

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: P228490

Luminaire Tested: **ISS-AF-350-LED-E1-SLL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P228490  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29764)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISS-AF-350-LED-E1-SLL  
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

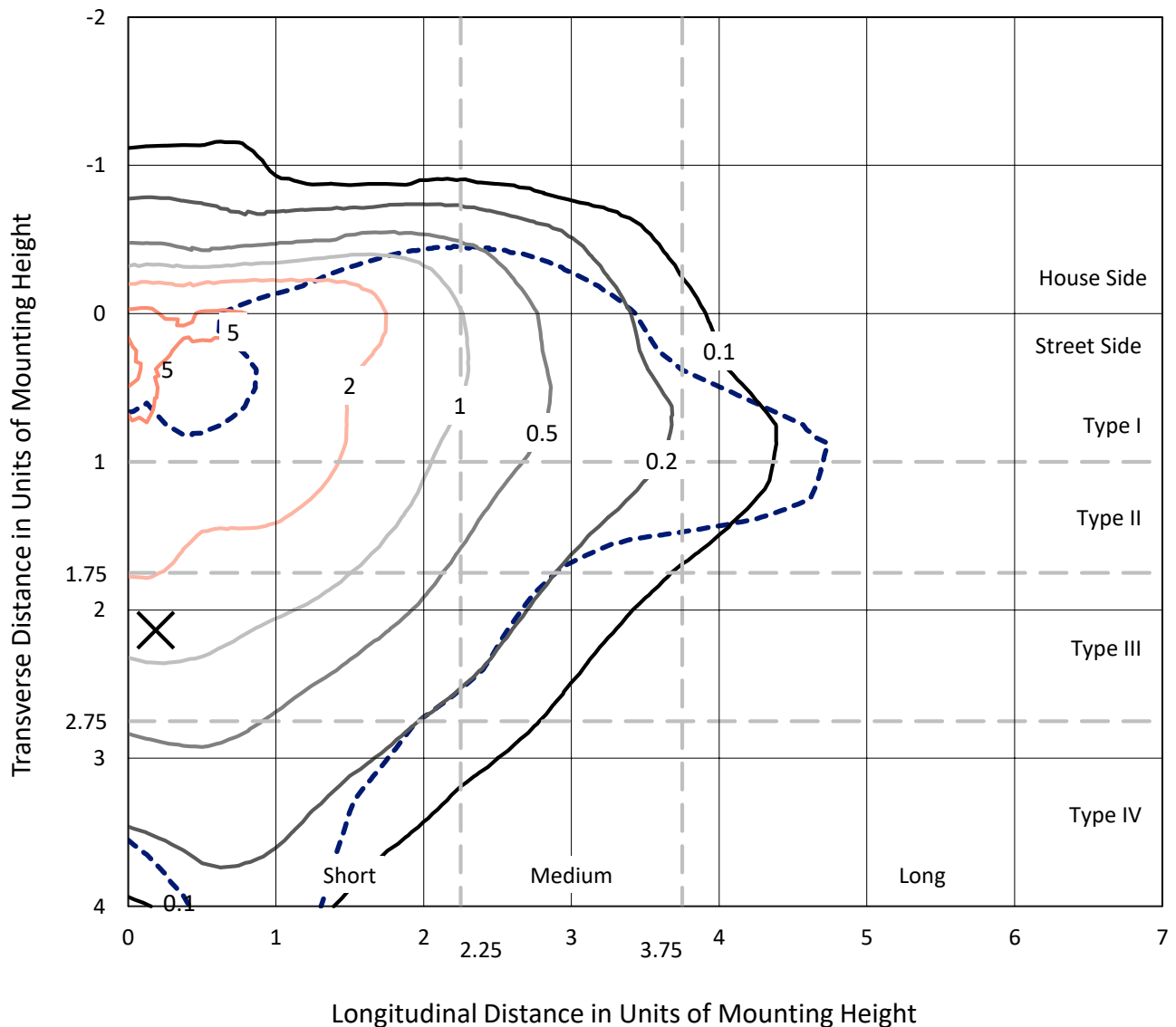
Lumens per Lamp: N/A  
Luminaire Lumens: 2035.7 lumens  
Efficiency: N/A  
Efficacy: 101.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 20.09  
Input Voltage (V): 120  
Input 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

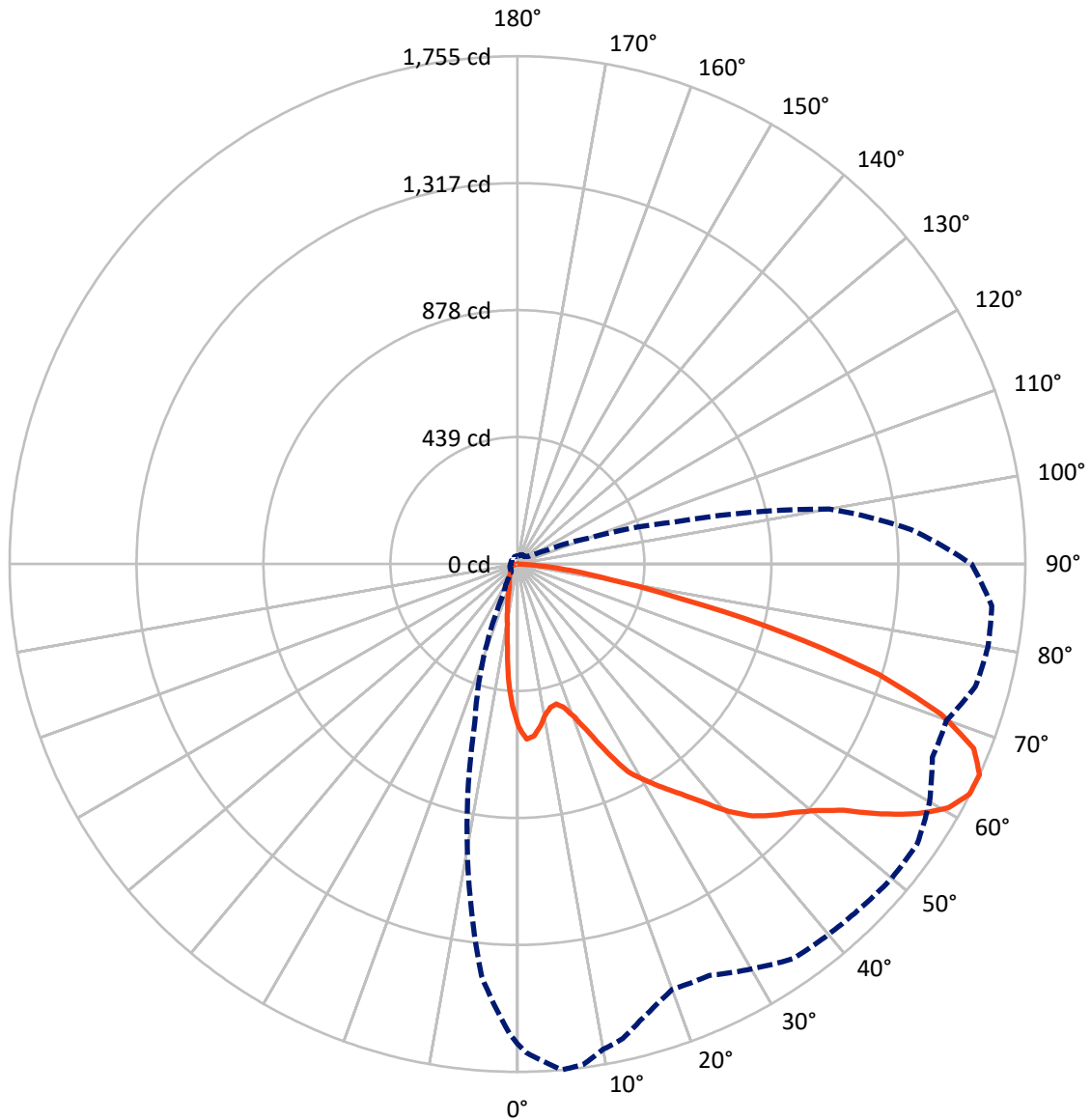
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	338.5	0.0	338.5
	% Fixture	16.6	0.0	16.6
<b>Street Side</b>	Lumens	1697.2	0.0	1697.2
	% Fixture	83.4	0.0	83.4
<b>Total</b>	Lumens	2035.7	0.0	2035.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.2	2.1
10°-20°	89.1	4.4
20°-30°	129.6	6.4
30°-40°	191.6	9.4
40°-50°	279.2	13.7
50°-60°	418.6	20.6
60°-70°	521.6	25.6
70°-80°	305.5	15.0
80°-90°	57.1	2.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2035.7	100.0
0°-180°	2035.7	100.0



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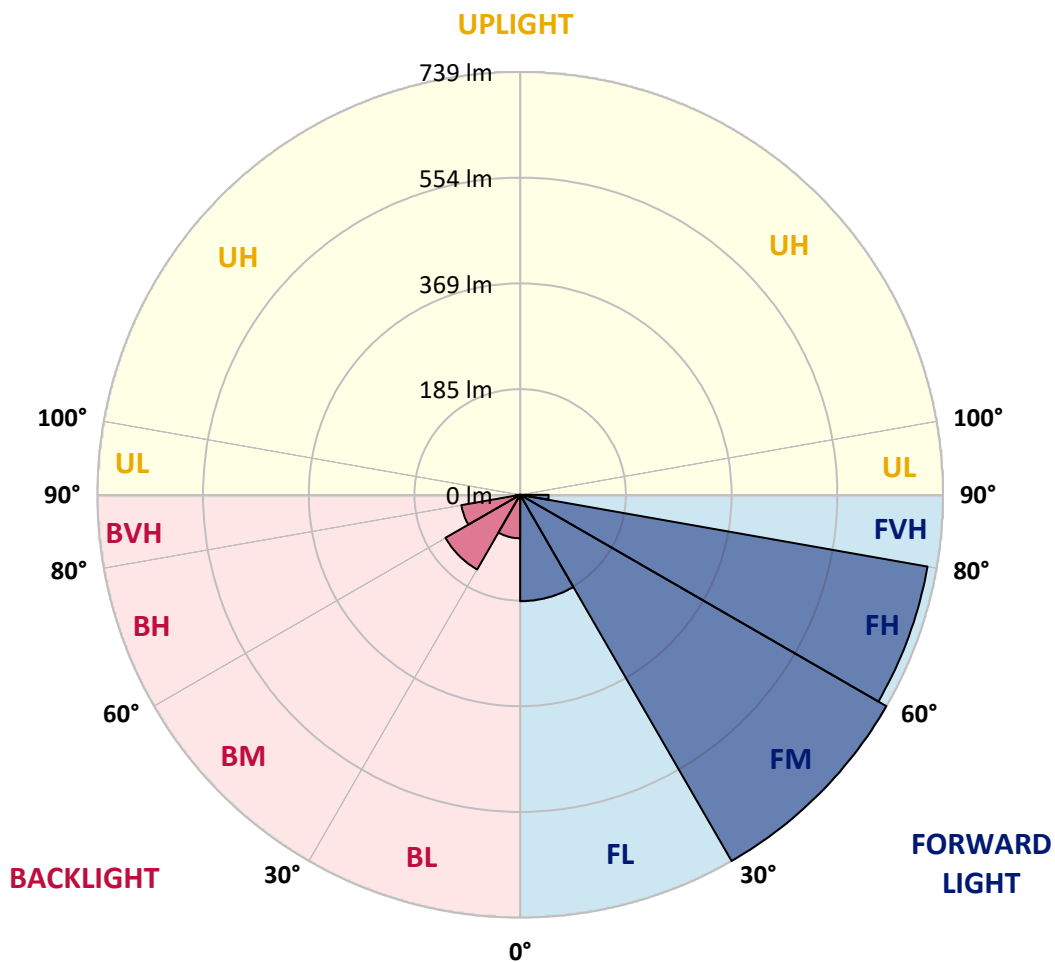
CATALOG NUMBER: ISS-AF-350-LED-E1-SLL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.0	9.1			
FM	(30°-60°)	738.8	36.3			
FH	(60°-80°)	722.7	35.5			G1/1800
FVH	(80°-90°)	49.8	2.4			G1/100
BL	(0°-30°)	76.0	3.7	B0/110		
BM	(30°-60°)	150.7	7.4	B0/220		
BH	(60°-80°)	104.5	5.1	B0/110		G0/110
BVH	(80°-90°)	7.4	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	7.5°	10°	12.5°	15°	17.5°	20°	25°	35°
0°	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3
2.5°	598.0	596.4	606.1	607.6	614.1	614.1	621.3	627.8	630.2	635.9	650.4
5°	578.7	583.5	597.2	610.9	620.5	630.2	640.7	653.7	664.1	681.8	718.9
7.5°	535.9	543.2	566.6	580.3	595.6	612.5	625.4	640.7	656.8	686.7	752.8
10°	494.1	499.7	529.5	546.5	568.1	585.9	604.5	621.3	639.1	676.2	752.8
12.5°	467.5	474.6	508.5	524.7	549.6	568.1	590.8	610.9	631.9	671.4	745.5
15°	461.8	469.8	502.1	522.2	544.0	561.7	581.9	602.8	623.8	662.5	728.5
17.5°	477.1	486.8	521.4	544.0	560.9	581.0	595.6	615.7	629.4	660.1	691.5
20°	513.4	524.7	565.8	587.5	601.2	614.1	625.4	637.5	643.1	650.4	644.8
22.5°	571.4	585.1	631.9	656.8	666.6	676.2	677.0	678.6	674.5	655.2	611.7
