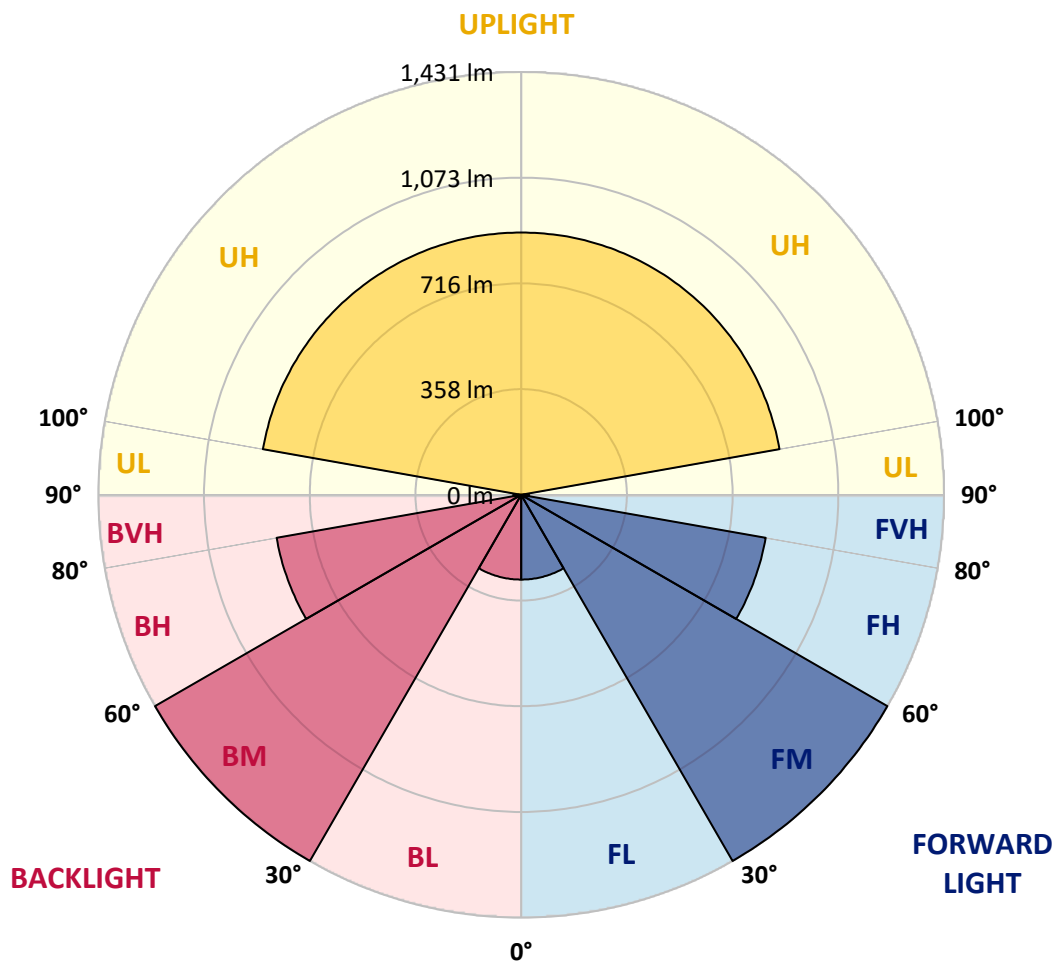
CATALOG NUMBER: IST-AF-800-LED-E1-RW-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	287.0	4.1			
FM	(30°-60°)	1431.3	20.6			
FH	(60°-80°)	840.4	12.1			G1/1800
FVH	(80°-90°)	26.8	0.4			G1/100
BL	(0°-30°)	287.0	4.1	B1/500		
BM	(30°-60°)	1431.3	20.6	B2/2500		
BH	(60°-80°)	840.4	12.1	B2/1000		G2/1000
BVH	(80°-90°)	26.8	0.4			G1/100
UL	(90°-100°)	10.3	0.1		U2/50	
UH	(100°-180°)	887.9	12.8		U4/1000	

BUG Rating: B2-U5-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0°	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0
2.5°	591.7	591.0	591.0	591.7	593.2	594.0	592.5	593.2	593.2	592.5	594.7
5°	593.2	592.5	593.2	594.7	597.0	599.3	598.5	598.5	599.3	597.8	601.6
7.5°	591.7	591.0	592.5	596.3	601.6	604.7	604.7	604.7	606.1	605.4	610.0
10°	584.8	584.1	587.9	594.7	604.7	606.9	609.2	610.0	614.5	614.5	619.1
12.5°	578.8	579.5	584.8	595.5	611.5	612.2	615.3	618.3	624.4	621.3	629.7
15°	581.0	582.6	589.4	602.3	623.6	622.9	625.1	628.2	638.1	631.3	645.0
17.5°	592.5	594.7	602.3	617.6	639.7	635.8	638.8	643.4	656.3	647.9	664.0
20°	610.7	613.8	622.2	638.8	659.4	655.6	658.6	664.0	679.1	670.7	686.8
22.5°	635.0	638.1	647.2	666.2	688.2	683.7	686.8	691.3	708.1	695.1	714.9
25°	667.8	670.7	680.7	700.4	725.6	720.3	721.8	724.8	742.3	727.1	746.0
27.5°	713.4	716.5	724.8	743.8	768.1	763.5	765.1	768.1	786.4	771.2	787.9
30°	771.2	774.3	781.8	800.9	821.4	816.0	818.4	820.6	837.4	822.1	835.9
32.5°	839.6	838.9	850.3	870.0	888.3	878.4	878.4	878.4	894.4	879.2	889.9
35°	920.2	920.2	931.7	950.6	967.4	955.9	950.6	947.7	965.2	946.1	953.7
37.5°	1008.4	1004.6	1022.1	1039.6	1055.6	1041.2	1036.7	1032.8	1045.8	1024.5	1028.3
40°	1102.0	1099.0	1118.0	1137.7	1148.4	1129.4	1125.6	1121.1	1134.8	1114.2	1113.4
42.5°	1187.2	1184.9	1209.2	1232.0	1245.0	1220.7	1215.4	1210.8	1226.0	1205.4	1200.8
45°	1259.5	1258.7	1286.9	1318.0	1340.8	1315.0	1311.2	1303.5	1318.8	1293.7	1291.4
47.5°	1315.7	1312.7	1346.9	1392.5	1429.1	1402.5	1401.6	1396.3	1412.3	1385.0	1381.9
50°	1353.8	1356.0	1393.3	1446.6	1505.9	1480.7	1483.1	1480.7	1504.4	1476.9	1480.7
52.5°	1360.6	1365.1	1413.1	1483.1	1565.9	1535.6	1553.0	1559.9	1589.6	1565.9	1573.6
55°	1279.2	1292.2	1365.1	1486.9	1603.2	1584.2	1606.2	1626.1	1667.8	1648.1	1661.8
57.5°	1097.4	1124.1	1208.5	1385.0	1598.7	1609.3	1654.2	1684.6	1735.5	1718.0	1750.0
