

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: P227486

Luminaire Tested: **IST-AF-1200-LED-E1-RW-8030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227486
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-1200-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: 7284.2 lumens
Efficiency: N/A
Efficacy: 88.1 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): 82.7
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

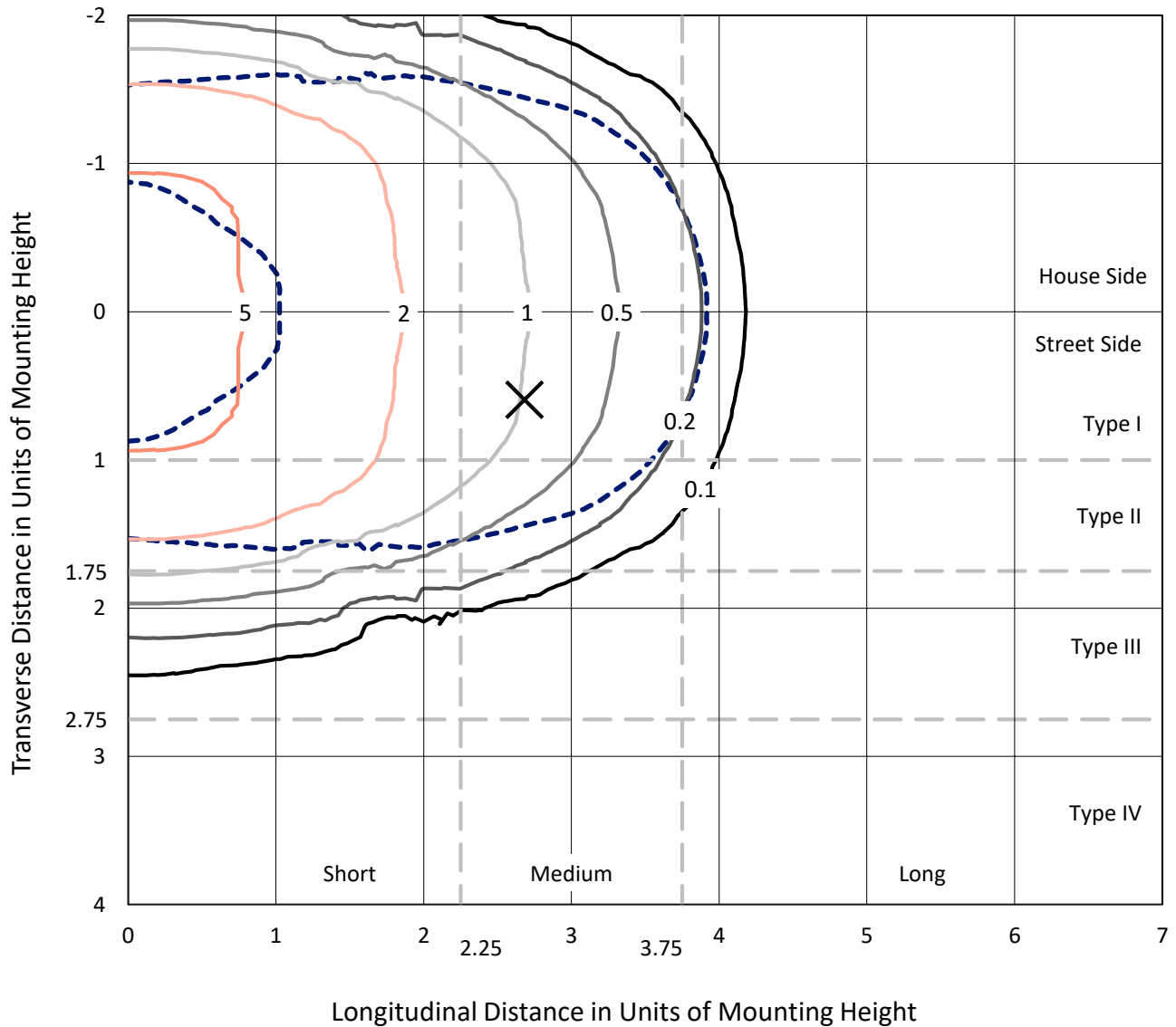


REPORT NUMBER: P227486

