

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: P227491

Luminaire Tested: **IST-AF-1000-LED-E1-RW-8030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227491
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-1000-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: 6611.5 lumens
Efficiency: N/A
Efficacy: 92.7 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): 71.3
Input Voltage (V): 120
Input Current (A_{in}): 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

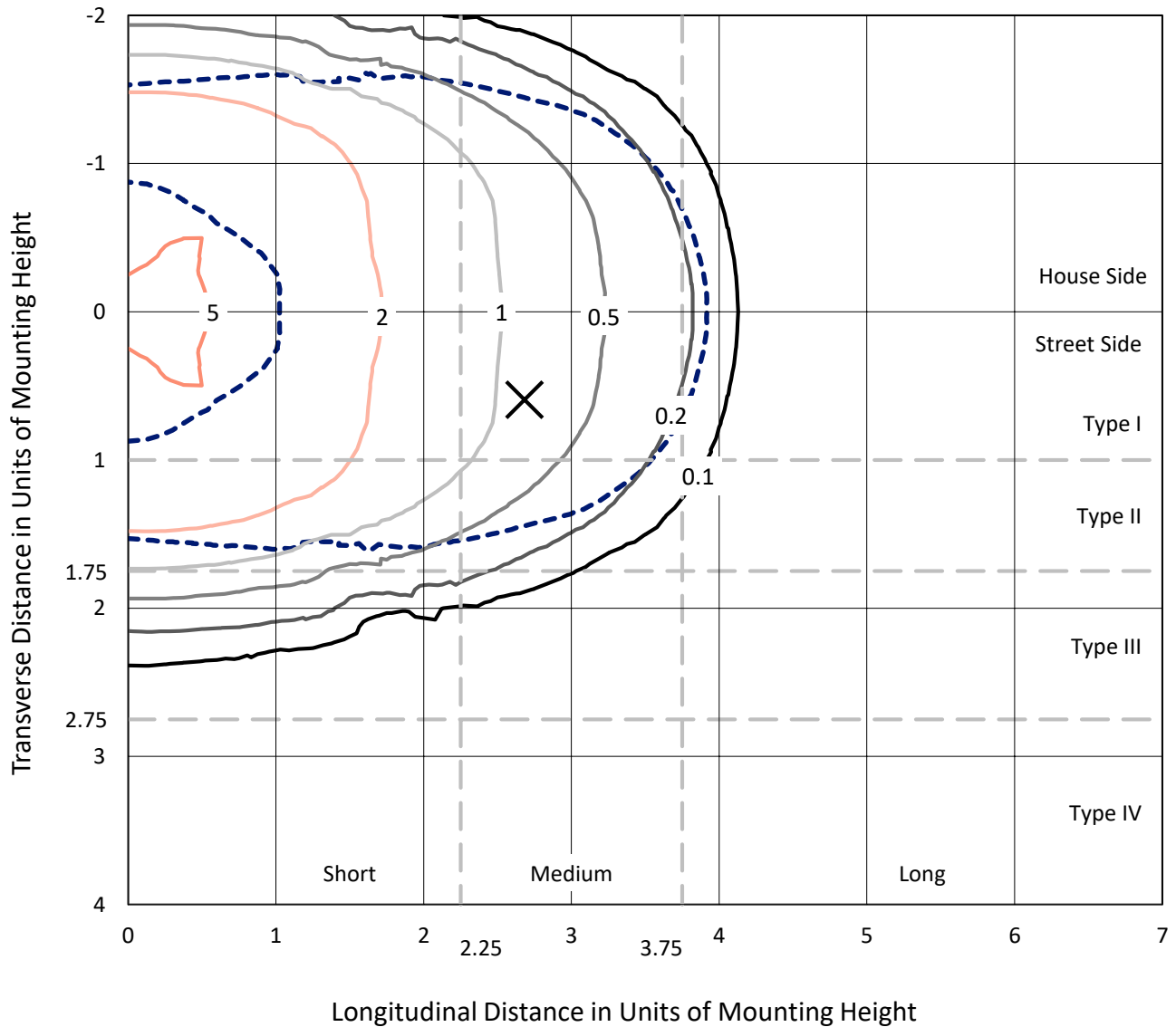


REPORT NUMBER: P227491

CATALOG NUMBER: IST-AF-1000-LED-E1-RW-8030-ULG

Iso-Footcandle Lines of Horizontal Illumination

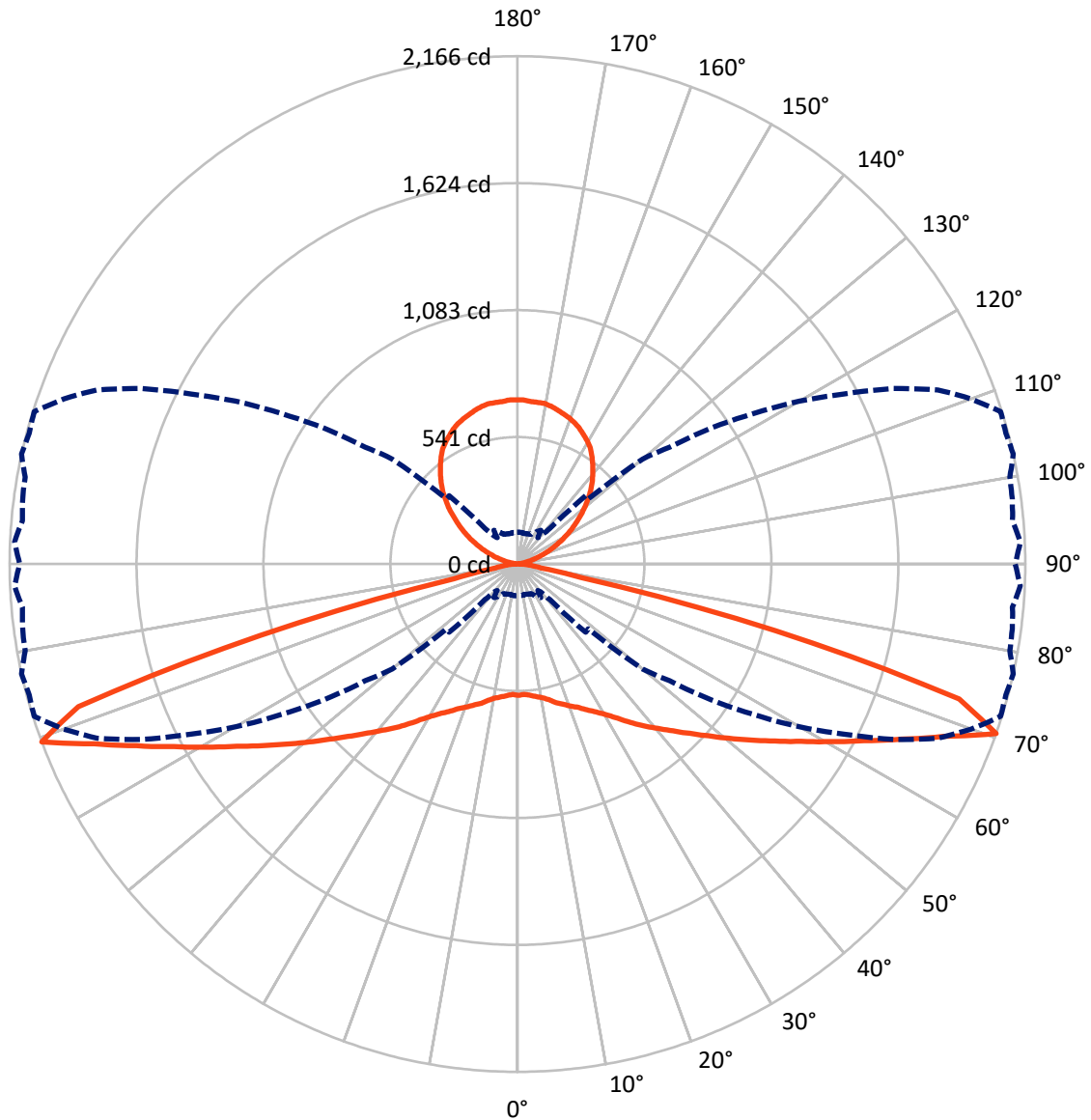
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P227491
CATALOG NUMBER: IST-AF-1000-LED-E1-RW-8030-ULG