25°	654.4	668.1	721.3	745.5	745.5	745.5	736.6	730.2	711.7	675.4	602.8
27.5°	731.8	749.5	813.1	828.5	823.7	816.4	799.5	783.4	756.8	696.3	602.0
30°	789.8	807.5	866.3	878.5	866.3	848.6	822.0	798.7	767.2	706.9	607.6
32.5°	843.0	864.0	920.3	922.0	900.2	880.0	850.3	823.7	790.6	726.2	624.6
35°	899.4	920.3	977.6	966.3	934.9	907.5	876.9	853.4	820.4	751.2	652.0
37.5°	977.6	996.1	1044.5	1017.9	977.6	942.1	909.1	878.5	845.5	785.0	698.0
40°	1053.3	1079.9	1124.3	1081.6	1032.4	984.9	948.6	916.4	880.0	830.9	756.8
42.5°	1124.3	1149.3	1190.4	1135.6	1078.4	1030.8	992.9	958.3	923.6	883.3	827.7
45°	1178.2	1204.1	1238.7	1180.7	1115.4	1066.2	1025.2	994.5	963.9	936.5	917.2
47.5°	1230.7	1256.5	1283.1	1220.2	1155.7	1105.7	1057.4	1029.2	1005.0	990.5	1013.8
50°	1298.3	1316.1	1338.6	1270.9	1202.5	1145.2	1096.9	1075.1	1052.5	1057.4	1135.6
52.5°	1390.3	1405.5	1413.6	1347.5	1270.9	1205.6	1152.5	1122.7	1104.2	1132.3	1264.5
55°	1520.0	1541.8	1524.0	1458.7	1362.1	1287.9	1222.6	1187.1	1175.9	1213.7	1393.5
57.5°	1632.0	1641.7	1628.8	1564.3	1465.2	1382.2	1312.9	1275.8	1262.9	1312.9	1511.1
60°	1681.2	1693.3	1711.0	1655.4	1562.8	1480.5	1420.9	1384.6	1362.9	1420.9	1605.4
62.5°	1689.2	1709.4	1752.9	1724.7	1651.3	1590.1	1536.2	1486.1	1469.3	1513.6	1667.5
65°	1657.8	1688.5	1755.4	1744.8	1703.7	1680.4	1635.3	1596.5	1564.3	1569.2	1664.2
67.5°	1586.9	1622.4	1700.6	1695.6	1700.6	1700.6	1661.1	1628.8	1586.9	1527.3	1541.8
70°	1416.1	1462.8	1553.0	1576.4	1617.5	1617.5	1582.9	1533.7	1485.3	1362.9	1288.7
72.5°	1134.8	1166.2	1304.8	1418.4	1470.8	1449.9	1416.1	1333.8	1227.4	1092.8	992.2
75°	768.0	786.5	956.7	1164.6	1259.7	1242.0	1186.3	1084.0	974.4	824.5	697.1
77.5°	428.0	452.1	579.5	742.3	870.4	868.0	860.7	795.4	708.4	584.3	518.2
80°	251.4	259.5	326.4	444.9	555.3	528.7	510.1	458.6	414.3	357.8	408.6
82.5°	154.0	145.9	185.4	270.8	328.1	316.7	285.3	266.0	245.0	229.7	271.6
85°	41.9	37.8	75.8	113.6	139.4	150.7	150.7	149.1	133.8	100.8	120.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
0°	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3
2.5°	656.0	656.8	654.4	660.1	653.7	650.4	640.7	640.7	632.7	626.3	619.0
5°	732.6	737.4	733.4	734.2	721.3	708.4	689.1	677.8	657.7	635.9	613.4
7.5°	784.2	792.3	789.0	775.3	755.1	727.7	695.5	664.9	631.9	596.4	563.3
10°	797.9	806.7	799.5	773.7	740.6	701.9	663.3	622.2	581.9	544.0	508.5
