

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: P227469

Luminaire Tested: **IST-AF-800-LED-E1-RW-7030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227469
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-7030-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, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6210.6 lumens
Efficiency: N/A
Efficacy: 103.2 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

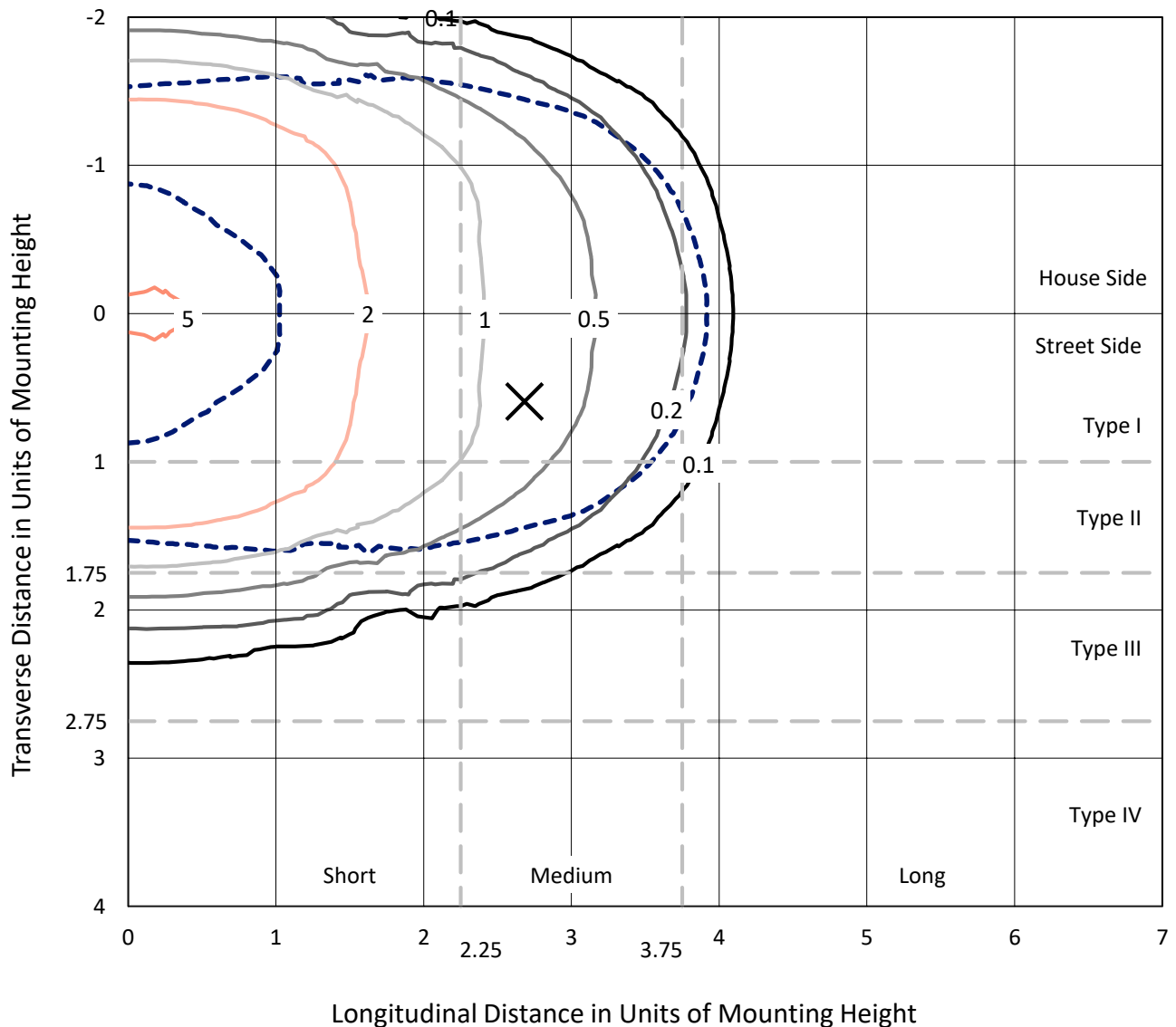


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

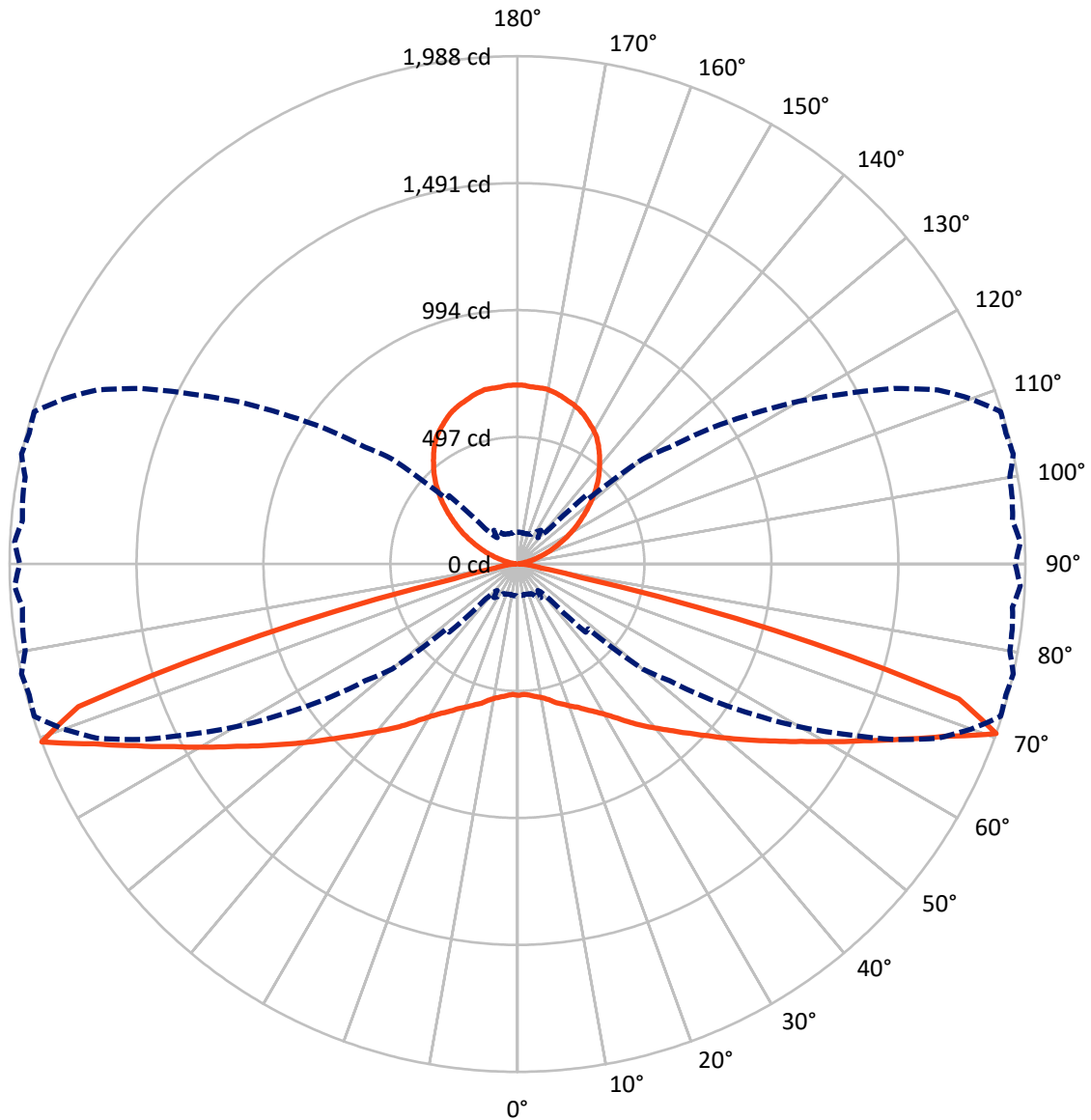


Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type II - Medium - Non-Cutoff

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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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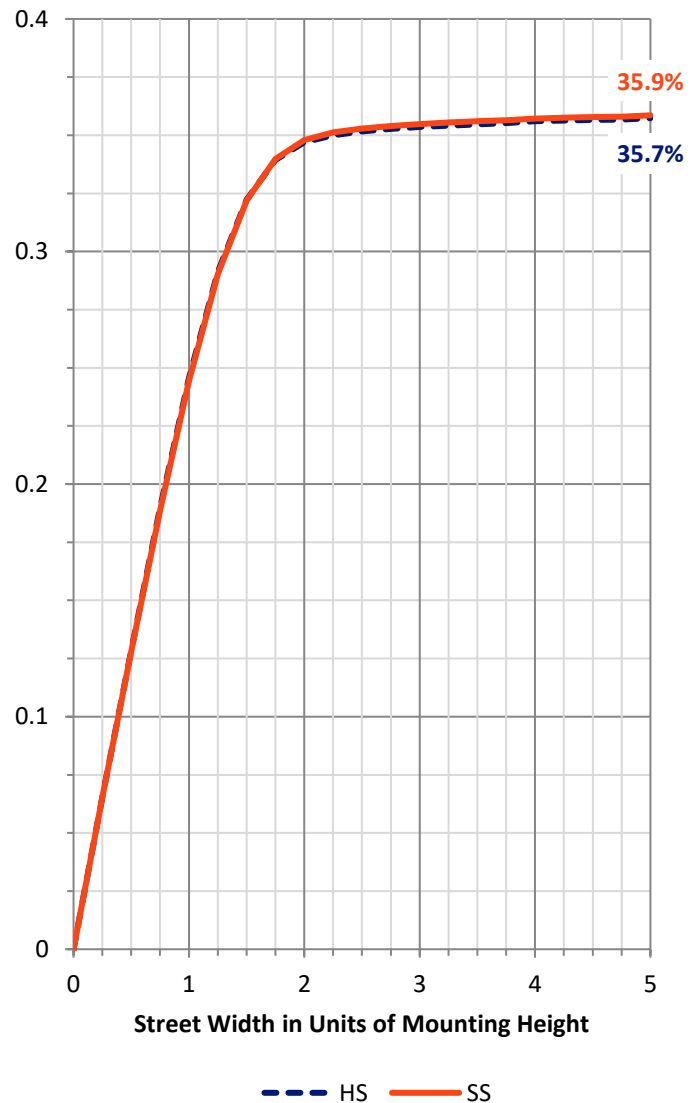
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2237.4	867.9	3105.3
	% Fixture	36.0	14.0	50.0
Street Side	Lumens	2237.4	867.9	3105.3
	% Fixture	36.0	14.0	50.0
Total	Lumens	4474.7	1735.8	6210.6
	% Fixture	72.1	27.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	0.8
10°-20°	155.4	2.5
20°-30°	291.6	4.7
30°-40°	509.6	8.2
40°-50°	830.7	13.4
50°-60°	1136.8	18.3
60°-70°	1045.7	16.8
70°-80°	408.8	6.6
