

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: P227466

Luminaire Tested: **IST-AF-800-LED-E1-RW-8030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227466
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-8030-ULG
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-RECTANGULAR WIDE TYPE I, WITH UPLIGHT
GLOW
Light Source: (16) 3000K CCT, 80 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5860.8 lumens
Efficiency: N/A
Efficacy: 97.4 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

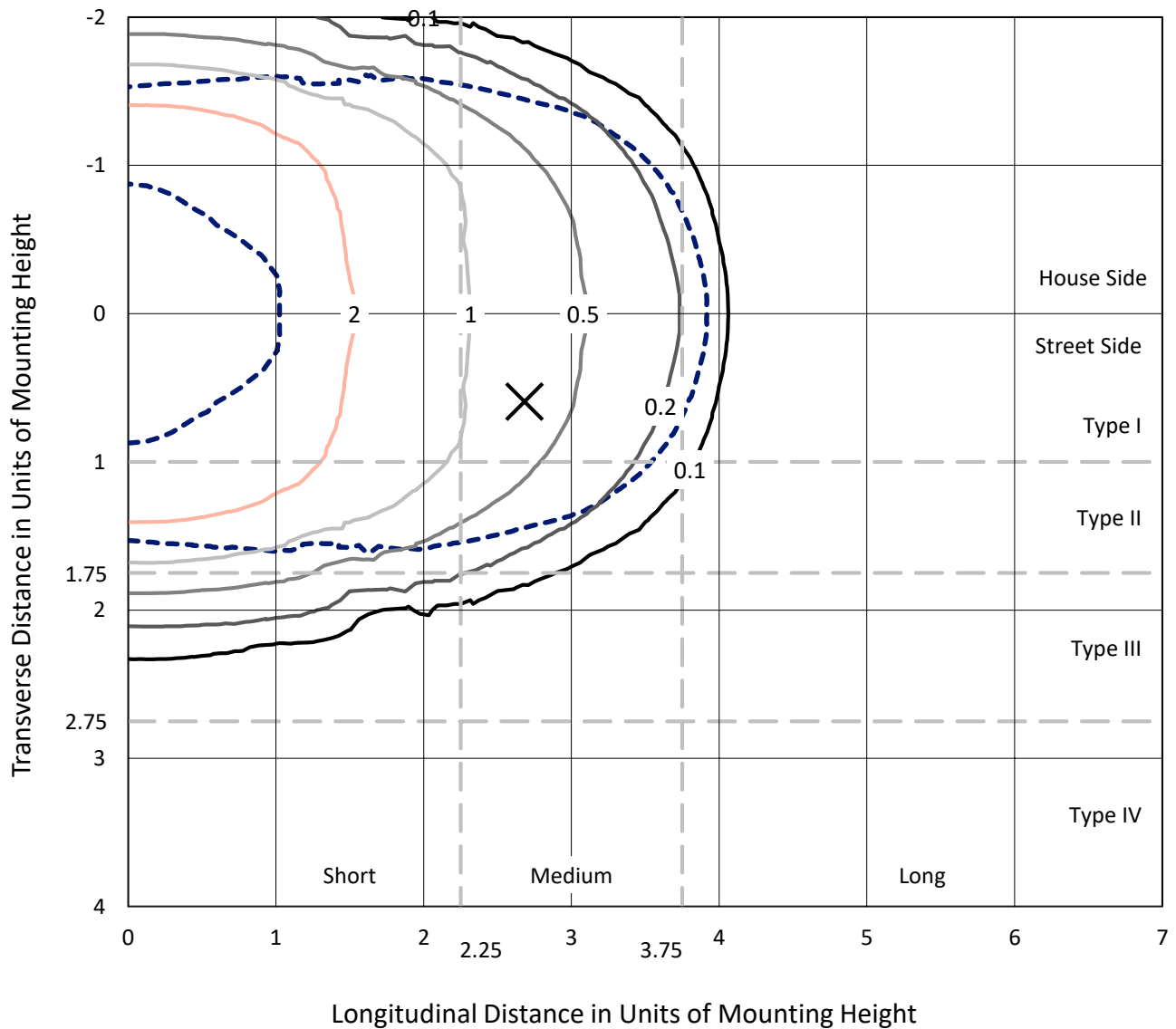


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Iso-Footcandle Lines of Horizontal Illumination

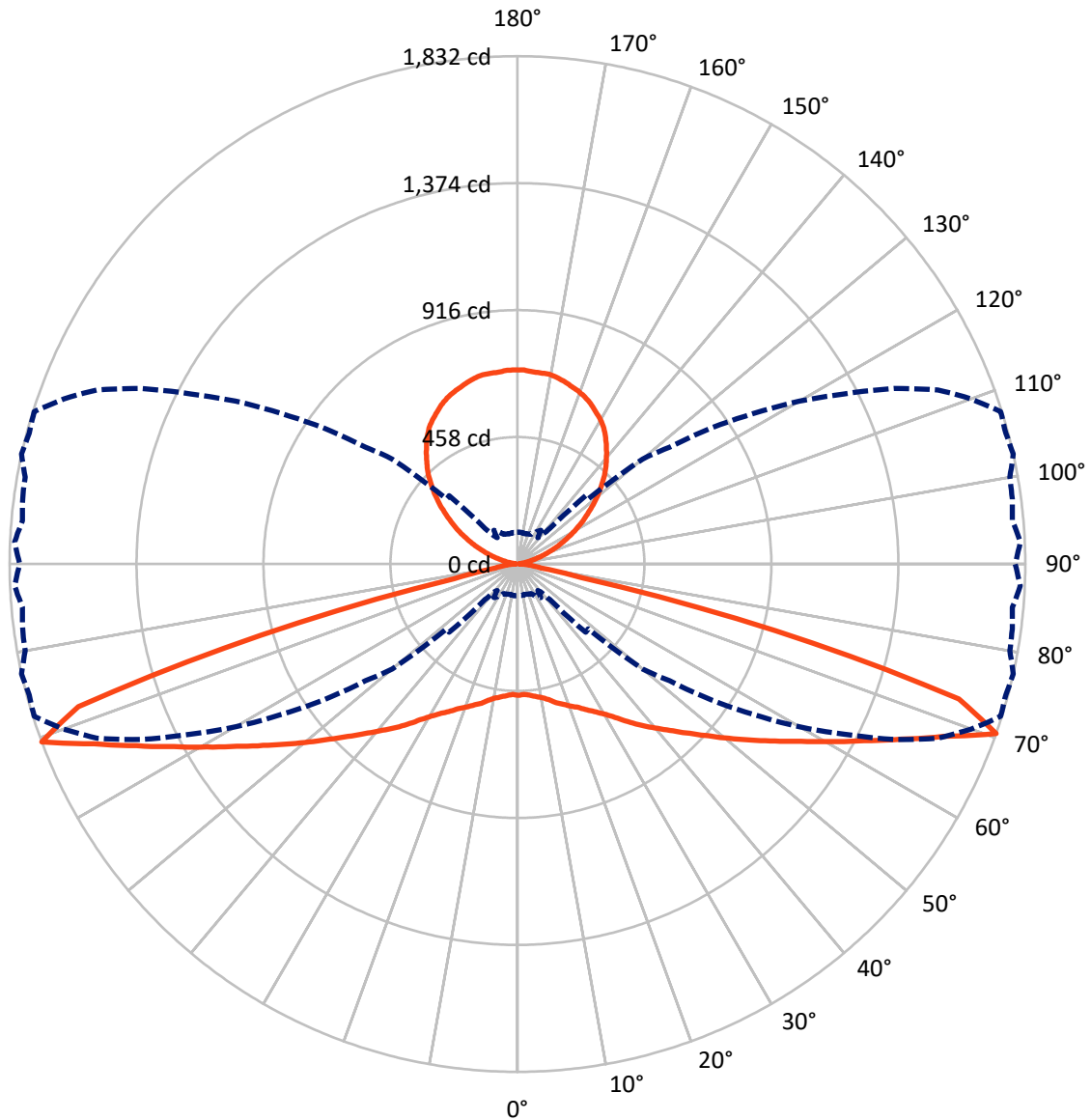
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 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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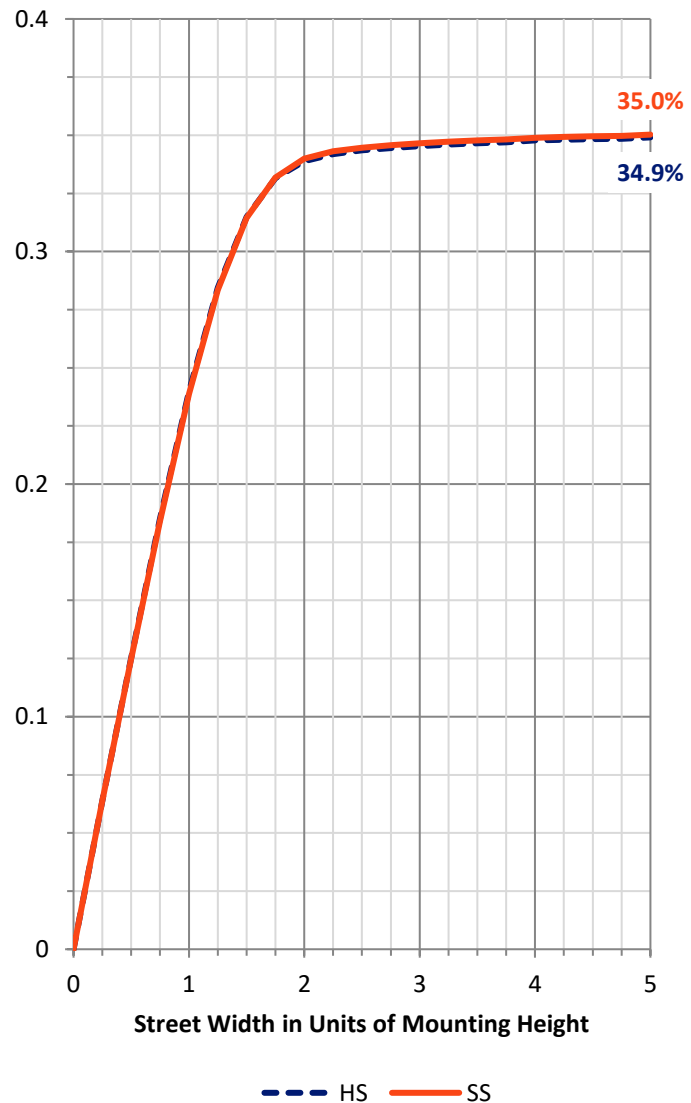
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2062.5	867.9	2930.4
	% Fixture	35.2	14.8	50.0
Street Side	Lumens	2062.5	867.9	2930.4
	% Fixture	35.2	14.8	50.0
Total	Lumens	4125.0	1735.8	5860.8
	% Fixture	70.4	29.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	0.8
10°-20°	143.2	2.4
20°-30°	268.8	4.6
30°-40°	469.8	8.0
40°-50°	765.8	13.1
50°-60°	1047.9	17.9
60°-70°	964.0	16.4
70°-80°	376.8	6.4
80°-90°	43.0	0.7
90°-100°	9.9	0.2
100°-110°	57.4	1.0
110°-120°	166.1	2.8
120°-130°	273.2	4.7
130°-140°	336.8	5.7
140°-150°	344.6	5.9
150°-160°	290.3	5.0
160°-170°	191.2	3.3
170°-180°	66.3	1.1
0°-90°	4125.0	70.4
0°-180°	5860.8	100.0



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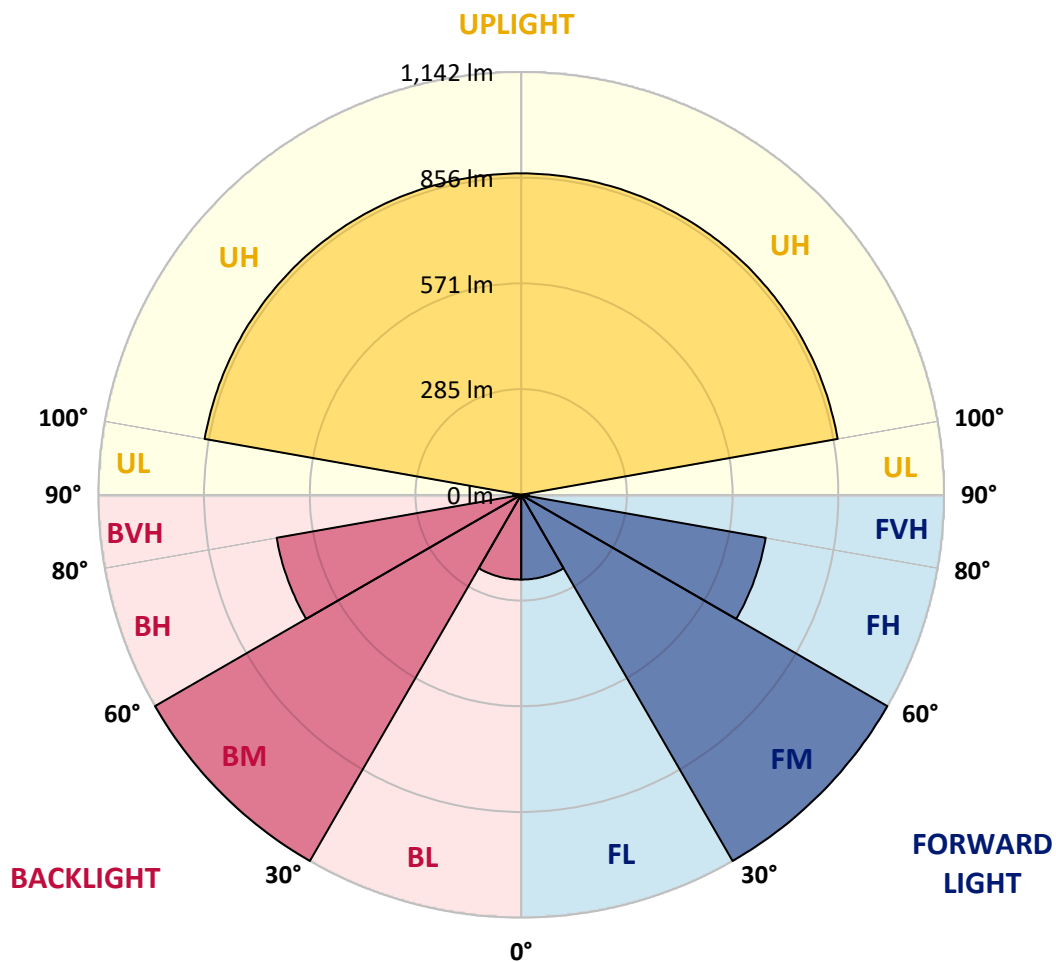
CATALOG NUMBER: IST-AF-800-LED-E1-RW-8030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	228.9	3.9			
FM (30°-60°)	1141.7	19.5			
FH (60°-80°)	670.4	11.4			G1/1800
FVH (80°-90°)	21.5	0.4			G1/100
BL (0°-30°)	228.9	3.9	B1/500		
BM (30°-60°)	1141.7	19.5	B2/2500		
BH (60°-80°)	670.4	11.4	B2/1000		G2/1000