Luminous Intensity Polar Plot



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

REPORT NUMBER: P227491

CATALOG NUMBER: IST-AF-1000-LED-E1-RW-8030-ULG

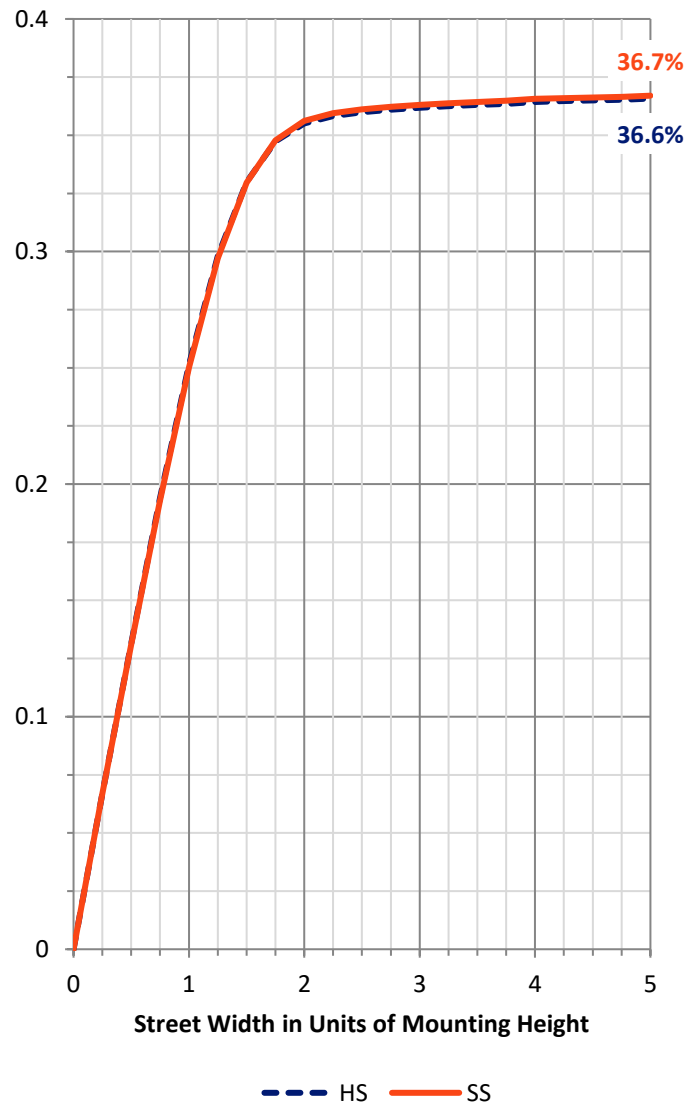
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2437.8	868.0	3305.8
	% Fixture	36.9	13.1	50.0
Street Side	Lumens	2437.8	868.0	3305.8
	% Fixture	36.9	13.1	50.0
Total	Lumens	4875.6	1735.9	6611.5
	% Fixture	73.7	26.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	0.8
10°-20°	169.3	2.6
20°-30°	317.7	4.8
30°-40°	555.3	8.4
40°-50°	905.1	13.7
50°-60°	1238.7	18.7
60°-70°	1139.4	17.2
70°-80°	445.4	6.7
80°-90°	50.6	0.8
90°-100°	10.0	0.2
100°-110°	57.4	0.9
110°-120°	166.1	2.5
120°-130°	273.2	4.1
130°-140°	336.8	5.1
140°-150°	344.6	5.2
150°-160°	290.3	4.4
160°-170°	191.2	2.9
170°-180°	66.3	1.0
0°-90°	4875.6	73.7
0°-180°	6611.5	100.0