80°-90°	46.5	0.7
90°-100°	10.0	0.2
100°-110°	57.4	0.9
110°-120°	166.1	2.7
120°-130°	273.2	4.4
130°-140°	336.8	5.4
140°-150°	344.6	5.5
150°-160°	290.3	4.7
160°-170°	191.2	3.1
170°-180°	66.3	1.1
0°-90°	4474.7	72.1
0°-180°	6210.6	100.0



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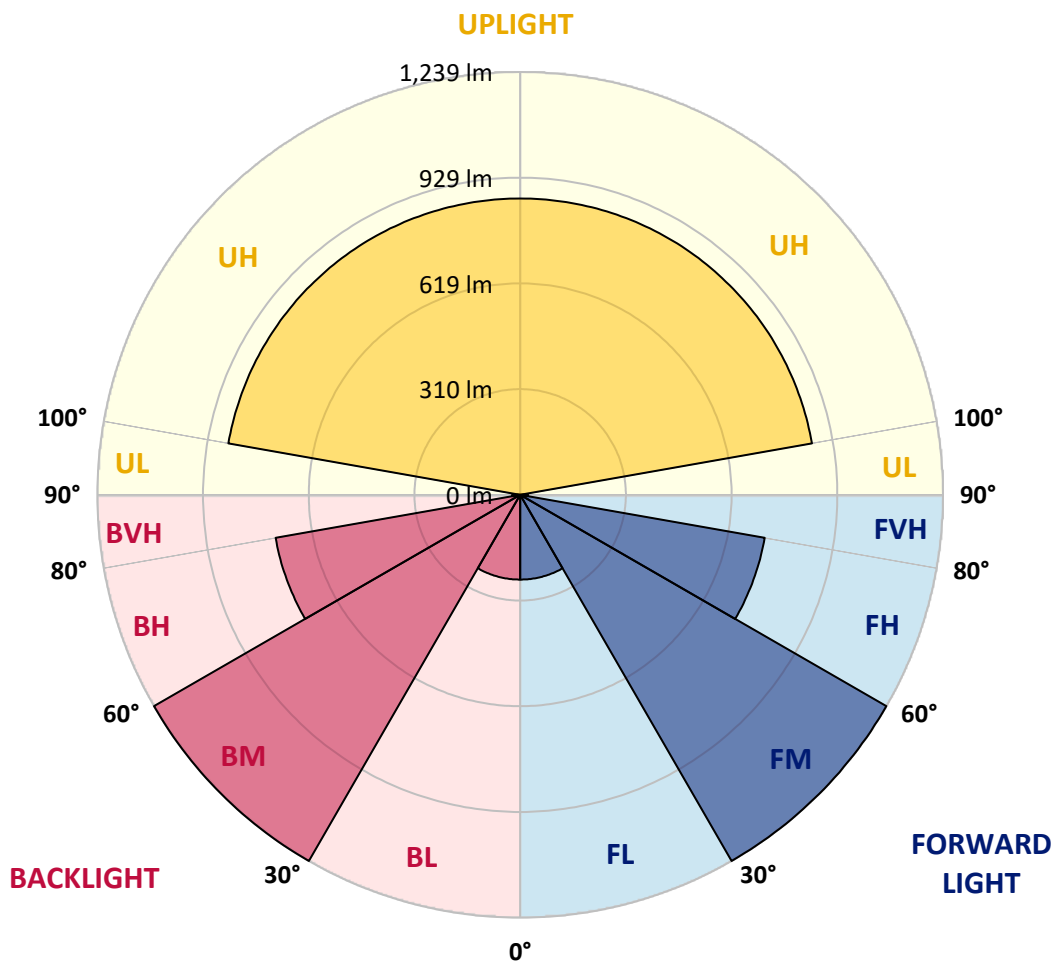
CATALOG NUMBER: IST-AF-800-LED-E1-RW-7030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	248.3	4.0			
FM (30°-60°)	1238.5	19.9			
FH (60°-80°)	727.2	11.7			G1/1800
FVH (80°-90°)	23.3	0.4			G1/100
BL (0°-30°)	248.3	4.0	B1/500		
BM (30°-60°)	1238.5	19.9	B2/2500		
BH (60°-80°)	727.2	11.7	B2/1000		G2/1000
BVH (80°-90°)	23.3	0.4			G1/100
UL (90°-100°)	10.0	0.2		U1/10	
UH (100°-180°)	867.9	14.0		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°	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0
2.5°	512.0	511.4	511.4	512.0	513.3	514.0	512.7	513.3	513.3	512.7	514.7
5°	513.3	512.7	513.3	514.7	516.6	518.6	517.9	517.9	518.6	517.3	520.6
7.5°	512.0	511.4	512.7	516.0	520.6	523.2	523.2	523.2	524.5	523.9	527.8
10°	506.1	505.4	508.7	514.7	523.2	525.2	527.2	527.8	531.8	531.8	535.7
12.5°	500.8	501.5	506.1	515.3	529.1	529.8	532.4	535.1	540.3	537.7	544.9
15°	502.8	504.1	510.0	521.2	539.7	539.0	541.0	543.6	552.2	546.2	558.1