BVH (80°-90°)	21.5	0.4			G1/100
UL (90°-100°)	9.9	0.2		U1/10	
UH (100°-180°)	867.9	14.8		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°	473.8	473.8	473.8	473.8	473.8	473.8	473.8	473.8	473.8	473.8	473.8
2.5°	472.0	471.4	471.4	472.0	473.2	473.8	472.6	473.2	473.2	472.6	474.4
5°	473.2	472.6	473.2	474.4	476.2	478.1	477.5	477.5	478.1	476.8	479.9
7.5°	472.0	471.4	472.6	475.6	479.9	482.3	482.3	482.3	483.5	482.9	486.6
10°	466.5	465.9	469.0	474.4	482.3	484.1	485.9	486.6	490.2	490.2	493.8
12.5°	461.7	462.3	466.5	475.0	487.8	488.4	490.8	493.2	498.1	495.7	502.3
15°	463.5	464.7	470.2	480.5	497.5	496.9	498.7	501.1	509.0	503.5	514.5
17.5°	472.6	474.4	480.5	492.6	510.2	507.2	509.6	513.2	523.6	516.9	529.6
20°	487.2	489.6	496.3	509.6	526.0	523.0	525.4	529.6	541.8	535.1	547.8
22.5°	506.6	509.0	516.3	531.4	549.0	545.4	547.8	551.5	564.8	554.5	570.3
25°	532.7	535.1	543.0	558.7	578.8	574.5	575.7	578.2	592.1	580.0	595.1
27.5°	569.1	571.5	578.2	593.3	612.7	609.1	610.3	612.7	627.3	615.2	628.5
30°	615.2	617.6	623.7	638.8	655.2	651.0	652.8	654.6	668.0	655.8	666.7
32.5°	669.8	669.2	678.3	694.0	708.6	700.7	700.7	700.7	713.5	701.3	709.8
35°	734.1	734.1	743.2	758.3	771.7	762.6	758.3	755.9	769.9	754.7	760.8
37.5°	804.5	801.4	815.4	829.3	842.1	830.5	826.9	823.9	834.2	817.2	820.2
40°	879.1	876.6	891.8	907.6	916.1	900.9	897.9	894.2	905.2	888.8	888.2
42.5°	947.0	945.2	964.6	982.8	993.1	973.7	969.5	965.8	978.0	961.6	957.9
45°	1004.7	1004.0	1026.5	1051.4	1069.6	1048.9	1045.9	1039.8	1052.0	1032.0	1030.1
47.5°	1049.5	1047.1	1074.4	1110.8	1139.9	1118.7	1118.1	1113.9	1126.6	1104.8	1102.3
50°	1079.9	1081.7	1111.4	1153.9	1201.2	1181.2	1183.0	1181.2	1200.0	1178.2	1181.2
52.5°	1085.3	1089.0	1127.2	1183.0	1249.1	1224.9	1238.8	1244.3	1268.0	1249.1	1255.2
55°	1020.4	1030.7	1089.0	1186.1	1278.9	1263.7	1281.3	1297.1	1330.4	1314.7	1325.6
57.5°	875.4	896.7	964.0	1104.8	1275.2	1283.7	1319.5	1343.8	1384.4	1370.5	1396.0
