

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: P227926

Luminaire Tested: **ISS-AF-600-LED-E1-T4W-8030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29757)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISS-AF-600-LED-E1-T4W-8030-ULG
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV WIDE, 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: 4615.2 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U5 - G1

Input Watts (W): 50.4
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

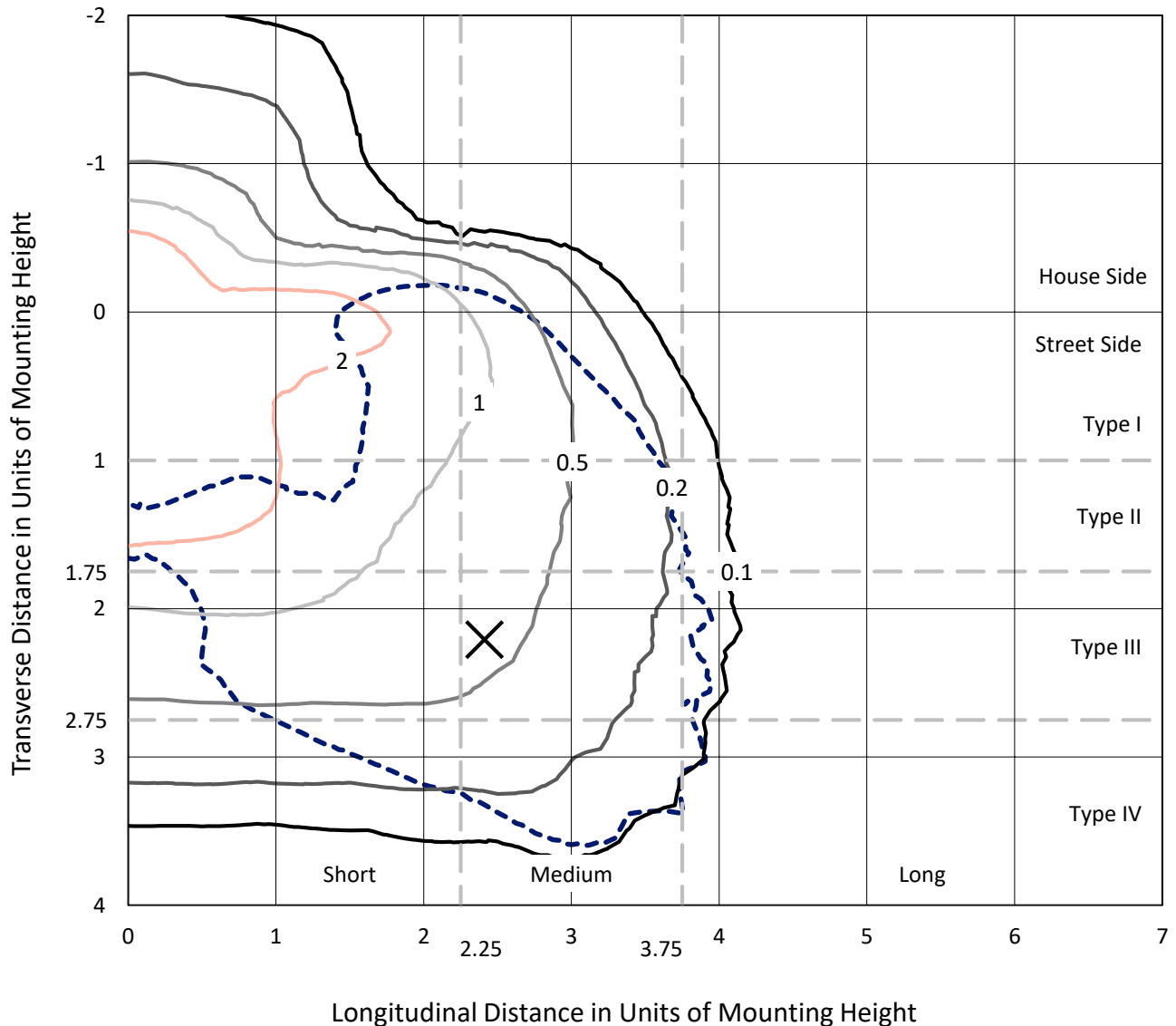


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Iso-Footcandle Lines of Horizontal Illumination