12.5°	778.6	785.0	769.7	741.4	709.2	670.5	630.2	594.7	547.3	507.0	465.9
15°	729.4	725.4	723.7	703.6	681.0	649.6	611.7	575.4	531.1	490.0	446.5
17.5°	676.2	671.4	673.0	664.9	661.6	647.1	619.0	588.3	548.8	498.9	452.1
20°	629.4	624.6	627.1	631.1	643.1	643.9	639.1	619.0	589.9	537.6	480.4
22.5°	589.1	589.9	598.0	609.3	629.4	655.2	675.4	679.4	659.3	598.0	526.3
25°	577.0	573.1	581.9	600.5	634.2	684.3	729.4	752.0	740.6	679.4	591.6
27.5°	573.1	567.4	577.0	601.2	655.2	725.4	789.8	823.7	827.7	764.9	661.6
30°	573.1	570.6	580.3	611.7	668.9	739.1	810.8	861.5	877.7	825.3	722.9
32.5°	580.3	581.9	598.8	639.1	698.0	769.7	843.8	898.7	927.6	888.1	772.1
35°	596.4	599.7	623.8	670.5	734.2	806.7	874.4	930.1	976.8	955.8	818.1
37.5°	631.1	635.9	665.7	713.3	771.3	836.6	902.7	962.3	1030.0	1021.1	866.3
40°	692.3	692.3	722.1	763.2	810.8	860.7	926.0	996.1	1079.1	1091.3	926.0
42.5°	769.7	766.5	785.8	815.6	848.6	890.6	949.4	1027.6	1125.0	1151.6	971.2
45°	876.1	859.9	870.4	877.7	893.8	919.5	972.0	1057.4	1162.2	1196.9	1005.0
47.5°	1001.0	978.5	969.6	955.8	950.2	959.8	1005.0	1080.7	1197.7	1235.5	1059.8
50°	1138.7	1117.1	1093.6	1056.6	1024.4	1014.7	1042.1	1112.2	1235.5	1283.9	1120.2
52.5°	1282.3	1266.9	1236.3	1178.2	1117.1	1082.4	1095.3	1164.6	1296.0	1358.8	1191.9
55°	1413.6	1418.4	1381.4	1313.7	1225.8	1172.6	1188.0	1257.3	1405.5	1479.7	1312.0
57.5°	1554.7	1541.8	1512.7	1442.7	1346.7	1289.5	1296.0	1379.8	1528.1	1584.4	1431.3
60°	1648.2	1648.2	1616.7	1563.5	1472.4	1419.2	1429.0	1506.3	1626.4	1632.0	1484.5
62.5°	1708.6	1717.4	1692.5	1654.6	1565.9	1521.6	1554.7	1609.4	1674.8	1628.0	1457.9
65°	1679.6	1689.2	1686.8	1644.9	1582.1	1578.8	1638.5	1651.3	1645.7	1569.2	1366.0
67.5°	1548.2	1528.9	1528.1	1506.3	1493.4	1560.3	1636.0	1640.1	1545.0	1453.9	1221.0
70°	1298.3	1265.3	1252.4	1258.8	1317.7	1442.7	1550.6	1520.0	1368.5	1290.4	1039.6
72.5°	1001.0	961.5	953.4	978.5	1069.5	1245.1	1392.6	1350.0	1125.0	1034.0	805.2
75°	710.0	693.2	693.9	743.1	841.4	1010.7	1182.3	1178.2	833.3	713.3	554.4
77.5°	516.6	519.9	534.3	553.7	638.3	801.9	963.1	952.6	593.2	490.0	387.7
80°	426.4	431.2	431.2	420.7	442.4	529.5	654.4	698.8	397.3	329.6	270.8
82.5°	306.3	330.4	344.1	327.2	319.2	348.9	410.2	439.3	247.5	208.0	189.3
85°	145.9	166.8	171.7	167.7	192.6	220.0	234.6	240.2	135.4	96.7	124.1
87.5°	0.0	0.0	0.8	6.4	17.7	30.6	30.6	46.7	7.3	2.5	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°