60°	848.0	866.2	959.8	1165.9	1452.6	1467.1	1548.4	1645.0	1762.1	1786.5	1836.7
62.5°	555.2	565.8	657.1	866.2	1200.8	1205.4	1306.6	1432.1	1635.2	1688.4	1829.1
65°	275.3	289.8	338.4	498.9	841.2	835.0	946.1	1092.9	1356.0	1414.6	1643.6
67.5°	171.9	174.2	184.0	231.2	421.4	374.2	465.4	619.1	937.7	990.2	1280.7
70°	144.5	143.7	141.5	148.3	185.6	150.6	166.5	217.5	436.6	434.2	738.5
72.5°	133.1	130.8	124.7	124.0	129.3	118.7	120.2	123.2	174.9	146.8	284.5
75°	122.4	117.8	110.3	108.0	108.0	99.6	99.6	100.4	113.3	106.5	129.3
77.5°	109.6	104.2	96.6	93.5	90.5	81.4	80.6	81.4	91.2	85.2	96.6
80°	94.3	89.0	83.7	79.1	74.6	66.2	63.9	63.9	72.2	66.2	75.3
82.5°	82.1	75.3	73.8	66.2	59.3	51.8	49.4	45.6	53.2	46.4	56.3
85°	60.9	55.5	70.0	58.5	47.2	41.8	33.5	28.1	33.5	27.4	35.7
87.5°	35.0	32.7	61.6	46.4	41.8	44.9	27.4	19.7	19.0	16.8	19.7
90°	12.0	12.7	17.1	15.0	17.3	12.5	9.9	9.6	11.8	10.2	12.5
92.5°	4.1	4.1	5.1	6.1	6.1	6.1	6.1	6.1	6.1	6.3	6.6
95°	5.1	5.1	6.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
97.5°	7.2	7.2	8.2	8.2	9.2	9.2	9.2	9.2	9.2	10.0	10.7
100°	8.2	8.2	9.2	10.2	12.3	14.5	16.9	19.2	21.5	23.5	25.6
102.5°	11.3	11.3	13.3	18.4	27.6	30.9	34.3	37.6	40.9	43.5	46.0
105°	21.5	22.5	27.6	36.8	49.1	53.0	56.8	60.6	64.4	66.7	69.0
107.5°	41.9	43.0	50.1	59.3	74.7	78.6	82.3	86.1	90.0	91.9	93.6
110°	67.5	69.6	75.7	89.0	104.3	107.4	110.5	113.5	116.6	118.2	119.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
112.5°	101.3	101.3	108.4	123.8	137.1	139.3	141.7	144.0	146.3	147.5	148.8
115°	143.2	142.2	150.4	162.6	171.9	173.4	174.9	176.5	178.0	179.2	180.6
117.5°	188.2	188.2	193.3	201.5	206.6	207.5	208.2	208.9	209.7	211.2	212.8
120°	230.2	228.1	231.2	238.3	242.4	244.0	245.5	247.0	248.6	249.4	250.1
122.5°	269.0	266.0	267.0	273.1	277.2	278.8	280.3	281.8	283.4	283.9	284.4
125°	304.8	300.7	302.8	305.9	312.0	313.2	314.6	315.9	317.1	317.9	318.6
127.5°	337.6	336.6	336.6	340.6	346.8	347.0	347.3	347.6	347.8	349.0	350.4
130°	371.3	369.3	370.3	374.4	378.5	379.0	379.5	380.0	380.5	381.8	383.1
132.5°	405.1	403.0	402.0	410.2	413.3	413.5	413.8	414.1	414.3	415.8	417.4
135°	438.8	435.8	435.8	441.9	445.0	445.5	446.0	446.5	447.0	448.6	450.1
137.5°	470.6	467.5	469.5	470.6	474.6	475.7	476.7	477.7	478.7	480.0	481.3
140°	499.2	496.1	498.2	500.2	502.3	503.8	505.3	506.9	508.4	509.2	509.9
142.5°	529.9	526.8	528.9	529.9	533.0	534.0	535.0	536.0	537.0	537.6	538.1