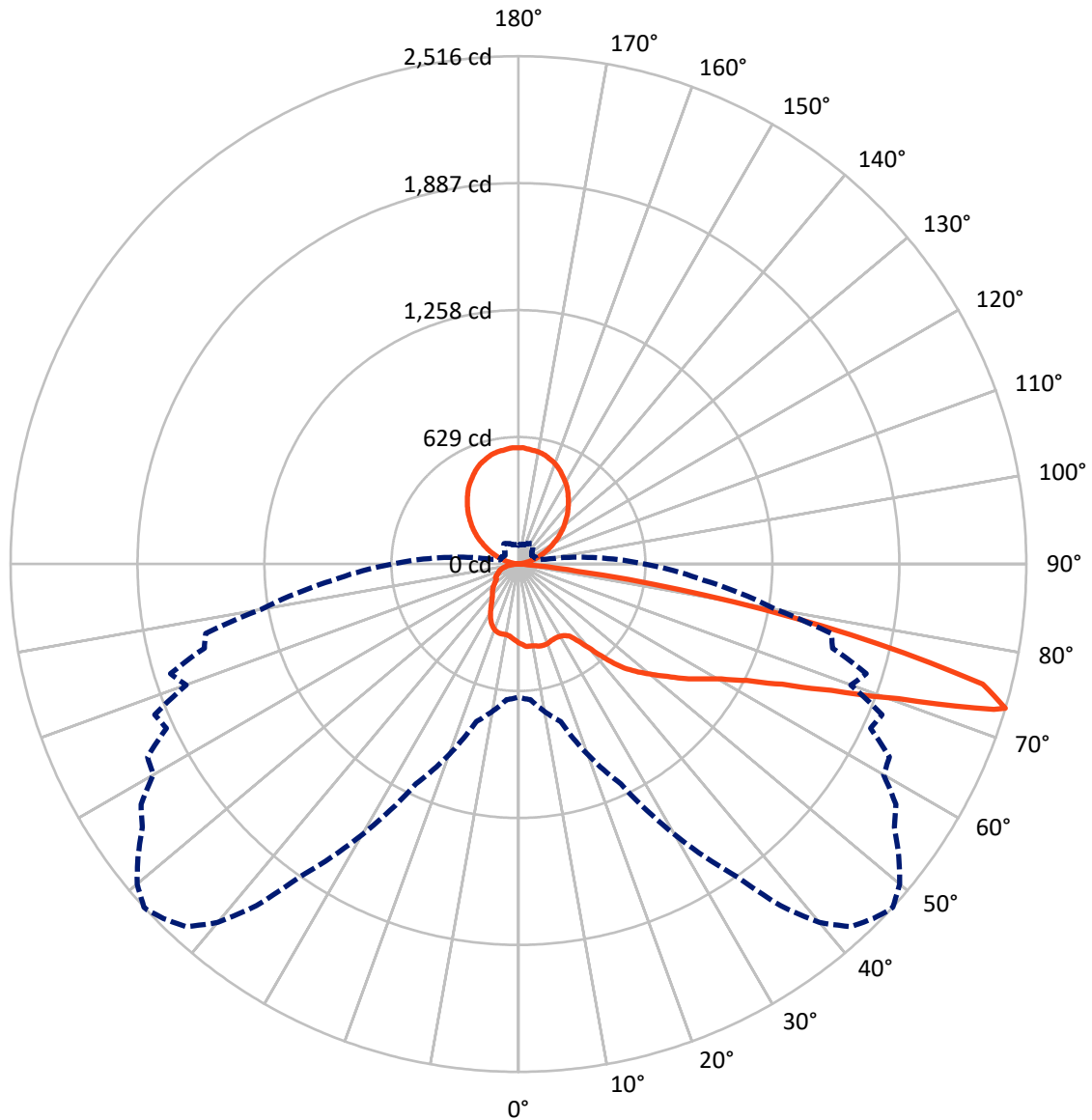
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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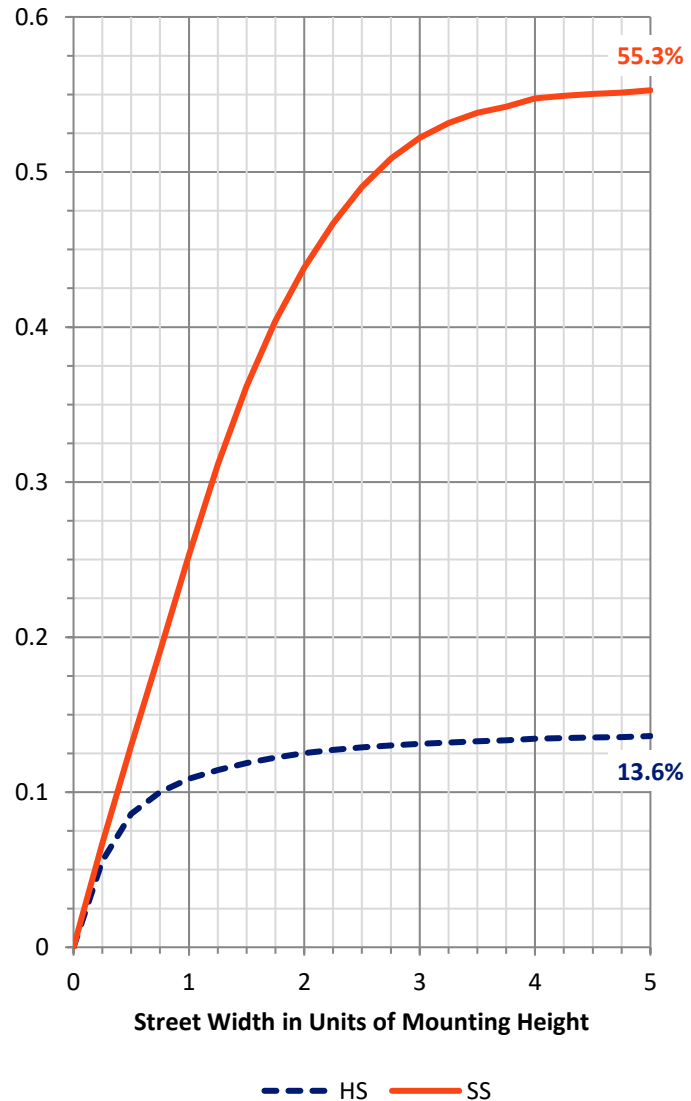
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	637.1	713.1	1350.2
	% Fixture	13.8	15.5	29.3
Street Side	Lumens	2551.9	713.1	3264.9
	% Fixture	55.3	15.5	70.7
Total	Lumens	3189.0	1426.2	4615.2
	% Fixture	69.1	30.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.3	0.8
10°-20°	111.0	2.4
20°-30°	170.6	3.7
30°-40°	248.8	5.4
40°-50°	410.3	8.9
50°-60°	642.4	13.9
60°-70°	871.4	18.9
70°-80°	645.3	14.0
80°-90°	52.1	1.1
90°-100°	4.7	0.1
100°-110°	69.0	1.5
110°-120°	153.0	3.3
120°-130°	223.9	4.9
130°-140°	265.6	5.8
140°-150°	269.3	5.8
150°-160°	231.1	5.0
160°-170°	155.1	3.4
170°-180°	54.3	1.2
0°-90°	3189.0	69.1
0°-180°	4615.2	100.0