0°	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3
2.5°	609.3	598.8	590.8	581.0	573.1	565.0	559.3	547.3	537.6	515.8	510.1
5°	594.7	572.2	556.9	542.4	523.9	511.0	497.3	480.4	461.8	430.4	420.7
7.5°	537.6	509.3	488.4	467.5	443.2	421.5	401.4	378.8	346.6	312.7	299.8
10°	475.5	445.7	416.6	391.7	362.6	338.5	320.8	304.6	278.9	253.1	236.1
12.5°	424.7	390.9	357.8	332.9	317.5	305.5	292.6	279.7	252.3	223.2	203.1
15°	401.4	361.8	332.9	311.9	298.2	283.7	268.4	253.9	221.7	187.8	163.6
17.5°	404.6	359.5	322.3	294.2	275.6	255.5	237.7	219.2	183.7	143.4	121.7
20°	422.3	361.8	311.1	278.0	251.4	225.7	203.1	179.7	136.2	104.8	89.5
22.5°	444.9	369.9	304.6	262.0	228.9	196.6	167.7	140.2	100.8	82.2	75.0
25°	483.5	388.4	303.0	247.5	207.1	168.5	138.6	109.6	81.4	72.5	68.5
27.5°	531.9	409.4	304.6	236.9	188.6	145.9	112.8	91.0	73.3	68.5	65.3
30°	580.3	431.2	297.4	220.9	166.8	124.9	96.7	83.0	72.5	66.9	61.3
32.5°	623.0	447.3	285.3	203.9	147.5	106.4	82.2	70.9	63.6	57.2	55.6
35°	653.7	454.6	271.6	193.4	134.6	95.1	72.5	63.6	56.4	49.9	46.7
37.5°	682.6	455.3	257.1	183.7	129.7	90.2	66.9	58.8	52.4	46.7	43.5
40°	712.5	452.1	249.0	174.1	122.5	87.9	64.4	54.8	50.7	44.3	41.1
42.5°	734.2	446.5	245.8	168.5	116.1	81.4	62.9	54.0	48.4	43.5	39.5
45°	754.3	440.9	245.8	163.6	111.2	77.3	59.6	54.8	46.7	42.8	37.8
47.5°	778.6	443.2	246.6	159.6	107.2	73.3	56.4	53.2	47.6	41.9	37.0
50°	819.6	470.7	250.6	157.1	103.9	70.1	54.0	50.7	52.4	41.1	36.3
52.5°	890.6	514.2	257.1	155.6	100.8	67.7	50.7	49.2	53.2	41.1	35.5
55°	983.3	558.5	263.5	151.5	96.0	62.9	49.2	45.9	49.2	41.1	34.7
57.5°	1073.5	591.6	269.1	145.9	87.9	58.0	46.7	43.5	45.1	40.3	33.0
60°	1125.9	617.4	274.9	136.2	78.2	52.4	44.3	41.1	40.3	40.3	32.2
62.5°	1140.4	607.6	271.6	124.1	70.1	48.4	41.9	38.7	36.3	41.1	32.2
65°	1094.5	556.9	259.5	113.6	64.4	46.7	39.5	37.0	34.7	35.5	30.6
67.5°	953.4	468.2	226.5	103.9	63.6	45.9	37.8	35.5	32.2	31.4	29.1
70°	777.7	367.5	187.8	96.7	62.9	45.9	36.3	33.0	30.6	28.2	26.6
72.5°	598.0	274.9	157.9	93.5	63.6	45.1	33.9	29.9	27.4	25.8	24.1
75°	420.7	194.3	131.3	83.8	59.6	42.8	31.4	26.6	24.1	22.6	21.0
77.5°	304.6	132.2	97.5	67.7	50.7	37.0	27.4	22.6	20.2	19.3	17.7
80°	194.3	81.4	65.3	49.9	37.0	29.1	21.0	17.7	16.2	14.5	13.7
82.5°	112.0	47.6	39.5	33.9	24.1	19.3	15.3	13.7	10.4	9.7	8.9
85°	68.5	29.9	21.8	17.7	15.3	12.1	8.9	8.1	5.6	4.8	4.0