CATALOG NUMBER: IST-AF-1200-LED-E1-RW-8030-ULG

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

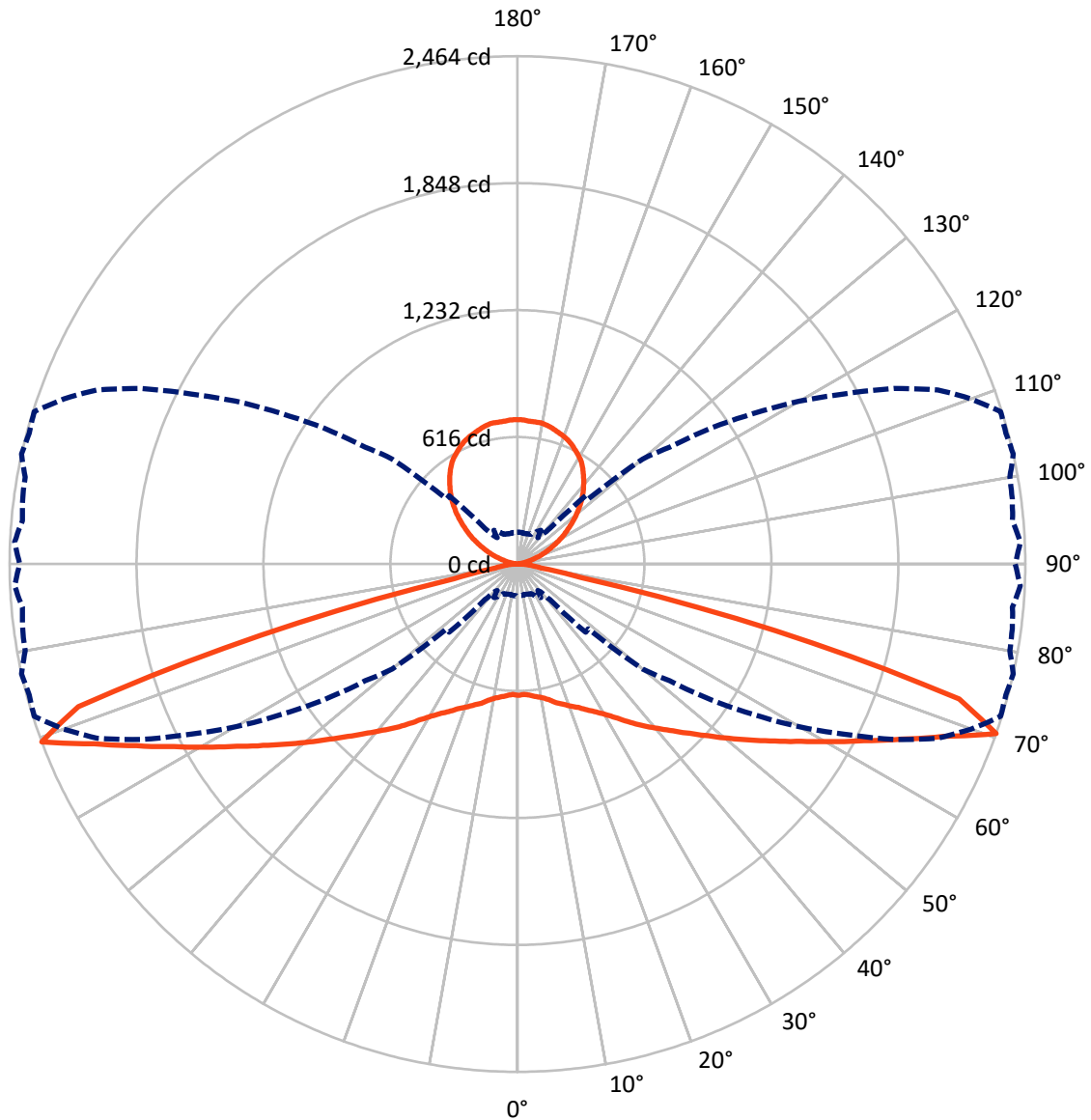


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P227486

CATALOG NUMBER: IST-AF-1200-LED-E1-RW-8030-ULG

Luminous Intensity Polar Plot



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

REPORT NUMBER: P227486

CATALOG NUMBER: IST-AF-1200-LED-E1-RW-8030-ULG

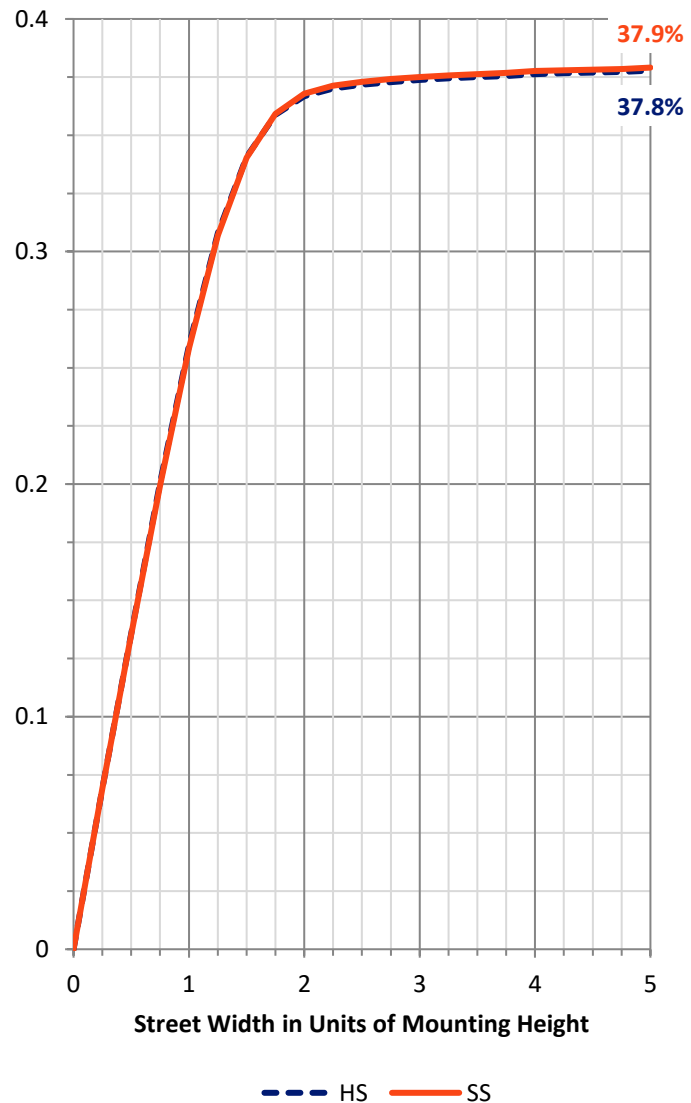
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2774.1	868.0	3642.1
	% Fixture	38.1	11.9	50.0
Street Side	Lumens	2774.1	868.0	3642.1
	% Fixture	38.1	11.9	50.0
Total	Lumens	5548.2	1736.0	7284.2
	% Fixture	76.2	23.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	0.8
10°-20°	192.6	2.6
20°-30°	361.6	5.0
30°-40°	631.9	8.7
40°-50°	1030.0	14.1
50°-60°	1409.6	19.4
60°-70°	1296.6	17.8
70°-80°	506.9	7.0
80°-90°	57.4	0.8
90°-100°	10.1	0.1
100°-110°	57.4	0.8
110°-120°	166.1	2.3
120°-130°	273.2	3.8
130°-140°	336.8	4.6
140°-150°	344.6	4.7
150°-160°	290.3	4.0
160°-170°	191.2	2.6
170°-180°	66.3	0.9
0°-90°	5548.2	76.2
0°-180°	7284.2	100.0