60°	676.4	691.0	765.6	930.0	1158.8	1170.3	1235.2	1312.2	1405.7	1425.1	1465.1
62.5°	442.9	451.4	524.2	691.0	957.9	961.6	1042.3	1142.4	1304.4	1346.8	1459.1
65°	219.6	231.1	270.0	398.0	671.0	666.1	754.7	871.8	1081.7	1128.4	1311.0
67.5°	137.1	138.9	146.8	184.4	336.1	298.5	371.3	493.8	748.0	789.9	1021.6
70°	115.3	114.7	112.8	118.3	148.0	120.1	132.9	173.5	348.2	346.4	589.1
72.5°	106.2	104.3	99.5	98.9	103.1	94.6	95.9	98.3	139.5	117.1	226.9
75°	97.7	94.0	88.0	86.1	86.1	79.5	79.5	80.1	90.4	84.9	103.1
77.5°	87.4	83.1	77.0	74.6	72.2	64.9	64.3	64.9	72.8	67.9	77.0
80°	75.2	71.0	66.7	63.1	59.5	52.8	51.0	51.0	57.6	52.8	60.1
82.5°	65.5	60.1	58.8	52.8	47.3	41.3	39.4	36.4	42.5	37.0	44.9
85°	48.5	44.3	55.8	46.7	37.6	33.4	26.7	22.4	26.7	21.8	28.5
87.5°	27.9	26.1	49.1	37.0	33.4	35.8	21.8	15.8	15.2	13.3	15.8
90°	10.5	11.1	14.9	13.5	15.3	11.4	9.3	9.0	10.6	9.4	11.2
92.5°	4.0	4.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0	6.2	6.5
95°	5.0	5.0	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
97.5°	7.0	7.0	8.0	8.0	9.0	9.0	9.0	9.0	9.0	9.8	10.5
100°	8.0	8.0	9.0	10.0	12.0	14.2	16.5	18.8	21.0	23.0	25.0
102.5°	11.0	11.0	13.0	18.0	27.0	30.2	33.5	36.8	40.0	42.5	45.0
105°	21.0	22.0	27.0	36.0	48.0	51.8	55.5	59.2	63.0	65.2	67.5
107.5°	41.0	42.0	49.0	58.0	73.0	76.8	80.5	84.2	88.0	89.8	91.5
110°	66.0	68.0	74.0	87.0	102.0	105.0	108.0	111.0	114.0	115.5	117.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
112.5°	99.0	99.0	106.0	121.0	134.0	136.2	138.5	140.8	143.0	144.2	145.5
115°	140.0	139.0	147.0	159.0	168.0	169.5	171.0	172.5	174.0	175.2	176.5
117.5°	184.0	184.0	189.0	197.0	202.0	202.8	203.5	204.2	205.0	206.5	208.0
120°	225.0	223.0	226.0	233.0	237.0	238.5	240.0	241.5	243.0	243.8	244.5
122.5°	263.0	260.0	261.0	267.0	271.0	272.5	274.0	275.5	277.0	277.5	278.0
125°	298.0	294.0	296.0	299.0	305.0	306.2	307.5	308.8	310.0	310.8	311.5
127.5°	330.0	329.0	329.0	333.0	339.0	339.2	339.5	339.8	340.0	341.2	342.5
130°	363.0	361.0	362.0	366.0	370.0	370.5	371.0	371.5	372.0	373.2	374.5