87.5°	15.3	6.4	5.6	4.0	4.8	4.0	2.5	1.6	0.0	0.0	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



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CATALOG NUMBER: ISS-AF-350-LED-E1-SLL

**CANDELA DISTRIBUTION (continued):**

	175°	180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°
0°	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3
2.5°	501.2	489.2	490.0	487.6	481.2	470.7	467.5	461.8	462.6	465.9	462.6
5°	409.4	394.9	396.5	395.7	389.2	382.0	376.3	369.1	366.7	369.1	365.1
7.5°	290.1	280.5	283.7	290.9	290.1	286.1	281.3	273.2	271.6	272.4	265.1
10°	221.7	212.0	209.5	208.8	207.1	204.7	198.2	191.8	189.3	190.2	185.4
12.5°	185.4	177.3	167.7	158.8	150.7	147.5	139.4	135.4	134.6	134.6	132.2
15°	146.7	140.2	134.6	125.7	119.3	114.5	108.8	105.6	104.8	105.6	105.6
17.5°	109.6	106.4	103.9	103.1	99.9	96.7	93.5	91.9	91.0	91.0	91.9
20°	83.8	83.0	83.0	83.0	87.1	90.2	91.0	88.7	87.9	87.1	86.2
22.5°	72.5	71.7	72.5	77.3	75.0	72.5	72.5	72.5	72.5	72.5	73.3
25°	66.9	67.7	68.5	66.1	63.6	62.1	61.3	61.3	60.5	60.5	61.3
27.5°	63.6	62.9	62.1	60.5	58.8	56.4	55.6	54.8	54.8	54.8	54.8
30°	59.6	58.8	58.0	56.4	54.0	50.7	49.9	49.9	49.2	49.9	49.9
32.5°	54.8	54.0	53.2	51.6	49.2	47.6	46.7	45.1	45.1	45.1	45.9
35°	44.3	43.5	43.5	44.3	44.3	43.5	43.5	41.9	41.9	41.9	41.9
37.5°	41.1	40.3	40.3	39.5	40.3	41.1	40.3	39.5	39.5	38.7	38.7
40°	38.7	38.7	37.8	37.0	37.0	38.7	37.8	37.0	36.3	36.3	36.3
42.5°	37.0	36.3	36.3	35.5	35.5	35.5	34.7	33.9	33.0	33.0	33.0
45°	35.5	35.5	34.7	33.9	33.0	33.0	31.4	30.6	30.6	30.6	31.4
47.5°	34.7	33.9	33.9	33.0	32.2	30.6	29.9	29.1	29.1	29.1	29.1
50°	33.9	33.0	32.2	32.2	30.6	29.9	29.1	28.2	28.2	28.2	28.2
52.5°	33.0	32.2	31.4	30.6	29.9	29.1	28.2	27.4	27.4	27.4	27.4
55°	31.4	30.6	30.6	29.9	29.9	29.1	28.2	27.4	27.4	27.4	26.6
57.5°	30.6	29.9	29.1	29.1	29.1	28.2	27.4	26.6	26.6	26.6	26.6
60°	29.9	29.1	29.1	28.2	28.2	27.4	27.4	26.6	25.8	25.8	25.0
62.5°	29.1	28.2	28.2	27.4	28.2	27.4	26.6	25.8	25.0	25.0	24.1
65°	28.2	27.4	27.4	27.4	26.6	26.6	25.8	24.1	24.1	24.1	23.3
67.5°	26.6	25.8	25.8	26.6	25.8	25.0	25.0	23.3	23.3	22.6	22.6
70°	24.1	24.1	24.1	25.0	24.1	23.3	23.3	22.6	21.8	21.0	21.0
72.5°	22.6	21.8	22.6	22.6	22.6	21.8	22.6	21.0	20.2	19.3	19.3
75°	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	18.5	17.7	16.9
77.5°	15.3	16.2	16.2	16.2	16.2	16.9	16.2	16.2	16.2	15.3	14.5
80°	11.3	11.3	12.1	12.9	12.1	12.9	12.1	12.9	12.1	12.1	12.1