REPORT NUMBER: P227486

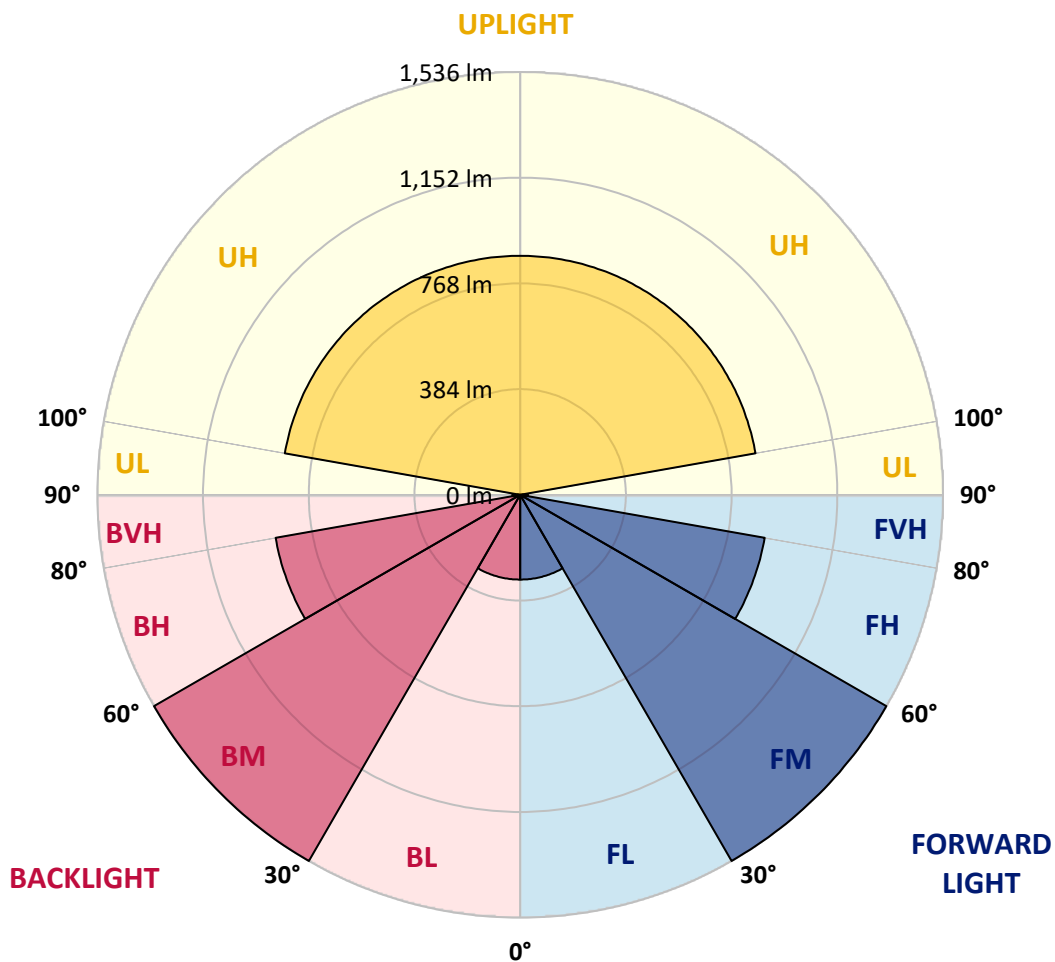
CATALOG NUMBER: IST-AF-1200-LED-E1-RW-8030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	307.9	4.2			
FM	(30°-60°)	1535.7	21.1			
FH	(60°-80°)	901.8	12.4			G1/1800
FVH	(80°-90°)	28.7	0.4			G1/100
BL	(0°-30°)	307.9	4.2	B1/500		
BM	(30°-60°)	1535.7	21.1	B2/2500		
BH	(60°-80°)	901.8	12.4	B2/1000		G2/1000
BVH	(80°-90°)	28.7	0.4			G1/100
UL	(90°-100°)	10.1	0.1		U2/50	
UH	(100°-180°)	868.0	11.9		U4/1000	