132.5°	396.0	394.0	393.0	401.0	404.0	404.2	404.5	404.8	405.0	406.5	408.0
135°	429.0	426.0	426.0	432.0	435.0	435.5	436.0	436.5	437.0	438.5	440.0
137.5°	460.0	457.0	459.0	460.0	464.0	465.0	466.0	467.0	468.0	469.2	470.5
140°	488.0	485.0	487.0	489.0	491.0	492.5	494.0	495.5	497.0	497.8	498.5
142.5°	518.0	515.0	517.0	518.0	521.0	522.0	523.0	524.0	525.0	525.5	526.0
145°	550.0	546.0	544.0	547.0	550.0	550.2	550.5	550.8	551.0	552.2	553.5
147.5°	575.0	572.0	571.0	574.0	574.0	574.2	574.5	574.8	575.0	576.2	577.5
150°	595.0	592.0	593.0	593.0	593.0	593.0	593.0	593.0	593.0	594.0	595.0
152.5°	611.0	608.0	608.0	609.0	610.0	610.0	610.0	610.0	610.0	610.2	610.5
155°	629.0	625.0	625.0	627.0	630.0	629.5	629.0	628.5	628.0	627.5	627.0
157.5°	646.0	643.0	643.0	644.0	646.0	645.8	645.5	645.2	645.0	644.8	644.5
160°	663.0	660.0	659.0	656.0	655.0	655.0	655.0	655.0	655.0	655.8	656.5
162.5°	673.0	669.0	669.0	665.0	661.0	661.5	662.0	662.5	663.0	664.0	665.0
165°	681.0	678.0	676.0	676.0	673.0	673.0	673.0	673.0	673.0	672.8	672.5
167.5°	690.0	687.0	684.0	686.0	688.0	687.2	686.5	685.8	685.0	683.2	681.5
170°	698.0	695.0	692.0	692.0	693.0	692.5	692.0	691.5	691.0	689.8	688.5
172.5°	699.0	697.0	695.0	693.0	690.0	690.0	690.0	690.0	690.0	689.8	689.5
175°	700.0	698.0	697.0	695.0	691.0	690.8	690.5	690.2	690.0	690.0	690.0
177.5°	707.0	705.0	700.0	699.0	697.0	696.5	696.0	695.5	695.0	694.8	694.5
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0



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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°	473.8	473.8	473.8	473.8	473.8	473.8	473.8	473.8	473.8	473.8	473.8
2.5°	472.6	474.4	472.0	474.4	470.2	473.8	470.8	474.4	471.4	474.4	470.8
5°	475.6	480.5	475.0	481.7	473.8	481.7	475.0	482.3	476.2	482.3	475.6
7.5°	480.5	489.0	481.7	490.2	480.5	491.4	482.3	492.6	483.5	493.2	482.9
10°	486.6	497.5	487.8	498.7	487.2	499.9	488.4	501.7	489.6	502.9	490.2