82.5°	6.4	6.4	7.3	8.1	8.1	8.9	7.3	8.1	8.1	8.9	8.1
85°	2.5	2.5	2.5	2.5	3.3	3.3	2.5	3.3	3.3	4.0	4.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	240°	242.5°	245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°
0°	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3
2.5°	469.0	469.0	459.4	461.0	462.6	465.9	464.2	463.4	462.6	467.5	469.8
5°	368.4	367.5	355.4	354.7	357.0	357.8	355.4	351.4	348.9	349.7	352.2
7.5°	267.6	265.1	253.9	252.3	251.4	252.3	249.8	245.8	242.5	243.4	245.8
10°	187.0	180.6	178.9	179.7	181.4	182.9	182.9	182.9	183.7	188.6	194.3
12.5°	135.4	133.0	134.6	136.2	139.4	141.9	144.2	145.1	145.9	152.3	157.1
15°	107.2	107.2	108.8	109.6	111.2	112.8	114.5	114.5	115.3	117.6	121.7
17.5°	92.7	92.7	92.7	92.7	92.7	91.9	91.0	89.5	88.7	87.9	88.7
20°	85.4	84.6	83.0	82.2	80.6	79.0	78.2	75.8	75.0	72.5	71.7
22.5°	73.3	72.5	72.5	72.5	72.5	71.7	70.9	70.1	68.5	66.1	64.4
25°	60.5	60.5	60.5	61.3	61.3	62.1	63.6	63.6	63.6	63.6	61.3
27.5°	54.8	54.8	54.8	54.8	55.6	55.6	56.4	56.4	56.4	57.2	58.0
30°	49.9	50.7	50.7	51.6	51.6	52.4	52.4	53.2	53.2	54.0	54.0
32.5°	45.9	45.9	46.7	47.6	47.6	47.6	49.2	49.2	48.4	49.2	49.2
35°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	39.5	38.7	39.5
37.5°	37.8	37.0	37.0	36.3	35.5	35.5	35.5	36.3	35.5	36.3	36.3
40°	34.7	34.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.7	35.5
42.5°	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	33.0	33.0
45°	30.6	30.6	30.6	30.6	31.4	31.4	31.4	31.4	31.4	31.4	32.2
47.5°	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	30.6	31.4
50°	28.2	28.2	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.9	30.6
52.5°	27.4	27.4	27.4	28.2	28.2	28.2	28.2	28.2	28.2	28.2	29.1
55°	26.6	27.4	27.4	27.4	27.4	27.4	26.6	26.6	26.6	26.6	27.4
57.5°	25.8	25.8	26.6	26.6	26.6	25.8	25.8	25.0	25.0	25.0	26.6
60°	25.0	25.0	25.0	25.0	25.0	24.1	24.1	24.1	24.1	25.0	25.0
62.5°	24.1	24.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
65°	23.3	23.3	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
67.5°	21.8	21.8	21.8	21.0	21.0	21.0	21.0	21.8	21.0	21.0	21.0
70°	20.2	20.2	20.2	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
72.5°	18.5	18.5	18.5	18.5	17.7	17.7	17.7	17.7	17.7	17.7	17.7
75°	16.9	16.2	16.2	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
77.5°	14.5	13.7	13.7	13.7	12.9	12.9	12.9	12.9	12.9	12.9	12.9