BUG Rating: B2-U5-G2

Type II Medium





REPORT NUMBER: P227486

CATALOG NUMBER: IST-AF-1200-LED-E1-RW-8030-ULG

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0°	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3
2.5°	634.9	634.1	634.1	634.9	636.5	637.3	635.7	636.5	636.5	635.7	638.1
5°	636.5	635.7	636.5	638.1	640.6	643.0	642.2	642.2	643.0	641.4	645.5
7.5°	634.9	634.1	635.7	639.8	645.5	648.8	648.8	648.8	650.4	649.6	654.5
10°	627.5	626.7	630.8	638.1	648.8	651.2	653.6	654.5	659.4	659.4	664.3
12.5°	621.0	621.8	627.5	639.0	656.1	656.9	660.2	663.4	670.0	666.7	675.7
15°	623.5	625.1	632.4	646.3	669.2	668.3	670.8	674.1	684.7	677.3	692.0
17.5°	635.7	638.1	646.3	662.6	686.3	682.2	685.5	690.4	704.2	695.3	712.4
20°	655.3	658.5	667.5	685.5	707.5	703.4	706.7	712.4	728.7	719.7	736.9
22.5°	681.4	684.7	694.5	714.9	738.5	733.6	736.9	741.8	759.7	745.9	767.1
25°	716.5	719.7	730.4	751.6	778.5	772.8	774.4	777.7	796.5	780.1	800.5
27.5°	765.4	768.7	777.7	798.1	824.2	819.3	820.9	824.2	843.8	827.5	845.4
30°	827.5	830.7	838.9	859.3	881.3	875.6	878.1	880.5	898.5	882.1	896.8
32.5°	900.9	900.1	912.3	933.6	953.1	942.5	942.5	942.5	959.7	943.3	954.8
35°	987.4	987.4	999.7	1020.1	1038.0	1025.8	1020.1	1016.8	1035.6	1015.2	1023.3
37.5°	1082.1	1078.0	1096.8	1115.5	1132.7	1117.2	1112.3	1108.2	1122.1	1099.2	1103.3
40°	1182.4	1179.2	1199.6	1220.8	1232.2	1211.8	1207.7	1202.8	1217.5	1195.5	1194.7
42.5°	1273.8	1271.4	1297.5	1322.0	1335.9	1309.7	1304.0	1299.1	1315.5	1293.4	1288.5
45°	1351.4	1350.5	1380.7	1414.2	1438.7	1410.9	1406.9	1398.7	1415.0	1388.1	1385.6
47.5°	1411.8	1408.5	1445.2	1494.2	1533.3	1504.8	1504.0	1498.3	1515.4	1486.0	1482.7
50°	1452.6	1455.0	1495.0	1552.1	1615.8	1588.8	1591.3	1588.8	1614.1	1584.8	1588.8
52.5°	1459.9	1464.8	1516.2	1591.3	1680.2	1647.6	1666.4	1673.7	1705.5	1680.2	1688.4
55°	1372.6	1386.5	1464.8	1595.4	1720.2	1699.8	1723.5	1744.7	1789.6	1768.4	1783.1
57.5°	1177.5	1206.1	1296.7	1486.0	1715.3	1726.7	1774.9	1807.5	1862.2	1843.4	1877.7
60°	909.9	929.5	1029.8	1251.0	1558.6	1574.1	1661.5	1765.1	1890.8	1916.9	1970.7
62.5°	595.7	607.1	705.1	929.5	1288.5	1293.4	1402.0	1536.6	1754.5	1811.6	1962.6
65°	295.4	310.9	363.1	535.3	902.5	896.0	1015.2	1172.7	1455.0	1517.8	1763.5
67.5°	184.4	186.9	197.5	248.1	452.1	401.5	499.4	664.3	1006.2	1062.5	1374.2
70°	155.0	154.2	151.8	159.1	199.1	161.6	178.7	233.4	468.4	466.0	792.4
72.5°	142.8	140.4	133.8	133.0	138.7	127.3	128.9	132.2	187.7	157.5	305.2
75°	131.4	126.5	118.3	115.9	115.9	106.9	106.9	107.7	121.6	114.2	138.7
77.5°	117.5	111.8	103.6	100.4	97.1	87.3	86.5	87.3	97.9	91.4	103.6
80°	101.2	95.5	89.8	84.9	80.0	71.0	68.5	68.5	77.5	71.0	80.8
82.5°	88.1	80.8	79.2	71.0	63.7	55.5	53.0	49.0	57.1	49.8	60.4
85°	65.3	59.6	75.1	62.8	50.6	44.9	35.9	30.2	35.9	29.4	38.4
87.5°	37.5	35.1	66.1	49.8	44.9	48.1	29.4	21.2	20.4	18.0	21.2
90°	12.3	13.2	17.6	15.3	17.8	12.6	9.9	9.6	11.9	10.3	12.7
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: P227486