12.5°	492.0	506.0	495.0	509.6	496.9	512.0	498.7	515.7	501.1	518.7	502.3
15°	502.3	520.5	506.6	524.2	509.6	527.2	512.6	532.1	515.7	535.7	518.7
17.5°	515.7	535.7	521.1	538.7	523.0	542.4	526.6	546.0	529.6	550.3	531.4
20°	533.9	553.9	538.7	555.7	540.5	558.1	542.4	560.0	546.0	563.6	547.2
22.5°	554.5	573.3	556.9	573.9	556.9	573.3	558.1	573.9	560.0	576.3	561.8
25°	579.4	597.0	580.6	595.1	578.2	592.7	578.2	592.7	580.0	593.9	583.0
27.5°	614.0	627.3	610.3	623.1	604.9	617.6	602.4	615.2	603.0	615.2	604.2
30°	652.8	664.9	645.5	655.8	635.8	645.5	629.1	640.0	627.3	638.8	630.3
32.5°	695.3	705.0	685.5	694.0	673.4	681.9	664.3	671.6	660.7	668.0	662.5
35°	742.6	752.3	732.3	740.1	719.5	726.8	709.2	712.8	701.9	706.8	701.9
37.5°	799.0	807.5	784.4	791.7	769.3	778.4	757.1	760.8	747.4	750.5	740.8
40°	859.7	868.8	841.5	848.7	820.8	831.1	807.5	809.9	791.7	794.7	779.6
42.5°	925.2	933.7	899.7	905.8	873.0	883.9	856.0	860.9	839.0	842.1	822.7
45°	997.4	1002.2	964.6	968.9	929.4	940.3	905.2	914.3	888.2	894.2	871.8
47.5°	1064.7	1074.4	1033.2	1036.8	994.3	1001.0	960.4	972.5	944.6	953.7	926.4
50°	1141.8	1149.0	1109.6	1110.2	1069.0	1071.4	1025.9	1038.0	1007.7	1017.4	988.3
52.5°	1220.6	1225.5	1183.0	1187.3	1146.6	1150.9	1105.4	1110.2	1075.0	1083.5	1055.0
55°	1297.1	1298.3	1263.1	1261.9	1223.7	1231.6	1181.2	1192.1	1150.3	1159.4	1127.2
57.5°	1373.5	1377.8	1345.0	1346.2	1308.0	1313.5	1268.0	1275.8	1236.4	1247.3	1207.3
60°	1454.2	1467.5	1435.4	1439.6	1403.2	1414.2	1359.0	1369.3	1326.2	1343.8	1300.7
62.5°	1505.8	1555.5	1549.5	1556.1	1521.5	1527.0	1470.0	1486.4	1434.8	1447.5	1403.2
65°	1407.5	1529.4	1591.3	1659.3	1661.1	1678.7	1623.5	1629.5	1578.0	1574.9	1522.8
67.5°	1147.2	1297.7	1402.0	1541.6	1639.2	1733.3	1767.2	1775.7	1747.8	1718.1	1659.3
70°	692.2	856.6	1010.1	1174.5	1328.6	1497.9	1641.7	1741.2	1827.9	1823.7	1832.2
72.5°	273.6	410.1	512.6	666.7	819.6	1007.1	1166.0	1306.2	1455.4	1547.0	1665.9
75°	108.0	142.6	166.8	253.0	325.8	465.3	605.5	681.3	798.4	878.5	961.0