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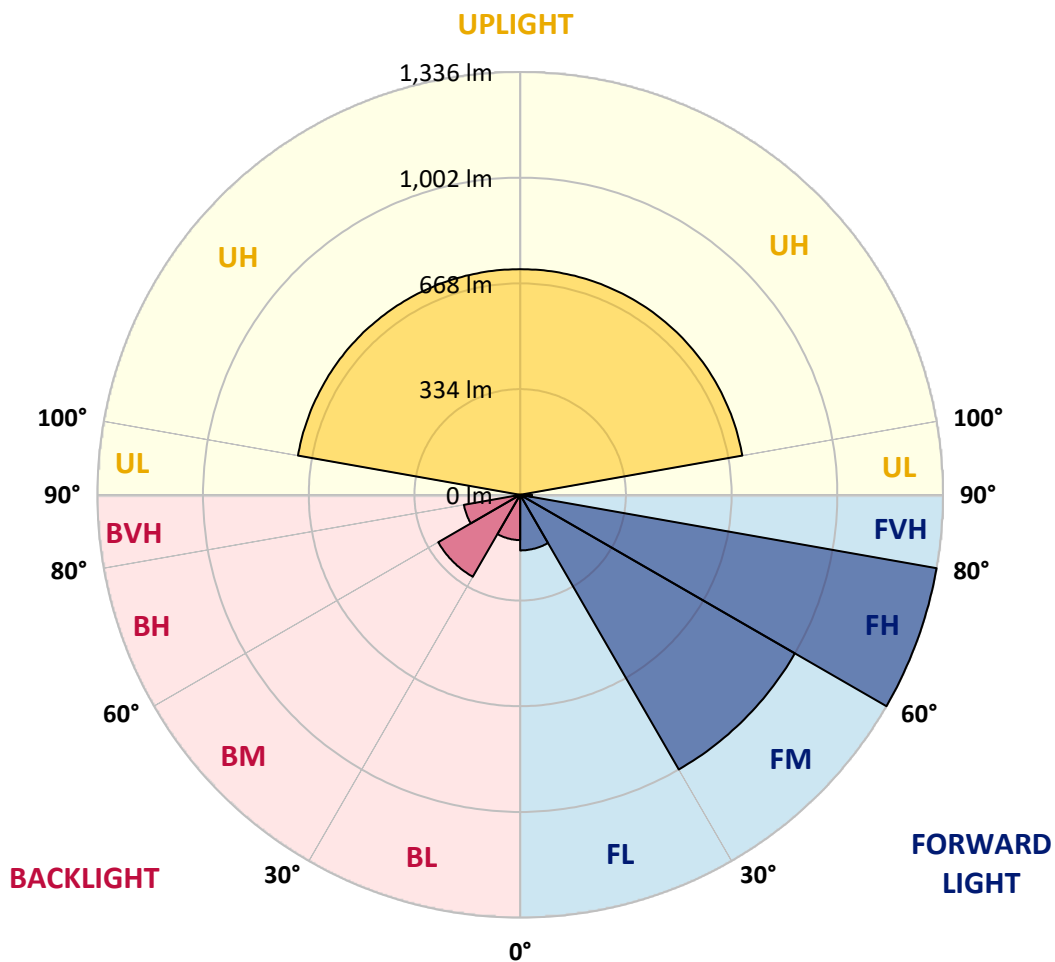
CATALOG NUMBER: ISS-AF-600-LED-E1-T4W-8030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.8	3.8			
FM (30°-60°)	1002.3	21.7			
FH (60°-80°)	1336.2	29.0			G1/1800
FVH (80°-90°)	37.6	0.8			G1/100
BL (0°-30°)	143.0	3.1	B1/500		
BM (30°-60°)	299.2	6.5	B1/1000		
BH (60°-80°)	180.4	3.9	B1/500		G1/500
BVH (80°-90°)	14.5	0.3			G1/100
UL (90°-100°)	4.7	0.1		U1/10	
UH (100°-180°)	713.1	15.5		U4/1000	