17.5°	512.7	514.7	521.2	534.4	553.5	550.2	552.8	556.8	568.0	560.7	574.5
20°	528.5	531.1	538.3	552.8	570.6	567.3	569.9	574.5	587.7	580.5	594.3
22.5°	549.5	552.2	560.1	576.5	595.6	591.7	594.3	598.2	612.7	601.5	618.6
25°	577.8	580.5	589.0	606.1	627.9	623.2	624.6	627.2	642.3	629.2	645.6
27.5°	617.3	620.0	627.2	643.6	664.7	660.8	662.1	664.7	680.5	667.3	681.8
30°	667.3	670.0	676.6	693.0	710.8	706.2	708.1	710.1	724.6	711.4	723.3
32.5°	726.6	725.9	735.8	752.9	768.7	760.1	760.1	760.1	774.0	760.8	770.0
35°	796.3	796.3	806.2	822.7	837.1	827.3	822.7	820.0	835.2	818.7	825.3
37.5°	872.7	869.4	884.5	899.7	913.5	901.0	897.0	893.7	904.9	886.5	889.8
40°	953.6	951.0	967.4	984.6	993.8	977.3	974.0	970.1	981.9	964.2	963.5
42.5°	1027.3	1025.4	1046.4	1066.2	1077.3	1056.3	1051.7	1047.7	1060.9	1043.1	1039.2
45°	1089.9	1089.2	1113.5	1140.5	1160.3	1137.9	1134.6	1128.0	1141.2	1119.5	1117.5
47.5°	1138.6	1135.9	1165.5	1205.0	1236.6	1213.6	1212.9	1208.3	1222.1	1198.4	1195.8
50°	1171.5	1173.4	1205.7	1251.8	1303.1	1281.4	1283.3	1281.4	1301.8	1278.1	1281.4
52.5°	1177.4	1181.3	1222.8	1283.3	1355.1	1328.8	1343.9	1349.8	1375.5	1355.1	1361.7
55°	1107.0	1118.2	1181.3	1286.6	1387.3	1370.9	1390.0	1407.1	1443.3	1426.2	1438.0
57.5°	949.7	972.7	1045.8	1198.4	1383.4	1392.6	1431.4	1457.7	1501.8	1486.7	1514.3