77.5°	77.7	84.9	86.1	100.1	105.6	146.2	171.1	197.2	222.0	237.8	234.8
80°	60.1	64.9	64.9	71.0	70.4	78.3	76.4	83.7	83.1	89.2	84.9
82.5°	44.9	47.9	47.9	52.8	52.8	57.6	56.4	61.3	59.5	63.7	59.5
85°	29.1	32.2	32.2	34.6	33.4	38.2	37.6	41.3	39.4	41.3	38.2
87.5°	16.4	18.2	18.8	20.6	18.8	22.4	21.8	23.7	21.8	23.7	22.4
90°	9.4	10.6	9.9	11.6	10.3	14.5	12.0	15.1	10.8	16.3	11.5
92.5°	6.8	7.0	7.0	7.0	7.0	7.0	6.8	6.5	6.2	6.0	6.0
95°	7.0	7.0	7.2	7.5	7.8	8.0	7.8	7.5	7.2	7.0	7.0
97.5°	11.2	12.0	11.5	11.0	10.5	10.0	9.8	9.5	9.2	9.0	8.8
100°	27.0	29.0	28.2	27.5	26.8	26.0	25.2	24.5	23.8	23.0	22.0
102.5°	47.5	50.0	49.2	48.5	47.8	47.0	45.8	44.5	43.2	42.0	41.2
105°	69.8	72.0	71.5	71.0	70.5	70.0	68.8	67.5	66.2	65.0	64.0
107.5°	93.2	95.0	94.8	94.5	94.2	94.0	93.0	92.0	91.0	90.0	89.2
110°	118.5	120.0	120.2	120.5	120.8	121.0	120.5	120.0	119.5	119.0	118.2



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CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
112.5°	146.8	148.0	148.5	149.0	149.5	150.0	149.8	149.5	149.2	149.0	148.5
115°	177.8	179.0	179.8	180.5	181.2	182.0	181.2	180.5	179.8	179.0	178.5
117.5°	209.5	211.0	212.0	213.0	214.0	215.0	213.8	212.5	211.2	210.0	209.5
120°	245.2	246.0	247.0	248.0	249.0	250.0	248.8	247.5	246.2	245.0	244.5
122.5°	278.5	279.0	280.0	281.0	282.0	283.0	281.8	280.5	279.2	278.0	277.5
125°	312.2	313.0	313.5	314.0	314.5	315.0	313.8	312.5	311.2	310.0	310.0
127.5°	343.8	345.0	345.2	345.5	345.8	346.0	346.0	346.0	346.0	346.0	345.8
130°	375.8	377.0	378.0	379.0	380.0	381.0	381.0	381.0	381.0	381.0	380.5
132.5°	409.5	411.0	412.2	413.5	414.8	416.0	415.5	415.0	414.5	414.0	414.0
135°	441.5	443.0	444.2	445.5	446.8	448.0	447.8	447.5	447.2	447.0	447.8
137.5°	471.8	473.0	473.5	474.0	474.5	475.0	475.2	475.5	475.8	476.0	477.2
140°	499.2	500.0	500.5	501.0	501.5	502.0	502.5	503.0	503.5	504.0	505.2
142.5°	526.5	527.0	528.5	530.0	531.5	533.0	533.0	533.0	533.0	533.0	533.2
145°	554.8	556.0	557.5	559.0	560.5	562.0	561.8	561.5	561.2	561.0	560.2