BUG Rating: B1-U5-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47°	47.5°
0°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6
2.5°	414.8	413.7	410.6	409.5	406.3	404.2	403.2	402.1	405.3	403.2	400.0
5°	441.1	439.0	434.8	428.5	422.1	417.9	416.9	414.8	414.8	412.7	410.6
7.5°	460.0	459.0	452.7	443.2	432.7	425.3	421.1	417.9	419.0	416.9	410.6
10°	477.9	475.8	465.3	453.7	437.9	429.5	424.2	419.0	423.2	420.0	411.6
12.5°	491.6	489.5	474.8	460.0	442.1	432.7	427.4	424.2	428.5	426.3	416.9
15°	499.0	496.9	482.1	464.2	445.3	434.8	432.7	430.6	433.7	429.5	421.1
17.5°	494.8	494.8	481.1	462.1	446.4	435.8	432.7	430.6	434.8	430.6	421.1
20°	479.0	481.1	471.6	451.6	440.0	432.7	429.5	425.3	429.5	425.3	419.0
22.5°	459.0	461.1	455.8	437.9	429.5	424.2	423.2	419.0	422.1	419.0	412.7
25°	441.1	441.1	439.0	423.2	422.1	417.9	419.0	416.9	419.0	414.8	410.6
27.5°	442.1	442.1	433.7	417.9	416.9	416.9	416.9	416.9	417.9	414.8	410.6
30°	504.3	506.4	482.1	437.9	422.1	420.0	421.1	420.0	421.1	420.0	414.8
32.5°	597.9	597.9	574.8	506.4	450.6	436.9	431.6	430.6	427.4	426.3	422.1
35°	690.6	689.5	666.4	590.6	520.0	493.7	476.9	461.1	453.7	446.4	439.0
37.5°	768.5	765.3	762.2	675.8	602.2	571.6	551.6	528.5	513.7	501.1	484.2
40°	841.1	846.4	858.0	754.8	684.3	655.8	635.8	606.4	591.6	575.8	555.8
42.5°	941.1	948.5	949.5	840.1	759.0	740.1	724.3	702.2	686.4	667.4	649.5
45°	1038.0	1039.0	1042.2	931.7	850.6	826.4	814.8	793.7	773.7	749.5	734.8
47.5°	1104.3	1101.1	1114.8	1036.9	958.0	930.6	913.8	882.2	851.6	821.1	799.0
50°	1185.4	1182.2	1182.2	1156.9	1082.2	1050.6	1021.1	962.2	929.5	891.6	860.1
52.5°	1256.9	1245.4	1252.7	1267.5	1212.7	1172.7	1121.1	1054.8	1011.7	965.3	925.3
55°	1354.8	1294.8	1311.7	1363.3	1342.2	1280.1	1211.7	1141.1	1091.7	1039.0	1002.2
57.5°	1321.2	1280.1	1329.6	1420.1	1419.1	1361.2	1303.3	1216.9	1167.5	1118.0	1072.7
60°	1200.1	1221.1	1328.5	1459.1	1464.3	1419.1	1371.7	1291.7	1252.7	1201.1	1155.9
62.5°	1106.4	1136.9	1284.3	1455.9	1515.9	1473.8	1434.8	1387.5	1360.1	1316.9	1270.6
65°	1101.1	1119.0	1262.2	1452.7	1588.5	1566.4	1548.5	1526.4	1521.2	1489.6	1435.9
67.5°	1151.7	1168.5	1300.1	1533.8	1695.9	1686.4	1712.8	1708.6	1731.7	1715.9	1671.7
70°	1052.7	1062.2	1224.3	1562.2	1941.2	1983.3	2042.3	2039.1	2088.6	2050.7	1999.1
72.5°	739.0	758.0	901.1	1290.6	1946.5	2171.7	2308.6	2424.4	2478.1	2487.6	2463.4
73°	660.1	674.8	807.4	1202.2	1893.8	2133.9	2318.1	2437.0	2484.4	2513.9	2516.0
75°	229.5	236.9	352.7	728.5	1513.8	1862.3	2099.1	2206.5	2194.9	2281.2	2376.0
77.5°	73.7	74.7	91.6	188.4	730.6	1155.9	1420.1	1519.1	1462.2	1555.9	1682.2
80°	45.3	47.4	60.0	85.3	191.6	350.6	593.7	743.2	712.7	800.1	934.8
82.5°	27.4	28.4	36.8	52.6	76.8	85.3	111.6	151.6	186.3	224.2	293.7
85°	12.6	13.7	17.9	24.2	31.6	32.6	31.6	29.5	33.7	39.0	45.3
87.5°	0.0	0.0	1.1	2.1	1.1	0.0	0.0	0.0	0.0	1.1	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	2.0	2.0	2.0	3.0	4.0	5.2	6.5	7.8	9.0	9.8	10.0
100°	8.0	8.0	10.0	14.0	22.0	24.0	26.0	28.0	30.0	30.4	30.5
102.5°	28.0	28.0	32.0	38.0	45.0	46.2	47.5	48.8	50.0	50.2	50.2
105°	54.0	54.0	56.0	61.0	66.0	67.0	68.0	69.0	70.0	70.2	70.2
107.5°	78.0	77.0	80.0	84.0	88.0	88.8	89.5	90.2	91.0	91.4	91.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47°	47.5°
110°	101.0	102.0	103.0	106.0	110.0	110.5	111.0	111.5	112.0	112.4	112.5
112.5°	124.0	124.0	126.0	129.0	132.0	132.5	133.0	133.5	134.0	134.4	134.5
115°	146.0	147.0	149.0	151.0	154.0	154.5	155.0	155.5	156.0	156.4	156.5
117.5°	169.0	170.0	172.0	174.0	177.0	177.5	178.0	178.5	179.0	179.2	179.2
120°	193.0	195.0	196.0	198.0	201.0	201.2	201.5	201.8	202.0	202.4	202.5
122.5°	219.0	220.0	221.0	223.0	226.0	226.2	226.5	226.8	227.0	227.2	227.2
125°	244.0	246.0	247.0	248.0	251.0	251.2	251.5	251.8	252.0	252.2	252.2
127.5°	267.0	269.0	270.0	272.0	274.0	274.5	275.0	275.5	276.0	276.4	276.5
130°	290.0	292.0	293.0	294.0	298.0	298.2	298.5	298.8	299.0	299.4	299.5
132.5°	313.0	314.0	317.0	318.0	321.0	321.2	321.5	321.8	322.0	322.6	322.8
135°	336.0	337.0	339.0	341.0	345.0	345.0	345.0	345.0	345.0	345.6	345.8
137.5°	359.0	360.0	363.0	364.0	367.0	367.0	367.0	367.0	367.0	367.4	367.5
140°	382.0	383.0	385.0	386.0	388.0	388.2	388.5	388.8	389.0	389.2	389.2
142.5°	404.0	406.0	408.0	407.0	410.0	410.0	410.0	410.0	410.0	410.4	410.5
145°	425.0	426.0	428.0	428.0	431.0	431.2	431.5	431.8	432.0	432.4	432.5
147.5°	444.0	444.0	447.0	448.0	452.0	452.2	452.5	452.8	453.0	453.2	453.2
150°	461.0	462.0	464.0	465.0	469.0	469.2	469.5	469.8	470.0	470.2	470.2
152.5°	479.0	480.0	483.0	482.0	485.0	485.2	485.5	485.8	486.0	486.2	486.2
155°	499.0	500.0	502.0	501.0	503.0	503.0	503.0	503.0	503.0	503.2	503.2
157.5°	513.0	515.0	517.0	516.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0
160°	525.0	527.0	529.0	529.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0
162.5°	535.0	536.0	539.0	538.0	541.0	541.0	541.0	541.0	541.0	541.2	541.2
165°	546.0	547.0	549.0	548.0	552.0	552.0	552.0	552.0	552.0	552.2	552.2
167.5°	555.0	556.0	559.0	558.0	561.0	560.8	560.5	560.2	560.0	560.0	560.0
170°	562.0	563.0	566.0	565.0	567.0	566.8	566.5	566.2	566.0	565.8	565.8
172.5°	565.0	566.0	569.0	567.0	569.0	568.8	568.5	568.2	568.0	568.2	568.2
175°	567.0	569.0	570.0	569.0	572.0	572.0	572.0	572.0	572.0	572.2	572.2
177.5°	572.0	573.0	575.0	574.0	578.0	577.8	577.5	577.2	577.0	577.0	577.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0