REPORT NUMBER: P227491

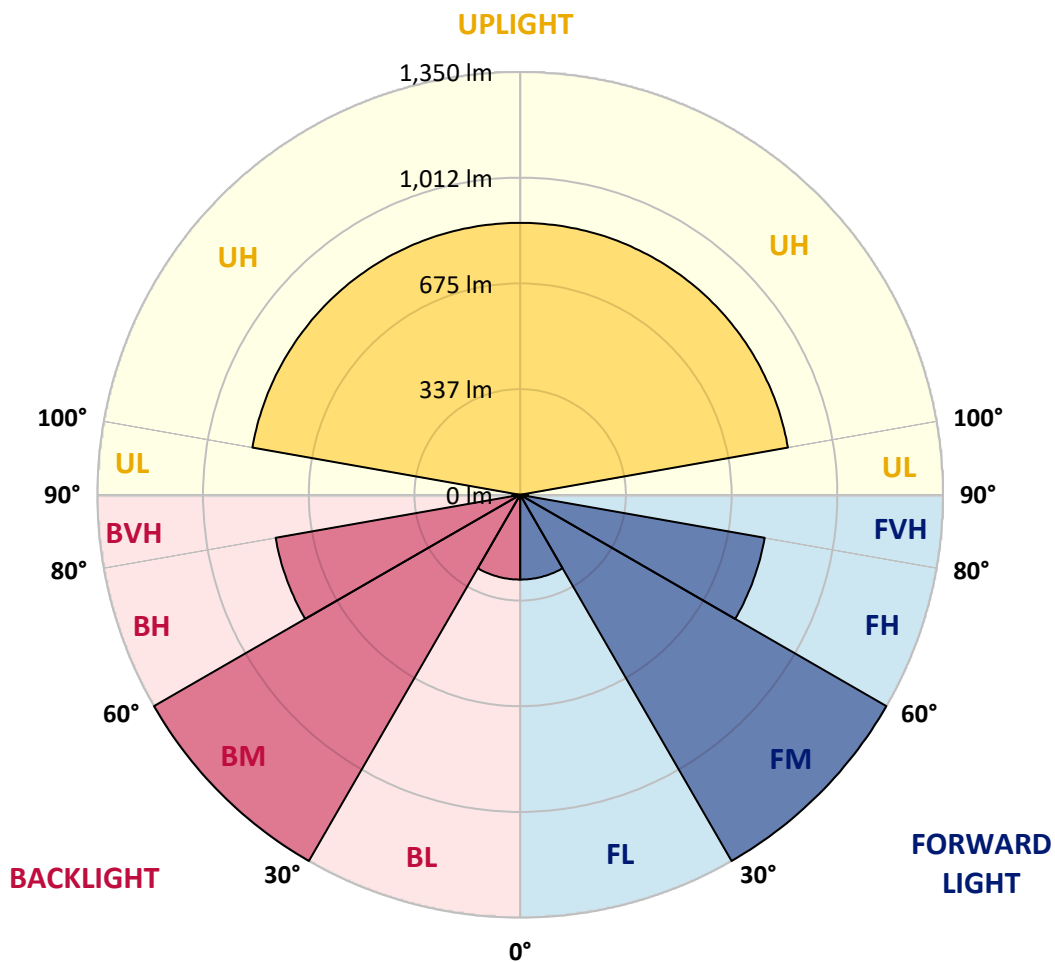
CATALOG NUMBER: IST-AF-1000-LED-E1-RW-8030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	270.6	4.1			
FM	(30°-60°)	1349.5	20.4			
FH	(60°-80°)	792.4	12.0			G1/1800
FVH	(80°-90°)	25.3	0.4			G1/100
BL	(0°-30°)	270.6	4.1	B1/500		
BM	(30°-60°)	1349.5	20.4	B2/2500		
BH	(60°-80°)	792.4	12.0	B2/1000		G2/1000
BVH	(80°-90°)	25.3	0.4			G1/100
UL	(90°-100°)	10.0	0.2		U2/50	
UH	(100°-180°)	868.0	13.1		U4/1000	