147.5°	578.8	580.0	581.2	582.5	583.8	585.0	585.2	585.5	585.8	586.0	585.2
150°	596.0	597.0	597.8	598.5	599.2	600.0	600.8	601.5	602.2	603.0	603.8
152.5°	610.8	611.0	611.8	612.5	613.2	614.0	615.0	616.0	617.0	618.0	619.2
155°	626.5	626.0	627.2	628.5	629.8	631.0	632.2	633.5	634.8	636.0	636.5
157.5°	644.2	644.0	645.0	646.0	647.0	648.0	648.5	649.0	649.5	650.0	650.0
160°	657.2	658.0	659.5	661.0	662.5	664.0	663.2	662.5	661.8	661.0	660.8
162.5°	666.0	667.0	668.0	669.0	670.0	671.0	670.8	670.5	670.2	670.0	669.5
165°	672.2	672.0	673.2	674.5	675.8	677.0	677.8	678.5	679.2	680.0	679.5
167.5°	679.8	678.0	679.5	681.0	682.5	684.0	685.0	686.0	687.0	688.0	688.0
170°	687.2	686.0	686.8	687.5	688.2	689.0	690.2	691.5	692.8	694.0	694.5
172.5°	689.2	689.0	689.8	690.5	691.2	692.0	692.5	693.0	693.5	694.0	694.5
175°	690.0	690.0	691.2	692.5	693.8	695.0	695.2	695.5	695.8	696.0	695.5
177.5°	694.2	694.0	695.2	696.5	697.8	699.0	699.5	700.0	700.5	701.0	700.2
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0



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CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
0°	473.8	473.8	473.8	473.8	473.8
2.5°	473.8	472.6	475.0	471.4	474.4
5°	482.3	476.8	483.5	476.8	482.9
7.5°	493.8	484.7	494.4	484.7	494.4
10°	504.8	489.6	505.4	490.8	506.0
12.5°	521.1	502.9	523.6	503.5	523.6
15°	539.3	518.7	541.8	519.3	543.0
17.5°	553.9	533.9	556.3	533.9	556.9
20°	566.0	550.3	569.1	550.3	570.9
22.5°	580.0	568.5	583.6	568.5	587.3
25°	598.2	590.3	602.4	591.5	604.9
27.5°	619.4	614.0	623.7	615.8	626.1
30°	644.3	642.5	647.3	643.7	649.7
32.5°	672.2	676.4	676.4	676.4	678.9
35°	712.8	716.5	716.5	717.7	718.3
37.5°	751.7	757.7	757.1	759.0	759.0
40°	792.3	800.2	800.2	800.2	801.4
42.5°	837.2	845.7	846.9	843.3	845.7
45°	887.6	890.6	893.6	891.8	896.1
47.5°	941.6	944.6	947.0	944.6	951.3
50°	1005.3	1004.7	1011.3	1004.7	1014.4
52.5°	1072.0	1077.5	1081.7	1075.0	1081.7
55°	1147.2	1145.4	1159.4	1150.3	1159.4