CATALOG NUMBER: IST-AF-1200-LED-E1-RW-8030-ULG

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: P227486

CATALOG NUMBER: IST-AF-1200-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°	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3
2.5°	635.7	638.1	634.9	638.1	632.4	637.3	633.2	638.1	634.1	638.1	633.2
5°	639.8	646.3	639.0	647.9	637.3	647.9	639.0	648.8	640.6	648.8	639.8
7.5°	646.3	657.7	647.9	659.4	646.3	661.0	648.8	662.6	650.4	663.4	649.6
10°	654.5	669.2	656.1	670.8	655.3	672.4	656.9	674.9	658.5	676.5	659.4
12.5°	661.8	680.6	665.9	685.5	668.3	688.7	670.8	693.6	674.1	697.7	675.7
15°	675.7	700.2	681.4	705.1	685.5	709.1	689.6	715.7	693.6	720.6	697.7
17.5°	693.6	720.6	701.0	724.6	703.4	729.5	708.3	734.4	712.4	740.1	714.9
20°	718.1	745.0	724.6	747.5	727.1	750.8	729.5	753.2	734.4	758.1	736.1
22.5°	745.9	771.2	749.1	772.0	749.1	771.2	750.8	772.0	753.2	775.2	755.7
25°	779.3	803.0	781.0	800.5	777.7	797.3	777.7	797.3	780.1	798.9	784.2
27.5°	825.8	843.8	820.9	838.1	813.6	830.7	810.3	827.5	811.1	827.5	812.8
30°	878.1	894.4	868.3	882.1	855.2	868.3	846.2	860.9	843.8	859.3	847.9
32.5°	935.2	948.2	922.1	933.6	905.8	917.2	893.6	903.4	888.7	898.5	891.1
35°	998.8	1011.9	985.0	995.6	967.8	977.6	954.0	958.8	944.2	950.7	944.2
37.5°	1074.7	1086.2	1055.1	1064.9	1034.7	1047.0	1018.4	1023.3	1005.4	1009.4	996.4
40°	1156.3	1168.6	1131.8	1141.6	1104.1	1118.0	1086.2	1089.4	1064.9	1069.0	1048.6
42.5°	1244.5	1255.9	1210.2	1218.4	1174.3	1189.0	1151.4	1158.0	1128.6	1132.7	1106.6
45°	1341.6	1348.1	1297.5	1303.2	1250.2	1264.9	1217.5	1229.8	1194.7	1202.8	1172.7
47.5°	1432.2	1445.2	1389.7	1394.6	1337.5	1346.5	1291.8	1308.1	1270.6	1282.8	1246.1
50°	1535.8	1545.6	1492.5	1493.4	1437.9	1441.1	1379.9	1396.2	1355.4	1368.5	1329.3
52.5°	1641.9	1648.4	1591.3	1597.0	1542.3	1548.0	1486.8	1493.4	1446.0	1457.5	1419.1
55°	1744.7	1746.3	1699.0	1697.4	1646.0	1656.6	1588.8	1603.5	1547.2	1559.5	1516.2
57.5°	1847.5	1853.2	1809.2	1810.8	1759.4	1766.7	1705.5	1716.1	1663.1	1677.8	1623.9
60°	1956.1	1974.0	1930.8	1936.5	1887.5	1902.2	1827.9	1841.8	1783.9	1807.5	1749.6
62.5°	2025.4	2092.3	2084.2	2093.1	2046.6	2054.0	1977.3	1999.3	1929.9	1947.1	1887.5
65°	1893.2	2057.2	2140.5	2231.9	2234.3	2258.0	2183.7	2191.9	2122.5	2118.4	2048.3
67.5°	1543.1	1745.5	1885.9	2073.6	2204.9	2331.4	2377.1	2388.6	2351.0	2311.0	2231.9
70°	931.1	1152.3	1358.7	1579.9	1787.1	2014.8	2208.2	2342.0	2458.7	2453.0	2464.4
72.5°	368.0	551.6	689.6	896.8	1102.5	1354.6	1568.4	1756.9	1957.7	2080.9	2240.9
75°	145.3	191.8	224.4	340.3	438.2	625.9	814.4	916.4	1073.9	1181.6	1292.6
77.5°	104.5	114.2	115.9	134.6	142.0	196.7	230.1	265.2	298.7	319.9	315.8
80°	80.8	87.3	87.3	95.5	94.7	105.3	102.8	112.6	111.8	120.0	114.2
82.5°	60.4	64.5	64.5	71.0	71.0	77.5	75.9	82.4	80.0	85.7	80.0
85°	39.2	43.3	43.3	46.5	44.9	51.4	50.6	55.5	53.0	55.5	51.4
87.5°	22.0	24.5	25.3	27.7	25.3	30.2	29.4	31.8	29.4	31.8	30.2
90°	10.3	11.9	10.8	12.9	10.9	16.3	13.1	17.2	11.4	18.8	12.6
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: P227486