BUG Rating: B2-U5-G2

Type II Medium





REPORT NUMBER: P227491

CATALOG NUMBER: IST-AF-1000-LED-E1-RW-8030-ULG

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0°	560.1	560.1	560.1	560.1	560.1	560.1	560.1	560.1	560.1	560.1	560.1
2.5°	557.9	557.2	557.2	557.9	559.3	560.1	558.6	559.3	559.3	558.6	560.8
5°	559.3	558.6	559.3	560.8	562.9	565.1	564.4	564.4	565.1	563.6	567.2
7.5°	557.9	557.2	558.6	562.2	567.2	570.1	570.1	570.1	571.5	570.8	575.1
10°	551.4	550.7	554.3	560.8	570.1	572.2	574.4	575.1	579.4	579.4	583.7
12.5°	545.7	546.4	551.4	561.5	576.5	577.3	580.1	583.0	588.7	585.9	593.8
15°	547.9	549.3	555.8	567.9	588.0	587.3	589.5	592.3	601.6	595.2	608.1
17.5°	558.6	560.8	567.9	582.3	603.1	599.5	602.4	606.7	618.9	611.0	626.0
20°	575.8	578.7	586.6	602.4	621.7	618.1	621.0	626.0	640.4	632.5	647.5
22.5°	598.8	601.6	610.3	628.2	649.0	644.7	647.5	651.8	667.6	655.4	674.1
25°	629.6	632.5	641.8	660.4	684.1	679.1	680.5	683.4	699.9	685.5	703.5
27.5°	672.6	675.5	683.4	701.3	724.3	720.0	721.4	724.3	741.5	727.1	742.9
30°	727.1	730.0	737.2	755.1	774.5	769.4	771.6	773.7	789.5	775.2	788.1
32.5°	791.7	791.0	801.7	820.4	837.6	828.2	828.2	828.2	843.3	829.0	839.0
35°	867.7	867.7	878.4	896.4	912.1	901.4	896.4	893.5	910.0	892.1	899.2
37.5°	950.9	947.3	963.8	980.3	995.3	981.7	977.4	973.8	986.0	965.9	969.5
40°	1039.1	1036.2	1054.1	1072.8	1082.8	1064.9	1061.3	1057.0	1069.9	1050.5	1049.8
42.5°	1119.4	1117.2	1140.2	1161.7	1173.9	1150.9	1145.9	1141.6	1156.0	1136.6	1132.3
45°	1187.5	1186.8	1213.3	1242.7	1264.2	1239.9	1236.3	1229.1	1243.4	1219.8	1217.6
47.5°	1240.6	1237.7	1270.0	1313.0	1347.4	1322.3	1321.6	1316.6	1331.7	1305.8	1303.0
50°	1276.4	1278.6	1313.7	1363.9	1419.9	1396.2	1398.3	1396.2	1418.4	1392.6	1396.2
52.5°	1282.9	1287.2	1332.4	1398.3	1476.5	1447.8	1464.3	1470.8	1498.7	1476.5	1483.7
55°	1206.2	1218.4	1287.2	1401.9	1511.6	1493.7	1514.5	1533.2	1572.6	1554.0	1566.9
57.5°	1034.8	1059.9	1139.5	1305.8	1507.3	1517.4	1559.7	1588.4	1636.4	1619.9	1650.0
60°	799.6	816.8	905.0	1099.3	1369.7	1383.3	1460.0	1551.1	1661.5	1684.5	1731.8
62.5°	523.5	533.5	619.6	816.8	1132.3	1136.6	1232.0	1350.3	1541.8	1592.0	1724.6
65°	259.6	273.2	319.1	470.4	793.1	787.4	892.1	1030.5	1278.6	1333.8	1549.7
67.5°	162.1	164.2	173.5	218.0	397.3	352.8	438.9	583.7	884.2	933.7	1207.6
70°	136.2	135.5	133.4	139.8	175.0	142.0	157.0	205.1	411.6	409.5	696.3
72.5°	125.5	123.3	117.6	116.9	121.9	111.9	113.3	116.2	164.9	138.4	268.2
75°	115.5	111.2	104.0	101.8	101.8	93.9	93.9	94.7	106.8	100.4	121.9
77.5°	103.3	98.2	91.1	88.2	85.3	76.7	76.0	76.7	86.1	80.3	91.1
80°	88.9	83.9	78.9	74.6	70.3	62.4	60.2	60.2	68.1	62.4	71.0
82.5°	77.4	71.0	69.6	62.4	55.9	48.8	46.6	43.0	50.2	43.7	53.1
85°	57.4	52.3	66.0	55.2	44.5	39.4	31.6	26.5	31.6	25.8	33.7
87.5°	33.0	30.8	58.1	43.7	39.4	42.3	25.8	18.6	17.9	15.8	18.6
90°	11.5	12.2	16.3	14.5	16.6	12.0	9.7	9.4	11.3	9.9	12.0
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