60°	733.8	749.6	830.6	1008.9	1257.0	1269.5	1339.9	1423.5	1524.9	1545.9	1589.4
62.5°	480.4	489.6	568.6	749.6	1039.2	1043.1	1130.7	1239.2	1415.0	1461.0	1582.8
65°	238.2	250.7	292.9	431.7	727.9	722.6	818.7	945.7	1173.4	1224.1	1422.2
67.5°	148.7	150.7	159.3	200.1	364.6	323.8	402.8	535.7	811.5	856.9	1108.3
70°	125.0	124.4	122.4	128.3	160.6	130.3	144.1	188.2	377.8	375.8	639.0
72.5°	115.2	113.2	107.9	107.3	111.9	102.7	104.0	106.6	151.4	127.0	246.1
75°	106.0	102.0	95.4	93.5	93.5	86.2	86.2	86.9	98.1	92.1	111.9
77.5°	94.8	90.2	83.6	80.9	78.3	70.4	69.8	70.4	79.0	73.7	83.6
80°	81.6	77.0	72.4	68.4	64.5	57.3	55.3	55.3	62.5	57.3	65.2
82.5°	71.1	65.2	63.8	57.3	51.3	44.8	42.8	39.5	46.1	40.1	48.7
85°	52.6	48.0	60.5	50.7	40.8	36.2	29.0	24.4	29.0	23.7	30.9
87.5°	30.3	28.3	53.3	40.1	36.2	38.8	23.7	17.1	16.5	14.5	17.1
90°	10.9	11.6	15.6	13.9	15.9	11.6	9.5	9.2	10.9	9.6	11.6
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°	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0
2.5°	512.7	514.7	512.0	514.7	510.0	514.0	510.7	514.7	511.4	514.7	510.7
5°	516.0	521.2	515.3	522.6	514.0	522.6	515.3	523.2	516.6	523.2	516.0
7.5°	521.2	530.4	522.6	531.8	521.2	533.1	523.2	534.4	524.5	535.1	523.9
10°	527.8	539.7	529.1	541.0	528.5	542.3	529.8	544.3	531.1	545.6	531.8