145°	562.6	558.5	556.5	559.6	562.6	562.8	563.1	563.4	563.6	564.9	566.2
147.5°	588.2	585.1	584.1	587.2	587.2	587.4	587.7	588.0	588.2	589.4	590.8
150°	608.7	605.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6	607.6	608.7
152.5°	625.0	622.0	622.0	623.0	624.0	624.0	624.0	624.0	624.0	624.2	624.5
155°	643.4	639.3	639.3	641.4	644.5	643.9	643.4	642.9	642.4	641.9	641.4
157.5°	660.8	657.8	657.8	658.8	660.8	660.6	660.3	660.0	659.8	659.6	659.3
160°	678.2	675.1	674.1	671.1	670.0	670.0	670.0	670.0	670.0	670.9	671.6
162.5°	688.4	684.4	684.4	680.3	676.2	676.7	677.2	677.7	678.2	679.2	680.3
165°	696.6	693.6	691.5	691.5	688.4	688.4	688.4	688.4	688.4	688.2	687.9
167.5°	705.8	702.8	699.7	701.7	703.8	703.0	702.3	701.5	700.7	698.9	697.1
170°	714.0	711.0	707.9	707.9	708.9	708.4	707.9	707.4	706.9	705.6	704.3
172.5°	715.0	713.0	711.0	708.9	705.8	705.8	705.8	705.8	705.8	705.6	705.3
175°	716.1	714.0	713.0	711.0	706.9	706.7	706.3	706.0	705.8	705.8	705.8
177.5°	723.2	721.2	716.1	715.0	713.0	712.5	712.0	711.5	711.0	710.7	710.4
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1



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CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0°	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0
2.5°	592.5	594.7	591.7	594.7	589.4	594.0	590.1	594.7	591.0	594.7	590.1
5°	596.3	602.3	595.5	603.8	594.0	603.8	595.5	604.7	597.0	604.7	596.3
7.5°	602.3	613.0	603.8	614.5	602.3	616.0	604.7	617.6	606.1	618.3	605.4
10°	610.0	623.6	611.5	625.1	610.7	626.7	612.2	629.0	613.8	630.4	614.5
12.5°	616.8	634.3	620.6	638.8	622.9	641.9	625.1	646.5	628.2	650.3	629.7
15°	629.7	652.5	635.0	657.1	638.8	660.9	642.6	667.0	646.5	671.6	650.3
17.5°	646.5	671.6	653.3	675.4	655.6	680.0	660.1	684.5	664.0	689.8	666.2
20°	669.3	694.4	675.4	696.6	677.6	699.7	680.0	701.9	684.5	706.6	686.0
22.5°	695.1	718.7	698.2	719.4	698.2	718.7	699.7	719.4	701.9	722.5	704.3
25°	726.3	748.4	727.8	746.0	724.8	743.1	724.8	743.1	727.1	744.6	730.9
27.5°	769.7	786.4	765.1	781.0	758.2	774.3	755.2	771.2	756.0	771.2	757.5
30°	818.4	833.5	809.3	822.1	797.1	809.3	788.7	802.4	786.4	800.9	790.2
32.5°	871.6	883.7	859.4	870.0	844.2	854.9	832.8	841.9	828.2	837.4	830.5
35°	930.9	943.1	918.0	927.8	902.0	911.1	889.0	893.6	879.9	886.0	879.9
37.5°	1001.7	1012.3	983.4	992.5	964.3	975.8	949.2	953.7	937.0	940.8	928.6
40°	1077.7	1089.1	1054.9	1064.0	1029.0	1042.0	1012.3	1015.3	992.5	996.4	977.3