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CANDELA DISTRIBUTION (continued):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
0°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6
2.5°	403.2	400.0	400.0	395.8	397.9	393.7	395.8	391.6	393.7	388.5	391.6
5°	409.5	404.2	404.2	397.9	399.0	391.6	394.8	386.3	390.6	381.1	387.4
7.5°	412.7	403.2	407.4	395.8	401.1	388.5	394.8	381.1	389.5	374.8	385.3
10°	416.9	403.2	410.6	397.9	404.2	389.5	397.9	381.1	391.6	373.7	383.2
12.5°	423.2	408.5	414.8	400.0	408.5	391.6	400.0	383.2	393.7	373.7	385.3
15°	427.4	412.7	419.0	404.2	410.6	391.6	402.1	382.1	393.7	372.7	385.3
17.5°	426.3	412.7	419.0	402.1	409.5	390.6	401.1	381.1	391.6	369.5	383.2
20°	422.1	410.6	414.8	400.0	406.3	387.4	396.9	376.9	388.5	366.3	380.0
22.5°	416.9	405.3	410.6	396.9	403.2	384.2	392.7	374.8	386.3	364.2	376.9
25°	413.7	404.2	407.4	393.7	402.1	385.3	393.7	373.7	386.3	364.2	379.0
27.5°	412.7	404.2	410.6	397.9	405.3	390.6	399.0	381.1	391.6	368.5	383.2
30°	419.0	411.6	416.9	406.3	412.7	397.9	406.3	389.5	400.0	377.9	394.8
32.5°	426.3	419.0	424.2	414.8	424.2	409.5	420.0	403.2	415.8	393.7	409.5
35°	442.1	433.7	441.1	430.6	441.1	429.5	441.1	423.2	439.0	416.9	433.7
37.5°	483.2	460.0	467.4	455.8	466.4	451.6	471.6	453.7	471.6	450.6	473.7
40°	548.5	507.4	514.8	490.6	506.4	484.2	508.5	494.8	519.0	492.7	522.1
42.5°	633.7	594.8	587.4	550.6	564.3	537.9	562.1	537.9	570.6	545.3	582.2
45°	711.6	670.6	659.0	623.2	632.7	597.9	628.5	594.8	637.9	608.5	654.8
47.5°	775.9	727.4	718.0	676.9	693.7	661.1	699.0	663.2	715.8	686.4	740.1
50°	834.8	774.8	772.7	728.5	756.9	724.3	778.0	753.7	805.3	775.9	839.0
52.5°	902.2	826.4	836.9	796.9	842.2	814.8	876.9	842.2	909.5	878.0	947.4
55°	973.8	893.8	921.1	896.9	950.6	932.7	985.3	953.8	1020.1	988.5	1062.2
57.5°	1052.7	984.3	1032.7	1021.1	1068.5	1046.4	1105.4	1076.9	1143.2	1116.9	1190.6
60°	1155.9	1110.6	1158.0	1156.9	1198.0	1196.9	1234.8	1218.0	1281.2	1269.6	1336.9
62.5°	1289.6	1253.8	1304.3	1290.6	1340.1	1331.7	1378.0	1378.0	1423.3	1439.1	1506.4
65°	1469.6	1422.2	1482.2	1461.2	1510.6	1512.8	1542.2	1547.5	1602.2	1620.1	1678.0
67.5°	1713.8	1659.1	1706.5	1666.4	1723.3	1720.1	1745.4	1755.9	1763.3	1806.5	1812.8
70°	2065.4	1983.3	2026.5	1971.7	1982.3	1989.6	1942.3	1977.0	1892.8	1961.2	1868.6
72.5°	2445.5	2351.8	2277.0	2222.3	2113.9	2098.1	1960.2	1989.6	1810.7	1869.6	1682.2
73°	2465.5	2374.9	2273.9	2217.0	2088.6	2071.7	1924.4	1949.6	1751.7	1807.5	1610.7
75°	2241.2	2265.4	2022.3	2045.4	1822.2	1848.6	1618.0	1647.5	1404.3	1446.4	1192.7
77.5°	1510.6	1591.7	1319.1	1421.2	1144.3	1246.4	933.8	943.2	688.5	643.2	436.9
80°	748.5	818.0	580.0	633.7	425.3	417.9	254.8	211.6	180.0	184.2	189.5
82.5°	215.8	243.2	150.5	149.5	106.3	101.1	101.1	107.4	109.5	122.1	119.0
85°	41.1	49.5	43.2	57.9	51.6	56.8	52.6	61.1	56.8	70.5	61.1
87.5°	1.1	0.0	1.1	3.2	3.2	7.4	5.3	8.4	8.4	14.7	13.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	11.0	12.0	13.0	11.5	10.0	8.5	7.0	6.5	6.0	5.5	5.0
100°	31.0	31.5	32.0	31.5	31.0	30.5	30.0	29.2	28.5	27.8	27.0
102.5°	50.5	50.8	51.0	50.8	50.5	50.2	50.0	49.5	49.0	48.5	48.0
105°	70.5	70.8	71.0	71.0	71.0	71.0	71.0	70.5	70.0	69.5	69.0
107.5°	92.0	92.5	93.0	92.8	92.5	92.2	92.0	91.8	91.5	91.2	91.0



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CANDELA DISTRIBUTION (continued):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
110°	113.0	113.5	114.0	114.0	114.0	114.0	114.0	113.8	113.5	113.2	113.0
112.5°	135.0	135.5	136.0	136.0	136.0	136.0	136.0	135.8	135.5	135.2	135.0
115°	157.0	157.5	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0
117.5°	179.5	179.8	180.0	180.2	180.5	180.8	181.0	180.8	180.5	180.2	180.0
120°	203.0	203.5	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.0
122.5°	227.5	227.8	228.0	228.0	228.0	228.0	228.0	228.2	228.5	228.8	229.0
125°	252.5	252.8	253.0	253.2	253.5	253.8	254.0	254.0	254.0	254.0	254.0
127.5°	277.0	277.5	278.0	277.8	277.5	277.2	277.0	277.2	277.5	277.8	278.0
130°	300.0	300.5	301.0	301.0	301.0	301.0	301.0	301.2	301.5	301.8	302.0
132.5°	323.5	324.2	325.0	325.0	325.0	325.0	325.0	325.2	325.5	325.8	326.0
135°	346.5	347.2	348.0	348.0	348.0	348.0	348.0	348.2	348.5	348.8	349.0
137.5°	368.0	368.5	369.0	369.0	369.0	369.0	369.0	369.2	369.5	369.8	370.0
140°	389.5	389.8	390.0	390.0	390.0	390.0	390.0	390.5	391.0	391.5	392.0
142.5°	411.0	411.5	412.0	412.0	412.0	412.0	412.0	412.2	412.5	412.8	413.0
145°	433.0	433.5	434.0	433.8	433.5	433.2	433.0	433.2	433.5	433.8	434.0
147.5°	453.5	453.8	454.0	453.5	453.0	452.5	452.0	452.2	452.5	452.8	453.0
150°	470.5	470.8	471.0	470.5	470.0	469.5	469.0	469.0	469.0	469.0	469.0
152.5°	486.5	486.8	487.0	486.8	486.5	486.2	486.0	486.0	486.0	486.0	486.0
155°	503.5	503.8	504.0	503.8	503.5	503.2	503.0	503.2	503.5	503.8	504.0
157.5°	519.0	519.0	519.0	518.5	518.0	517.5	517.0	517.2	517.5	517.8	518.0
160°	532.0	532.0	532.0	531.5	531.0	530.5	530.0	530.0	530.0	530.0	530.0
162.5°	541.5	541.8	542.0	541.5	541.0	540.5	540.0	539.5	539.0	538.5	538.0
165°	552.5	552.8	553.0	552.2	551.5	550.8	550.0	549.5	549.0	548.5	548.0
167.5°	560.0	560.0	560.0	559.5	559.0	558.5	558.0	558.2	558.5	558.8	559.0
170°	565.5	565.2	565.0	564.8	564.5	564.2	564.0	564.5	565.0	565.5	566.0
172.5°	568.5	568.8	569.0	568.5	568.0	567.5	567.0	567.2	567.5	567.8	568.0
175°	572.5	572.8	573.0	572.2	571.5	570.8	570.0	569.5	569.0	568.5	568.0
177.5°	577.0	577.0	577.0	576.2	575.5	574.8	574.0	574.0	574.0	574.0	574.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0