12.5°	533.7	548.9	537.0	552.8	539.0	555.5	541.0	559.4	543.6	562.7	544.9
15°	544.9	564.7	549.5	568.6	552.8	571.9	556.1	577.2	559.4	581.1	562.7
17.5°	559.4	581.1	565.3	584.4	567.3	588.4	571.3	592.3	574.5	596.9	576.5
20°	579.1	600.9	584.4	602.8	586.4	605.5	588.4	607.4	592.3	611.4	593.6
22.5°	601.5	621.9	604.2	622.6	604.2	621.9	605.5	622.6	607.4	625.2	609.4
25°	628.5	647.6	629.8	645.6	627.2	643.0	627.2	643.0	629.2	644.3	632.5
27.5°	666.0	680.5	662.1	675.9	656.1	670.0	653.5	667.3	654.2	667.3	655.5
30°	708.1	721.3	700.2	711.4	689.7	700.2	682.5	694.3	680.5	693.0	683.8
32.5°	754.2	764.7	743.7	752.9	730.5	739.7	720.6	728.5	716.7	724.6	718.7
35°	805.5	816.1	794.4	802.9	780.5	788.4	769.3	773.3	761.4	766.7	761.4
37.5°	866.7	876.0	851.0	858.9	834.5	844.4	821.3	825.3	810.8	814.1	803.6
40°	932.6	942.4	912.8	920.7	890.4	901.6	876.0	878.6	858.9	862.1	845.7
42.5°	1003.6	1012.9	976.0	982.6	947.0	958.9	928.6	933.9	910.2	913.5	892.4
45°	1082.0	1087.2	1046.4	1051.0	1008.2	1020.1	981.9	991.8	963.5	970.1	945.7
47.5°	1155.0	1165.5	1120.8	1124.7	1078.7	1085.9	1041.8	1055.0	1024.7	1034.6	1005.0
50°	1238.6	1246.5	1203.7	1204.4	1159.6	1162.2	1112.9	1126.1	1093.1	1103.7	1072.1
52.5°	1324.1	1329.4	1283.3	1287.9	1243.9	1248.5	1199.1	1204.4	1166.2	1175.4	1144.5