REPORT NUMBER: P227491

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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



REPORT NUMBER: P227491

CATALOG NUMBER: IST-AF-1000-LED-E1-RW-8030-ULG

CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0°	560.1	560.1	560.1	560.1	560.1	560.1	560.1	560.1	560.1	560.1	560.1
2.5°	558.6	560.8	557.9	560.8	555.8	560.1	556.5	560.8	557.2	560.8	556.5
5°	562.2	567.9	561.5	569.4	560.1	569.4	561.5	570.1	562.9	570.1	562.2
7.5°	567.9	578.0	569.4	579.4	567.9	580.9	570.1	582.3	571.5	583.0	570.8
10°	575.1	588.0	576.5	589.5	575.8	590.9	577.3	593.0	578.7	594.5	579.4
12.5°	581.6	598.1	585.2	602.4	587.3	605.2	589.5	609.5	592.3	613.1	593.8
15°	593.8	615.3	598.8	619.6	602.4	623.2	605.9	628.9	609.5	633.2	613.1
17.5°	609.5	633.2	616.0	636.8	618.1	641.1	622.4	645.4	626.0	650.4	628.2
20°	631.0	654.7	636.8	656.9	638.9	659.7	641.1	661.9	645.4	666.2	646.8
22.5°	655.4	677.7	658.3	678.4	658.3	677.7	659.7	678.4	661.9	681.2	664.0
25°	684.8	705.6	686.3	703.5	683.4	700.6	683.4	700.6	685.5	702.0	689.1
27.5°	725.7	741.5	721.4	736.5	714.9	730.0	712.1	727.1	712.8	727.1	714.2
30°	771.6	785.9	763.0	775.2	751.5	763.0	743.6	756.5	741.5	755.1	745.1
32.5°	821.8	833.3	810.3	820.4	796.0	806.0	785.2	793.8	780.9	789.5	783.1
35°	877.7	889.2	865.5	874.9	850.5	859.1	838.3	842.6	829.7	835.4	829.7
37.5°	944.4	954.5	927.2	935.8	909.3	920.0	894.9	899.2	883.5	887.1	875.6
40°	1016.1	1026.9	994.6	1003.2	970.2	982.4	954.5	957.3	935.8	939.4	921.5
42.5°	1093.6	1103.6	1063.5	1070.6	1031.9	1044.8	1011.8	1017.6	991.7	995.3	972.4
45°	1178.9	1184.6	1140.2	1145.2	1098.6	1111.5	1069.9	1080.7	1049.8	1057.0	1030.5
47.5°	1258.5	1270.0	1221.2	1225.5	1175.3	1183.2	1135.2	1149.5	1116.5	1127.3	1095.0
50°	1349.6	1358.2	1311.6	1312.3	1263.5	1266.4	1212.6	1227.0	1191.1	1202.6	1168.2
52.5°	1442.8	1448.5	1398.3	1403.4	1355.3	1360.3	1306.6	1312.3	1270.7	1280.7	1247.0
55°	1533.2	1534.6	1493.0	1491.6	1446.4	1455.7	1396.2	1409.1	1359.6	1370.4	1332.4
57.5°	1623.5	1628.5	1589.8	1591.2	1546.1	1552.5	1498.7	1508.1	1461.4	1474.4	1427.0
60°	1718.9	1734.7	1696.7	1701.7	1658.6	1671.6	1606.3	1618.5	1567.6	1588.4	1537.5
62.5°	1779.8	1838.6	1831.5	1839.4	1798.5	1804.9	1737.5	1756.9	1695.9	1711.0	1658.6
65°	1663.7	1807.8	1881.0	1961.3	1963.4	1984.2	1919.0	1926.1	1865.2	1861.6	1799.9
67.5°	1356.0	1533.9	1657.2	1822.1	1937.6	2048.8	2088.9	2098.9	2066.0	2030.8	1961.3
70°	818.2	1012.5	1194.0	1388.3	1570.4	1770.5	1940.5	2058.1	2160.6	2155.6	2165.6
72.5°	323.4	484.8	605.9	788.1	968.8	1190.4	1378.3	1543.9	1720.3	1828.6	1969.2
75°	127.6	168.5	197.2	299.0	385.1	550.0	715.7	805.3	943.7	1038.4	1135.9
77.5°	91.8	100.4	101.8	118.3	124.8	172.8	202.2	233.1	262.5	281.1	277.5
80°	71.0	76.7	76.7	83.9	83.2	92.5	90.4	99.0	98.2	105.4	100.4
82.5°	53.1	56.7	56.7	62.4	62.4	68.1	66.7	72.4	70.3	75.3	70.3
85°	34.4	38.0	38.0	40.9	39.4	45.2	44.5	48.8	46.6	48.8	45.2
87.5°	19.4	21.5	22.2	24.4	22.2	26.5	25.8	28.0	25.8	28.0	26.5
90°	9.9	11.3	10.4	12.3	10.7	15.5	12.6	16.2	11.2	17.6	12.1
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