42.5°	1159.8	1170.5	1127.9	1135.5	1094.5	1108.1	1073.1	1079.2	1051.8	1055.6	1031.3
45°	1250.4	1256.4	1209.2	1214.5	1165.1	1178.8	1134.8	1146.1	1113.4	1121.1	1092.9
47.5°	1334.7	1346.9	1295.2	1299.8	1246.6	1254.9	1203.9	1219.2	1184.2	1195.5	1161.4
50°	1431.3	1440.4	1391.0	1391.8	1340.1	1343.1	1286.1	1301.3	1263.2	1275.4	1238.9
52.5°	1530.2	1536.3	1483.1	1488.4	1437.5	1442.8	1385.7	1391.8	1347.6	1358.3	1322.6
55°	1626.1	1627.5	1583.4	1581.9	1534.0	1543.9	1480.7	1494.4	1442.0	1453.4	1413.1
57.5°	1721.8	1727.2	1686.1	1687.7	1639.7	1646.5	1589.6	1599.4	1550.0	1563.7	1513.5
60°	1823.0	1839.8	1799.5	1804.8	1759.2	1772.8	1703.6	1716.5	1662.5	1684.6	1630.6
62.5°	1887.7	1950.1	1942.4	1950.8	1907.4	1914.2	1842.7	1863.3	1798.7	1814.6	1759.2
65°	1764.5	1917.3	1994.9	2080.1	2082.3	2104.4	2035.2	2042.8	1978.2	1974.4	1908.9
67.5°	1438.2	1626.8	1757.6	1932.6	2055.0	2172.8	2215.4	2226.1	2191.2	2153.8	2080.1
70°	867.8	1073.9	1266.3	1472.4	1665.6	1877.7	2058.0	2182.8	2291.5	2286.2	2296.8
72.5°	343.0	514.1	642.6	835.9	1027.5	1262.5	1461.8	1637.4	1824.5	1939.4	2088.5
75°	135.3	178.7	209.2	317.1	408.4	583.3	759.0	854.1	1000.9	1101.3	1204.7
77.5°	97.4	106.5	108.0	125.5	132.4	183.3	214.5	247.1	278.3	298.1	294.3
80°	75.3	81.4	81.4	89.0	88.2	98.1	95.9	105.0	104.2	111.8	106.5
82.5°	56.3	60.0	60.0	66.2	66.2	72.2	70.7	76.8	74.6	79.9	74.6
85°	36.5	40.3	40.3	43.4	41.8	47.9	47.2	51.8	49.4	51.8	47.9
87.5°	20.6	22.8	23.5	25.9	23.5	28.1	27.4	29.7	27.4	29.7	28.1
90°	10.2	11.8	10.7	12.8	10.9	16.1	13.0	16.8	11.5	18.3	12.5
92.5°	7.0	7.2	7.2	7.2	7.2	7.2	7.0	6.6	6.3	6.1	6.1
95°	7.2	7.2	7.4	7.7	8.0	8.2	8.0	7.7	7.4	7.2	7.2
97.5°	11.5	12.3	11.8	11.3	10.7	10.2	10.0	9.7	9.4	9.2	9.0
100°	27.6	29.7	28.8	28.1	27.4	26.6	25.8	25.1	24.3	23.5	22.5
102.5°	48.6	51.1	50.3	49.6	48.9	48.1	46.9	45.5	44.2	43.0	42.1
105°	71.4	73.7	73.1	72.6	72.1	71.6	70.4	69.0	67.7	66.5	65.5
107.5°	95.3	97.2	97.0	96.7	96.4	96.2	95.1	94.1	93.1	92.1	91.2
110°	121.2	122.8	123.0	123.3	123.6	123.8	123.3	122.8	122.2	121.7	120.9



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CATALOG NUMBER: IST-AF-800-LED-E1-RW-ULG

CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
112.5°	150.2	151.4	151.9	152.4	152.9	153.4	153.2	152.9	152.6	152.4	151.9
115°	181.9	183.1	183.9	184.6	185.4	186.2	185.4	184.6	183.9	183.1	182.6
117.5°	214.3	215.8	216.9	217.9	218.9	219.9	218.7	217.4	216.0	214.8	214.3