80°	12.1	11.3	11.3	10.4	10.4	10.4	10.4	10.4	10.4	9.7	9.7
82.5°	8.9	8.1	8.1	8.1	8.1	7.3	7.3	7.3	7.3	6.4	5.6
85°	4.0	4.0	3.3	4.0	4.0	4.8	4.0	4.0	4.0	3.3	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°	302.5°	
0°	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	0°
2.5°	468.2	476.3	477.1	472.3	481.9	483.5	481.2	481.2	482.7	489.2	489.2	2.5°
5°	348.9	359.5	358.6	352.2	365.1	369.1	366.7	367.5	370.7	378.0	382.0	5°
7.5°	246.6	255.5	254.7	253.9	262.0	265.1	266.8	269.1	278.9	279.7	284.5	7.5°
10°	199.9	208.0	210.3	215.9	218.4	223.2	226.5	230.5	238.6	242.5	248.3	10°
12.5°	162.0	171.7	174.1	180.6	183.7	189.3	192.6	200.7	205.5	210.3	217.6	12.5°
15°	124.9	133.0	135.4	140.2	143.4	149.9	153.1	157.9	167.7	172.5	182.2	15°
17.5°	91.9	96.7	98.3	101.6	103.9	106.4	112.8	120.9	126.5	134.6	139.4	17.5°
20°	71.7	73.3	74.2	75.0	76.5	78.2	81.4	87.1	90.2	96.7	101.6	20°
22.5°	64.4	65.3	65.3	66.1	66.1	66.9	68.5	70.1	71.7	74.2	76.5	22.5°
25°	59.6	60.5	60.5	61.3	61.3	62.1	62.9	63.6	65.3	66.1	66.9	25°
27.5°	57.2	57.2	57.2	57.2	58.0	58.0	58.8	60.5	60.5	62.1	62.9	27.5°
30°	54.8	54.8	54.8	55.6	56.4	58.0	59.6	62.1	62.9	64.4	65.3	30°
32.5°	50.7	49.2	50.7	49.9	48.4	48.4	49.2	50.7	50.7	51.6	52.4	32.5°
35°	39.5	39.5	40.3	41.1	41.1	41.9	42.8	43.5	44.3	45.9	46.7	35°
37.5°	37.0	37.8	37.8	38.7	39.5	39.5	40.3	41.9	42.8	43.5	44.3	37.5°
40°	35.5	36.3	37.0	37.8	37.8	38.7	39.5	40.3	41.1	42.8	43.5	40°
42.5°	33.9	35.5	35.5	36.3	37.0	37.8	38.7	39.5	41.1	41.9	42.8	42.5°
45°	33.0	33.9	34.7	35.5	36.3	37.0	37.8	39.5	40.3	41.9	42.8	45°
47.5°	32.2	33.0	33.9	34.7	35.5	36.3	37.0	38.7	40.3	41.9	43.5	47.5°
50°	30.6	32.2	33.0	33.9	34.7	35.5	37.0	38.7	40.3	42.8	46.7	50°
52.5°	29.9	31.4	31.4	33.0	33.9	35.5	37.0	38.7	41.1	44.3	48.4	52.5°
55°	28.2	29.9	29.9	31.4	33.0	34.7	35.5	37.8	40.3	43.5	44.3	55°
57.5°	26.6	28.2	29.1	29.9	31.4	33.0	33.9	36.3	39.5	40.3	39.5	57.5°
60°	25.8	26.6	27.4	28.2	29.9	30.6	33.0	37.8	41.1	37.8	33.9	60°
62.5°	24.1	25.8	26.6	27.4	29.1	29.9	31.4	34.7	35.5	31.4	30.6	62.5°
65°	23.3	25.0	25.0	26.6	27.4	27.4	28.2	28.2	28.2	28.2	28.2	65°
67.5°	21.8	23.3	23.3	24.1	25.0	25.0	25.8	25.8	25.8	25.8	25.8	67.5°
70°	20.2	21.0	21.8	22.6	22.6	22.6	23.3	23.3	23.3	24.1	24.1	70°
72.5°	18.5	19.3	19.3	20.2	20.2	21.0	21.0	21.8	21.8	21.8	22.6	72.5°
75°	15.3	16.2	16.9	17.7	17.7	18.5	18.5	18.5	18.5	19.3	19.3	75°
77.5°	12.9	12.9	14.5	14.5	15.3	15.3	16.2	16.2	16.2	16.2	16.2	77.5°