REPORT NUMBER: P227491

CATALOG NUMBER: IST-AF-1000-LED-E1-RW-8030-ULG

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



REPORT NUMBER: P227491

CATALOG NUMBER: IST-AF-1000-LED-E1-RW-8030-ULG

CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
0°	560.1	560.1	560.1	560.1	560.1
2.5°	560.1	558.6	561.5	557.2	560.8
5°	570.1	563.6	571.5	563.6	570.8
7.5°	583.7	573.0	584.4	573.0	584.4
10°	596.6	578.7	597.3	580.1	598.1
12.5°	616.0	594.5	618.9	595.2	618.9
15°	637.5	613.1	640.4	613.8	641.8
17.5°	654.7	631.0	657.6	631.0	658.3
20°	669.1	650.4	672.6	650.4	674.8
22.5°	685.5	671.9	689.8	671.9	694.2
25°	707.1	697.7	712.1	699.2	714.9
27.5°	732.2	725.7	737.2	727.9	740.0
30°	761.6	759.4	765.1	760.8	768.0
32.5°	794.5	799.6	799.6	799.6	802.4
35°	842.6	846.9	846.9	848.3	849.0
37.5°	888.5	895.7	894.9	897.1	897.1
40°	936.5	945.9	945.9	945.9	947.3
42.5°	989.6	999.6	1001.1	996.8	999.6
45°	1049.1	1052.7	1056.3	1054.1	1059.2
47.5°	1112.9	1116.5	1119.4	1116.5	1124.4
50°	1188.2	1187.5	1195.4	1187.5	1199.0
52.5°	1267.1	1273.6	1278.6	1270.7	1278.6
55°	1356.0	1353.9	1370.4	1359.6	1370.4
57.5°	1453.6	1453.6	1470.1	1460.0	1472.2
60°	1569.0	1559.7	1582.6	1566.1	1582.6
62.5°	1685.9	1669.4	1695.2	1680.9	1702.4
65°	1820.7	1797.0	1821.4	1802.8	1822.1
67.5°	1957.0	1929.7	1937.6	1928.3	1939.0
70°	2131.9	2128.3	2119.0	2146.3	2122.6
72.5°	1946.9	1988.5	1954.8	2020.1	1975.6
75°	1196.1	1272.9	1315.2	1381.8	1371.1
77.5°	283.3	251.7	277.5	248.8	280.4
80°	104.7	95.4	99.7	86.8	96.8
82.5°	71.7	62.4	60.2	48.0	51.6
85°	45.9	37.3	34.4	28.7	31.6
87.5°	27.2	20.8	19.4	16.5	17.2
90°	15.9	10.4	12.7	8.4	12.0
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



REPORT NUMBER: P227491

CATALOG NUMBER: IST-AF-1000-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)