120°	250.8	251.6	252.7	253.7	254.7	255.7	254.5	253.2	251.9	250.6	250.1
122.5°	284.9	285.4	286.4	287.4	288.5	289.5	288.3	286.9	285.6	284.4	283.9
125°	319.4	320.2	320.7	321.2	321.7	322.2	321.0	319.7	318.3	317.1	317.1
127.5°	351.7	352.9	353.1	353.4	353.7	353.9	353.9	353.9	353.9	353.9	353.7
130°	384.4	385.7	386.7	387.7	388.7	389.7	389.7	389.7	389.7	389.7	389.2
132.5°	418.9	420.4	421.7	423.0	424.3	425.5	425.0	424.5	424.0	423.5	423.5
135°	451.6	453.2	454.4	455.7	457.1	458.3	458.1	457.8	457.5	457.3	458.1
137.5°	482.6	483.9	484.4	484.9	485.4	485.9	486.1	486.4	486.7	486.9	488.2
140°	510.7	511.5	512.0	512.5	513.0	513.5	514.0	514.5	515.1	515.6	516.8
142.5°	538.6	539.1	540.6	542.2	543.7	545.2	545.2	545.2	545.2	545.2	545.4
145°	567.5	568.8	570.3	571.8	573.4	574.9	574.7	574.4	574.1	573.9	573.1
147.5°	592.1	593.3	594.5	595.9	597.2	598.4	598.6	598.9	599.2	599.4	598.6
150°	609.7	610.7	611.5	612.2	613.0	613.8	614.6	615.3	616.0	616.8	617.7
152.5°	624.8	625.0	625.8	626.6	627.3	628.1	629.1	630.1	631.2	632.2	633.4
155°	640.9	640.4	641.6	642.9	644.3	645.5	646.7	648.0	649.4	650.6	651.1
157.5°	659.0	658.8	659.8	660.8	661.8	662.9	663.4	663.9	664.4	664.9	664.9
160°	672.3	673.1	674.6	676.2	677.7	679.2	678.4	677.7	677.0	676.2	676.0
162.5°	681.3	682.3	683.3	684.4	685.4	686.4	686.2	685.9	685.6	685.4	684.9
165°	687.6	687.4	688.7	690.0	691.3	692.5	693.4	694.1	694.8	695.6	695.1
167.5°	695.4	693.6	695.1	696.6	698.2	699.7	700.7	701.7	702.8	703.8	703.8
170°	703.0	701.7	702.6	703.3	704.0	704.8	706.0	707.4	708.7	709.9	710.4
172.5°	705.0	704.8	705.6	706.3	707.1	707.9	708.4	708.9	709.4	709.9	710.4
175°	705.8	705.8	707.1	708.4	709.7	711.0	711.2	711.5	711.8	712.0	711.5
177.5°	710.1	709.9	711.2	712.5	713.8	715.0	715.6	716.1	716.6	717.1	716.3
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1



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CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
0°	594.0	594.0	594.0	594.0	594.0
2.5°	594.0	592.5	595.5	591.0	594.7
5°	604.7	597.8	606.1	597.8	605.4
7.5°	619.1	607.6	619.8	607.6	619.8
10°	632.8	613.8	633.5	615.3	634.3
12.5°	653.3	630.4	656.3	631.3	656.3
15°	676.1	650.3	679.1	651.0	680.7
17.5°	694.4	669.3	697.4	669.3	698.2
20°	709.6	689.8	713.4	689.8	715.7
22.5°	727.1	712.6	731.6	712.6	736.2
25°	749.9	740.0	755.2	741.5	758.2
27.5°	776.5	769.7	781.8	771.9	784.9