57.5°	1229.7	1229.7	1243.7	1235.2	1245.5
60°	1327.4	1319.5	1338.9	1325.0	1338.9
62.5°	1426.3	1412.3	1434.2	1422.0	1440.2
65°	1540.4	1520.3	1541.0	1525.2	1541.6
67.5°	1655.6	1632.6	1639.2	1631.4	1640.5
70°	1803.6	1800.6	1792.7	1815.8	1795.8
72.5°	1647.1	1682.3	1653.8	1709.0	1671.4
75°	1011.9	1076.8	1112.6	1169.1	1160.0
77.5°	239.6	212.9	234.8	210.5	237.2
80°	88.6	80.7	84.3	73.4	81.9
82.5°	60.7	52.8	51.0	40.6	43.7
85°	38.8	31.5	29.1	24.3	26.7
87.5°	23.1	17.6	16.4	14.0	14.6
90°	14.7	9.9	11.9	8.2	11.2
92.5°	6.0	6.0	6.0	6.0	6.0
95°	7.0	7.0	7.0	7.0	7.0
97.5°	8.5	8.2	8.0	8.0	8.0
100°	21.0	20.0	19.0	19.0	19.0
102.5°	40.5	39.8	39.0	38.5	38.0
105°	63.0	62.0	61.0	61.0	61.0
107.5°	88.5	87.8	87.0	86.5	86.0
110°	117.5	116.8	116.0	116.5	117.0



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CATALOG NUMBER: IST-AF-800-LED-E1-RW-8030-ULG

CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
112.5°	148.0	147.5	147.0	147.0	147.0
115°	178.0	177.5	177.0	177.5	178.0
117.5°	209.0	208.5	208.0	208.5	209.0
120°	244.0	243.5	243.0	243.0	243.0
122.5°	277.0	276.5	276.0	276.5	277.0
125°	310.0	310.0	310.0	310.0	310.0
127.5°	345.5	345.2	345.0	346.0	347.0
130°	380.0	379.5	379.0	379.5	380.0
132.5°	414.0	414.0	414.0	414.5	415.0
135°	448.5	449.2	450.0	450.5	451.0
137.5°	478.5	479.8	481.0	481.5	482.0
140°	506.5	507.8	509.0	510.0	511.0
142.5°	533.5	533.8	534.0	535.0	536.0
145°	559.5	558.8	558.0	559.0	560.0
147.5°	584.5	583.8	583.0	584.0	585.0
150°	604.5	605.2	606.0	608.0	610.0
152.5°	620.5	621.8	623.0	625.5	628.0
155°	637.0	637.5	638.0	639.5	641.0
157.5°	650.0	650.0	650.0	652.5	655.0
160°	660.5	660.2	660.0	663.0	666.0
162.5°	669.0	668.5	668.0	671.0	674.0
165°	679.0	678.5	678.0	680.0	682.0
167.5°	688.0	688.0	688.0	691.0	694.0
170°	695.0	695.5	696.0	698.5	701.0
172.5°	695.0	695.5	696.0	698.5	701.0
175°	695.0	694.5	694.0	696.5	699.0
177.5°	699.5	698.8	698.0	700.0	702.0
180°	700.0	700.0	700.0	700.0	700.0

(END OF REPORT)