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CANDELA DISTRIBUTION (continued):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6
2.5°	387.4	392.7	390.6	388.5	386.3	385.3	381.1	383.2	377.9	382.1	377.9
5°	379.0	385.3	382.1	377.9	375.8	373.7	366.3	371.6	363.2	370.6	364.2
7.5°	369.5	380.0	376.9	372.7	368.5	366.3	351.6	363.2	350.6	361.1	350.6
10°	366.3	377.9	373.7	368.5	364.2	362.1	344.2	357.9	344.2	355.8	342.1
12.5°	364.2	377.9	371.6	366.3	362.1	359.0	339.0	355.8	337.9	354.8	339.0
15°	362.1	377.9	369.5	363.2	359.0	355.8	334.8	353.7	333.7	352.7	334.8
17.5°	360.0	374.8	367.4	360.0	355.8	353.7	330.6	350.6	329.5	350.6	332.7
20°	356.9	371.6	363.2	355.8	351.6	348.4	325.3	346.3	324.2	345.3	325.3
22.5°	352.7	368.5	361.1	353.7	349.5	344.2	319.0	341.1	317.9	339.0	320.0
25°	353.7	370.6	361.1	353.7	347.4	342.1	314.8	339.0	312.7	333.7	312.7
27.5°	359.0	373.7	364.2	357.9	349.5	343.2	314.8	336.9	310.6	328.4	306.3
30°	369.5	384.2	375.8	366.3	359.0	350.6	320.0	337.9	310.6	322.1	300.0
32.5°	387.4	401.1	392.7	385.3	376.9	364.2	330.6	343.2	312.7	317.9	294.8
35°	410.6	427.4	423.2	417.9	407.4	385.3	348.4	350.6	316.9	313.7	287.4
37.5°	448.5	471.6	470.6	469.5	457.9	417.9	368.5	365.3	321.1	310.6	277.9
40°	497.9	525.3	532.7	540.0	515.8	456.9	391.6	380.0	323.2	304.2	263.2
42.5°	555.8	592.7	614.8	628.5	584.3	500.0	417.9	396.9	323.2	294.8	246.3
45°	627.4	670.6	712.7	727.4	660.1	546.4	445.3	410.6	319.0	280.0	224.2
47.5°	714.8	765.3	823.2	830.6	742.2	595.8	464.2	420.0	305.3	260.0	204.2
50°	811.6	872.7	958.0	952.7	829.5	647.4	476.9	426.3	281.1	236.9	180.0
52.5°	920.1	996.9	1118.0	1093.8	935.9	711.6	488.5	434.8	251.6	209.5	155.8
55°	1055.9	1147.5	1299.0	1247.5	1053.8	782.2	505.3	435.8	212.6	176.9	137.9
57.5°	1202.2	1300.1	1493.8	1400.1	1164.3	836.9	497.9	402.1	173.7	149.5	124.2
60°	1378.0	1497.0	1688.6	1542.2	1256.9	855.9	446.4	331.6	148.4	134.7	117.9
62.5°	1574.9	1692.8	1848.6	1641.2	1309.6	824.3	331.6	229.5	127.4	120.0	108.4
65°	1784.4	1895.9	1925.4	1649.6	1274.8	685.3	205.3	150.5	110.5	107.4	100.0
67.5°	1977.0	1987.5	1852.8	1512.8	1106.4	477.9	140.0	120.0	102.1	101.1	96.8
70°	2026.5	1844.4	1540.1	1178.0	799.0	284.2	113.7	104.2	97.9	97.9	94.7
72.5°	1692.8	1404.3	1029.6	713.7	435.8	151.6	96.8	94.7	92.6	92.6	90.5
73°	1587.5	1293.8	922.2	623.2	368.5	135.8	94.7	92.6	91.6	90.5	89.5
75°	1054.8	812.7	523.2	315.8	171.6	97.9	84.2	84.2	83.2	84.2	83.2
77.5°	406.3	306.3	202.1	135.8	97.9	76.8	71.6	72.6	71.6	73.7	72.6
80°	179.0	176.9	133.7	95.8	71.6	57.9	57.9	57.9	59.0	60.0	60.0
82.5°	122.1	103.2	79.0	59.0	43.2	42.1	43.2	43.2	44.2	45.3	44.2
85°	67.4	56.8	42.1	26.3	23.2	28.4	28.4	28.4	27.4	27.4	26.3
87.5°	21.1	15.8	11.6	3.2	5.3	5.3	7.4	6.3	6.3	7.4	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	4.8	4.5	4.0	4.0	4.0	4.5	4.8	5.0	5.5	6.0	6.5
100°	26.8	26.5	26.0	25.0	26.0	26.5	26.8	27.0	27.8	28.5	29.2
102.5°	48.2	48.5	49.0	48.0	49.0	48.5	48.2	48.0	48.5	49.0	49.5
105°	69.5	70.0	71.0	69.0	71.0	70.0	69.5	69.0	69.5	70.0	70.5
107.5°	91.2	91.5	92.0	91.0	92.0	91.5	91.2	91.0	91.2	91.5	91.8