30°	807.7	805.4	811.5	806.9	814.6
32.5°	842.7	848.0	848.0	848.0	851.0
35°	893.6	898.2	898.2	899.7	900.5
37.5°	942.3	949.9	949.2	951.4	951.4
40°	993.3	1003.1	1003.1	1003.1	1004.6
42.5°	1049.5	1060.2	1061.7	1057.1	1060.2
45°	1112.7	1116.4	1120.2	1118.0	1123.3
47.5°	1180.4	1184.2	1187.2	1184.2	1192.6
50°	1260.2	1259.5	1267.8	1259.5	1271.6
52.5°	1343.9	1350.7	1356.0	1347.6	1356.0
55°	1438.2	1435.9	1453.4	1442.0	1453.4
57.5°	1541.6	1541.6	1559.1	1548.4	1561.4
60°	1664.0	1654.2	1678.6	1661.1	1678.6
62.5°	1788.0	1770.5	1797.9	1782.7	1805.5
65°	1931.0	1905.9	1931.7	1912.0	1932.6
67.5°	2075.5	2046.6	2055.0	2045.1	2056.5
70°	2261.1	2257.2	2247.4	2276.3	2251.2
72.5°	2064.8	2109.0	2073.2	2142.5	2095.3
75°	1268.6	1350.0	1394.8	1465.6	1454.1
77.5°	300.4	267.0	294.3	263.9	297.4
80°	111.0	101.2	105.7	92.1	102.7
82.5°	76.0	66.2	63.9	50.9	54.7
85°	48.7	39.6	36.5	30.4	33.5
87.5°	28.9	22.1	20.6	17.5	18.2
90°	16.6	10.7	13.2	8.7	12.5
92.5°	6.1	6.1	6.1	6.1	6.1
95°	7.2	7.2	7.2	7.2	7.2
97.5°	8.7	8.4	8.2	8.2	8.2
100°	21.5	20.5	19.4	19.4	19.4
102.5°	41.4	40.7	39.9	39.4	38.9
105°	64.4	63.4	62.4	62.4	62.4
107.5°	90.5	89.8	89.0	88.5	88.0
110°	120.2	119.5	118.7	119.2	119.7



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CATALOG NUMBER: IST-AF-800-LED-E1-RW-ULG

CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
112.5°	151.4	150.9	150.4	150.4	150.4
115°	182.1	181.6	181.1	181.6	182.1
117.5°	213.8	213.3	212.8	213.3	213.8
120°	249.6	249.1	248.6	248.6	248.6
122.5°	283.4	282.8	282.3	282.8	283.4
125°	317.1	317.1	317.1	317.1	317.1
127.5°	353.4	353.1	352.9	353.9	355.0
130°	388.7	388.2	387.7	388.2	388.7
132.5°	423.5	423.5	423.5	424.0	424.5
135°	458.8	459.5	460.3	460.8	461.4
137.5°	489.5	490.8	492.0	492.6	493.1
140°	518.1	519.5	520.7	521.7	522.7
142.5°	545.7	546.1	546.3	547.3	548.3
145°	572.3	571.6	570.8	571.8	572.9
147.5°	597.9	597.2	596.4	597.4	598.4
150°	618.4	619.1	619.9	622.0	624.0
152.5°	634.7	636.1	637.3	639.9	642.4
155°	651.6	652.1	652.6	654.2	655.7
157.5°	664.9	664.9	664.9	667.5	670.0
160°	675.7	675.4	675.1	678.2	681.3
162.5°	684.4	683.8	683.3	686.4	689.5
165°	694.6	694.1	693.6	695.6	697.7
167.5°	703.8	703.8	703.8	706.9	709.9
170°	711.0	711.5	712.0	714.5	717.1
172.5°	711.0	711.5	712.0	714.5	717.1
175°	711.0	710.4	709.9	712.5	715.0
177.5°	715.6	714.8	714.0	716.1	718.1
180°	716.1	716.1	716.1	716.1	716.1

(END OF REPORT)