55°	1407.1	1408.4	1370.2	1368.9	1327.4	1336.0	1281.4	1293.2	1247.8	1257.7	1222.8
57.5°	1490.0	1494.6	1459.1	1460.4	1418.9	1424.8	1375.5	1384.0	1341.3	1353.1	1309.7
60°	1577.5	1592.0	1557.1	1561.7	1522.2	1534.1	1474.2	1485.4	1438.7	1457.7	1411.0
62.5°	1633.5	1687.4	1680.8	1688.1	1650.6	1656.5	1594.6	1612.4	1556.5	1570.3	1522.2
65°	1526.8	1659.1	1726.3	1800.0	1801.9	1821.0	1761.1	1767.7	1711.8	1708.5	1651.9
67.5°	1244.5	1407.7	1520.9	1672.3	1778.3	1880.3	1917.1	1926.3	1896.1	1863.8	1800.0
70°	750.9	929.3	1095.8	1274.1	1441.3	1624.9	1780.9	1888.8	1982.9	1978.3	1987.5
72.5°	296.8	444.9	556.1	723.3	889.1	1092.5	1264.9	1416.9	1578.8	1678.2	1807.2
75°	117.1	154.7	181.0	274.4	353.4	504.8	656.8	739.1	866.1	953.0	1042.5
77.5°	84.2	92.1	93.5	108.6	114.5	158.6	185.6	213.9	240.9	258.0	254.7
80°	65.2	70.4	70.4	77.0	76.3	84.9	82.9	90.8	90.2	96.7	92.1
82.5°	48.7	52.0	52.0	57.3	57.3	62.5	61.2	66.5	64.5	69.1	64.5
85°	31.6	34.9	34.9	37.5	36.2	41.5	40.8	44.8	42.8	44.8	41.5
87.5°	17.8	19.7	20.4	22.4	20.4	24.4	23.7	25.7	23.7	25.7	24.4
90°	9.6	10.9	10.1	11.9	10.5	14.9	12.3	15.6	11.0	16.9	11.8
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°	514.0	514.0	514.0	514.0	514.0
2.5°	514.0	512.7	515.3	511.4	514.7
5°	523.2	517.3	524.5	517.3	523.9
7.5°	535.7	525.8	536.4	525.8	536.4
10°	547.6	531.1	548.2	532.4	548.9