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°	
110°	113.2	113.5	114.0	113.0	114.0	113.5	113.2	113.0	113.2	113.5	113.8	0°
112.5°	135.5	136.0	137.0	135.0	137.0	136.0	135.5	135.0	135.2	135.5	135.8	2.5°
115°	158.5	159.0	160.0	159.0	160.0	159.0	158.5	158.0	158.0	158.0	158.0	5°
117.5°	180.5	181.0	182.0	180.0	182.0	181.0	180.5	180.0	180.2	180.5	180.8	7.5°
120°	204.5	205.0	206.0	204.0	206.0	205.0	204.5	204.0	204.0	204.0	204.0	10°
122.5°	230.0	231.0	233.0	232.0	233.0	231.0	230.0	229.0	228.8	228.5	228.2	12.5°
125°	254.8	255.5	257.0	256.0	257.0	255.5	254.8	254.0	254.0	254.0	254.0	15°
127.5°	278.8	279.5	281.0	278.0	281.0	279.5	278.8	278.0	277.8	277.5	277.2	17.5°
130°	302.8	303.5	305.0	303.0	305.0	303.5	302.8	302.0	301.8	301.5	301.2	20°
132.5°	326.8	327.5	329.0	327.0	329.0	327.5	326.8	326.0	325.8	325.5	325.2	22.5°
135°	349.5	350.0	351.0	350.0	351.0	350.0	349.5	349.0	348.8	348.5	348.2	25°
137.5°	371.0	372.0	374.0	372.0	374.0	372.0	371.0	370.0	369.8	369.5	369.2	27.5°
140°	393.0	394.0	396.0	394.0	396.0	394.0	393.0	392.0	391.5	391.0	390.5	30°
142.5°	413.8	414.5	416.0	415.0	416.0	414.5	413.8	413.0	412.8	412.5	412.2	32.5°
145°	434.8	435.5	437.0	435.0	437.0	435.5	434.8	434.0	433.8	433.5	433.2	35°
147.5°	453.8	454.5	456.0	453.0	456.0	454.5	453.8	453.0	452.8	452.5	452.2	37.5°
150°	470.0	471.0	473.0	470.0	473.0	471.0	470.0	469.0	469.0	469.0	469.0	40°
152.5°	486.8	487.5	489.0	486.0	489.0	487.5	486.8	486.0	486.0	486.0	486.0	42.5°
155°	504.8	505.5	507.0	505.0	507.0	505.5	504.8	504.0	503.8	503.5	503.2	45°
157.5°	519.2	520.5	523.0	520.0	523.0	520.5	519.2	518.0	517.8	517.5	517.2	47.5°
160°	530.8	531.5	533.0	531.0	533.0	531.5	530.8	530.0	530.0	530.0	530.0	50°
162.5°	538.5	539.0	540.0	537.0	540.0	539.0	538.5	538.0	538.5	539.0	539.5	52.5°
165°	548.5	549.0	550.0	548.0	550.0	549.0	548.5	548.0	548.5	549.0	549.5	55°
167.5°	560.0	561.0	563.0	561.0	563.0	561.0	560.0	559.0	558.8	558.5	558.2	57.5°
170°	567.2	568.5	571.0	569.0	571.0	568.5	567.2	566.0	565.5	565.0	564.5	60°
172.5°	568.8	569.5	571.0	568.0	571.0	569.5	568.8	568.0	567.8	567.5	567.2	62.5°
175°	568.8	569.5	571.0	568.0	571.0	569.5	568.8	568.0	568.5	569.0	569.5	65°
177.5°	574.8	575.5	577.0	574.0	577.0	575.5	574.8	574.0	574.0	574.0	574.0	67.5°
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	70°
												72.5°
												73°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°



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REPORT NUMBER: P
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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°	110°	115°
391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	110°	114.0
382.1	379.0	382.1	376.9	381.1	376.9	380.0	380.0	379.0	379.0	379.0	112.5°	136.0
369.5	364.2	369.5	366.3	369.5	365.3	368.5	369.5	370.6	373.7	372.7	115°	158.0
360.0	349.5	361.1	350.6	360.0	350.6	359.0	360.0	363.2	367.4	370.6	117.5°	181.0
355.8	342.1	355.8	343.2	354.8	344.2	354.8	355.8	359.0	364.2	369.5	120°	204.0
353.7	339.0	353.7	341.1	353.7	343.2	353.7	356.9	359.0	363.2	369.5	122.5°	228.0
351.6	336.9	353.7	340.0	353.7	343.2	354.8	356.9	360.0	364.2	369.5	125°	254.0
350.6	333.7	351.6	339.0	351.6	341.1	353.7	353.7	357.9	363.2	366.3	127.5°	277.0
346.3	330.6	346.3	333.7	346.3	336.9	347.4	347.4	351.6	353.7	359.0	130°	301.0
340.0	323.2	337.9	326.3	337.9	328.4	336.9	336.9	340.0	343.2	346.3	132.5°	325.0
330.6	314.8	327.4	316.9	325.3	316.9	323.2	322.1	324.2	326.3	328.4	135°	348.0
320.0	304.2	314.8	303.2	308.4	300.0	304.2	302.1	303.2	304.2	305.3	137.5°	369.0
308.4	292.7	297.9	287.4	288.4	280.0	282.1	279.0	277.9	276.9	274.8	140°	390.0
295.8	279.0	279.0	268.4	266.3	259.0	259.0	254.8	251.6	247.4	243.2	142.5°	412.0
280.0	265.3	257.9	249.5	245.3	237.9	236.9	231.6	224.2	216.9	212.6	145°	433.0
264.2	247.4	236.9	228.4	224.2	219.0	217.9	213.7	205.3	196.9	190.5	147.5°	452.0
243.2	226.3	214.8	211.6	208.4	204.2	205.3	200.0	191.6	182.1	176.9	150°	469.0
222.1	207.4	197.9	196.9	194.8	193.7	194.8	190.5	181.1	172.6	166.3	152.5°	486.0
204.2	189.5	180.0	179.0	177.9	182.1	183.2	182.1	171.6	163.2	154.7	155°	503.0
186.3	168.4	162.1	160.0	161.1	167.4	169.5	172.6	163.2	153.7	142.1	157.5°	517.0
165.3	148.4	146.3	144.2	145.3	150.5	155.8	162.1	153.7	140.0	124.2	160°	530.0
146.3	131.6	132.6	130.5	132.6	136.9	141.1	151.6	141.1	127.4	120.0	162.5°	540.0
131.6	120.0	122.1	120.0	122.1	127.4	130.5	139.0	139.0	135.8	129.5	165°	550.0
121.1	112.6	114.7	112.6	115.8	120.0	123.2	141.1	151.6	143.2	130.5	167.5°	558.0
114.7	107.4	108.4	106.3	108.4	114.7	121.1	142.1	159.0	142.1	132.6	170°	564.0
105.3	99.0	97.9	97.9	100.0	110.5	113.7	132.6	156.9	141.1	133.7	172.5°	567.0
99.0	93.7	92.6	91.6	93.7	101.1	104.2	123.2	151.6	133.7	121.1	175°	570.0
95.8	91.6	89.5	87.4	89.5	95.8	99.0	115.8	143.2	127.4	113.7	177.5°	574.0
92.6	88.4	87.4	85.3	86.3	90.5	94.7	106.3	135.8	120.0	106.3	180°	576.0
88.4	84.2	83.2	80.0	81.1	85.3	87.4	100.0	126.3	112.6	99.0		
87.4	83.2	82.1	79.0	80.0	83.2	85.3	97.9	124.2	111.6	97.9		
82.1	77.9	76.8	74.7	75.8	75.8	77.9	89.5	117.9	105.3	91.6		
72.6	69.5	68.4	66.3	65.3	64.2	67.4	79.0	107.4	94.7	73.7		
60.0	56.8	55.8	51.6	51.6	51.6	55.8	67.4	80.0	68.4	56.8		
44.2	42.1	42.1	39.0	37.9	36.8	40.0	46.3	63.2	53.7	44.2		
26.3	25.3	26.3	23.2	24.2	23.2	26.3	32.6	34.7	27.4	21.1		
6.3	7.4	7.4	7.4	6.3	6.3	5.3	4.2	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
7.0	8.5	10.0	11.5	13.0	12.0	11.0	9.0	4.0	3.0	2.0		
30.0	30.5	31.0	31.5	32.0	31.5	31.0	30.0	22.0	14.0	10.0		
50.0	50.2	50.5	50.8	51.0	50.8	50.5	50.0	45.0	38.0	32.0		
71.0	71.0	71.0	71.0	71.0	70.8	70.5	70.0	66.0	61.0	56.0		
92.0	92.2	92.5	92.8	93.0	92.5	92.0	91.0	88.0	84.0	80.0		