CATALOG NUMBER: IST-AF-1200-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: P227486

CATALOG NUMBER: IST-AF-1200-LED-E1-RW-8030-ULG

CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
0°	637.3	637.3	637.3	637.3	637.3
2.5°	637.3	635.7	639.0	634.1	638.1
5°	648.8	641.4	650.4	641.4	649.6
7.5°	664.3	652.0	665.1	652.0	665.1
10°	678.9	658.5	679.8	660.2	680.6
12.5°	701.0	676.5	704.2	677.3	704.2
15°	725.5	697.7	728.7	698.5	730.4
17.5°	745.0	718.1	748.3	718.1	749.1
20°	761.4	740.1	765.4	740.1	767.9
22.5°	780.1	764.6	785.0	764.6	789.9
25°	804.6	794.0	810.3	795.6	813.6
27.5°	833.2	825.8	838.9	828.3	842.2
30°	866.6	864.2	870.7	865.8	874.0
32.5°	904.2	909.9	909.9	909.9	913.2
35°	958.8	963.7	963.7	965.4	966.2
37.5°	1011.1	1019.2	1018.4	1020.9	1020.9
40°	1065.8	1076.4	1076.4	1076.4	1078.0
42.5°	1126.1	1137.6	1139.2	1134.3	1137.6
45°	1193.9	1197.9	1202.0	1199.6	1205.3
47.5°	1266.5	1270.6	1273.8	1270.6	1279.6
50°	1352.2	1351.4	1360.3	1351.4	1364.4
52.5°	1441.9	1449.3	1455.0	1446.0	1455.0
55°	1543.1	1540.7	1559.5	1547.2	1559.5
57.5°	1654.1	1654.1	1672.9	1661.5	1675.3
60°	1785.5	1774.9	1801.0	1782.2	1801.0
62.5°	1918.5	1899.7	1929.1	1912.8	1937.3
65°	2071.9	2045.0	2072.7	2051.5	2073.6
67.5°	2227.0	2196.0	2204.9	2194.3	2206.6
70°	2426.1	2422.0	2411.4	2442.4	2415.5
72.5°	2215.6	2262.9	2224.5	2298.8	2248.2
75°	1361.2	1448.5	1496.6	1572.5	1560.3
77.5°	322.3	286.4	315.8	283.2	319.1
80°	119.1	108.5	113.4	98.7	110.2
82.5°	81.6	71.0	68.5	54.7	58.8
85°	52.2	42.4	39.2	32.6	35.9
87.5°	31.0	23.7	22.0	18.8	19.6
90°	17.0	10.8	13.5	8.6	12.7
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: P227486

CATALOG NUMBER: IST-AF-1200-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)