12.5°	565.3	545.6	568.0	546.2	568.0
15°	585.1	562.7	587.7	563.4	589.0
17.5°	600.9	579.1	603.5	579.1	604.2
20°	614.0	596.9	617.3	596.9	619.3
22.5°	629.2	616.7	633.1	616.7	637.1
25°	648.9	640.4	653.5	641.7	656.1
27.5°	671.9	666.0	676.6	668.0	679.2
30°	698.9	697.0	702.2	698.3	704.9
32.5°	729.2	733.8	733.8	733.8	736.4
35°	773.3	777.2	777.2	778.6	779.2
37.5°	815.4	822.0	821.3	823.3	823.3
40°	859.5	868.1	868.1	868.1	869.4
42.5°	908.2	917.4	918.7	914.8	917.4
45°	962.8	966.1	969.4	967.4	972.0
47.5°	1021.4	1024.7	1027.3	1024.7	1031.9
50°	1090.5	1089.9	1097.1	1089.9	1100.4
52.5°	1162.9	1168.8	1173.4	1166.2	1173.4
55°	1244.5	1242.5	1257.7	1247.8	1257.7
57.5°	1334.0	1334.0	1349.2	1339.9	1351.1
60°	1440.0	1431.4	1452.5	1437.3	1452.5
62.5°	1547.3	1532.1	1555.8	1542.6	1562.4
65°	1671.0	1649.3	1671.6	1654.5	1672.3
67.5°	1796.0	1771.0	1778.3	1769.7	1779.6
70°	1956.6	1953.3	1944.8	1969.8	1948.0
72.5°	1786.8	1825.0	1794.0	1853.9	1813.1
75°	1097.8	1168.2	1207.0	1268.2	1258.3
77.5°	260.0	231.0	254.7	228.4	257.3
80°	96.1	87.5	91.5	79.6	88.8
82.5°	65.8	57.3	55.3	44.1	47.4
85°	42.1	34.2	31.6	26.3	29.0
87.5°	25.0	19.1	17.8	15.1	15.8
90°	15.2	10.1	12.3	8.3	11.6
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-7030-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)