'227926
 ISS-AF-600-LED-E1-T4W-8030-ULG

REPORT NUMBER: P227926
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TION (continued):

CANDELA DISTRIBUTION (con

117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°		175°	180°
114.0	114.0	114.0	114.0	113.5	113.0	112.0	110.0	106.0	103.0	0°	391.6	391.6
136.0	136.0	136.0	136.0	135.5	135.0	134.0	132.0	129.0	126.0	2.5°	377.9	376.9
158.0	158.0	158.0	158.0	157.5	157.0	156.0	154.0	151.0	149.0	5°	372.7	372.7
180.8	180.5	180.2	180.0	179.8	179.5	179.0	177.0	174.0	172.0	7.5°	370.6	370.6
204.0	204.0	204.0	204.0	203.5	203.0	202.0	201.0	198.0	196.0	10°	371.6	371.6
228.0	228.0	228.0	228.0	227.8	227.5	227.0	226.0	223.0	221.0	12.5°	371.6	373.7
253.8	253.5	253.2	253.0	252.8	252.5	252.0	251.0	248.0	247.0	15°	374.8	373.7
277.2	277.5	277.8	278.0	277.5	277.0	276.0	274.0	272.0	270.0	17.5°	371.6	371.6
301.0	301.0	301.0	301.0	300.5	300.0	299.0	298.0	294.0	293.0	20°	363.2	365.3
325.0	325.0	325.0	325.0	324.2	323.5	322.0	321.0	318.0	317.0	22.5°	351.6	351.6
348.0	348.0	348.0	348.0	347.2	346.5	345.0	345.0	341.0	339.0	25°	332.7	333.7
369.0	369.0	369.0	369.0	368.5	368.0	367.0	367.0	364.0	363.0	27.5°	307.4	309.5
390.0	390.0	390.0	390.0	389.8	389.5	389.0	388.0	386.0	385.0	30°	275.8	277.9
412.0	412.0	412.0	412.0	411.5	411.0	410.0	410.0	407.0	408.0	32.5°	240.0	242.1
433.2	433.5	433.8	434.0	433.5	433.0	432.0	431.0	428.0	428.0	35°	211.6	212.6
452.5	453.0	453.5	454.0	453.8	453.5	453.0	452.0	448.0	447.0	37.5°	192.6	192.6
469.5	470.0	470.5	471.0	470.8	470.5	470.0	469.0	465.0	464.0	40°	176.9	176.9
486.2	486.5	486.8	487.0	486.8	486.5	486.0	485.0	482.0	483.0	42.5°	162.1	161.1
503.2	503.5	503.8	504.0	503.8	503.5	503.0	503.0	501.0	502.0	45°	147.4	145.3
517.5	518.0	518.5	519.0	519.0	519.0	519.0	519.0	516.0	517.0	47.5°	132.6	131.6
530.5	531.0	531.5	532.0	532.0	532.0	532.0	532.0	529.0	529.0	50°	120.0	120.0
540.5	541.0	541.5	542.0	541.8	541.5	541.0	541.0	538.0	539.0	52.5°	122.1	122.1
550.8	551.5	552.2	553.0	552.8	552.5	552.0	552.0	548.0	549.0	55°	131.6	131.6
558.5	559.0	559.5	560.0	560.0	560.0	560.0	561.0	558.0	559.0	57.5°	132.6	131.6
564.2	564.5	564.8	565.0	565.2	565.5	566.0	567.0	565.0	566.0	60°	144.2	143.2
567.5	568.0	568.5	569.0	568.8	568.5	568.0	569.0	567.0	569.0	62.5°	150.5	153.7
570.8	571.5	572.2	573.0	572.8	572.5	572.0	572.0	569.0	570.0	65°	131.6	127.4
574.8	575.5	576.2	577.0	577.0	577.0	577.0	578.0	574.0	575.0	67.5°	125.3	119.0
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	70°	112.6	103.2
										72.5°	100.0	94.7
										73°	96.8	92.6
										75°	86.3	84.2
										77.5°	65.3	64.2
										80°	54.7	53.7
										82.5°	36.8	34.7
										85°	15.8	14.7
										87.5°	0.0	0.0
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	1.0	1.0
										97.5°	2.0	2.0
										100°	8.0	8.0
										102.5°	28.0	28.0
										105°	54.0	54.0
										107.5°	77.0	78.0



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CANDELA DISTRIBUTION (continued):

	175°	180°
110°	102.0	101.0
112.5°	124.0	124.0
115°	147.0	146.0
117.5°	170.0	169.0
120°	195.0	193.0
122.5°	220.0	219.0
125°	246.0	244.0
127.5°	269.0	267.0
130°	292.0	290.0
132.5°	314.0	313.0
135°	337.0	336.0
137.5°	360.0	359.0
140°	383.0	382.0
142.5°	406.0	404.0
145°	426.0	425.0
147.5°	444.0	444.0
150°	462.0	461.0
152.5°	480.0	479.0
155°	500.0	499.0
157.5°	515.0	513.0
160°	527.0	525.0
162.5°	536.0	535.0
165°	547.0	546.0
167.5°	556.0	555.0
170°	563.0	562.0
172.5°	566.0	565.0
175°	569.0	567.0
177.5°	573.0	572.0
180°	576.0	576.0

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