80°	9.7	9.7	10.4	11.3	12.1	12.1	12.1	12.1	12.1	12.1	12.1	80°
82.5°	5.6	5.6	6.4	6.4	7.3	7.3	8.1	7.3	7.3	6.4	6.4	82.5°
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.0	0.0	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°

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REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	335°	345°		355°
563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	0°	563.3
501.2	501.2	502.9	509.3	511.0	515.0	514.2	521.4	524.7	544.0	564.2	2.5°	583.5
396.5	399.8	404.6	412.7	417.5	426.4	424.7	439.3	441.6	477.1	511.8	5°	552.1
295.7	300.6	304.6	313.5	320.8	329.6	332.0	348.9	353.8	400.6	448.9	7.5°	504.5
256.2	260.3	266.0	271.6	278.9	282.8	289.3	297.4	303.0	337.7	393.3	10°	457.0
228.1	233.7	239.4	247.5	254.7	262.0	268.4	276.4	283.7	311.9	355.4	12.5°	428.7
193.4	199.9	206.3	215.2	225.7	232.9	240.2	249.0	257.9	292.6	343.3	15°	417.5
149.9	157.1	166.0	178.1	189.3	198.2	205.5	217.6	228.9	270.8	337.7	17.5°	428.7
110.4	116.8	124.9	135.4	143.4	158.8	166.8	181.4	195.1	247.5	329.6	20°	450.5
81.4	85.4	91.9	99.9	108.8	122.5	131.3	144.2	159.6	225.7	329.6	22.5°	487.6
68.5	70.1	72.5	77.3	83.0	92.7	101.6	114.5	129.7	206.3	338.5	25°	548.0
63.6	64.4	66.1	68.5	71.7	76.5	83.0	93.5	108.8	191.0	351.4	27.5°	612.5
66.9	66.9	66.9	67.7	69.4	71.7	75.0	81.4	91.0	168.5	360.3	30°	668.9
54.0	54.8	54.8	56.4	57.2	60.5	63.6	68.5	77.3	154.8	365.9	32.5°	709.2
48.4	49.2	49.9	50.7	52.4	53.2	56.4	62.1	70.9	145.9	365.1	35°	756.8
45.9	46.7	47.6	47.6	48.4	49.9	52.4	58.0	68.5	142.7	365.1	37.5°	811.6
45.1	45.1	45.1	45.1	46.7	48.4	52.4	58.0	66.9	139.4	367.5	40°	872.1
43.5	43.5	43.5	44.3	46.7	49.9	51.6	54.8	62.1	137.8	371.5	42.5°	926.8
43.5	43.5	44.3	47.6	48.4	48.4	49.2	51.6	58.8	137.8	379.6	45°	969.6
45.1	46.7	47.6	46.7	45.9	45.9	45.9	49.2	56.4	140.2	394.9	47.5°	1018.8
49.2	48.4	45.1	44.3	44.3	42.8	43.5	46.7	55.6	140.2	426.4	50°	1086.4
48.4	45.1	44.3	42.8	41.1	40.3	41.1	45.9	54.8	138.6	471.5	52.5°	1185.5
43.5	42.8	40.3	38.7	37.8	38.7	40.3	44.3	53.2	137.0	527.1	55°	1305.6
37.8	37.0	35.5	35.5	36.3	37.0	39.5	42.8	49.2	133.0	571.4	57.5°	1416.1
33.0	33.0	33.0	33.9	34.7	35.5	37.8	40.3	45.1	125.7	601.2	60°	1487.0
29.9	30.6	30.6	32.2	33.0	33.9	35.5	37.8	41.1	117.6	607.6	62.5°	1487.8
28.2	29.1	29.9	29.9	30.6	31.4	33.9	36.3	41.1	111.2	568.1	65°	1429.0
26.6	26.6	27.4	28.2	29.1	29.9	31.4	35.5	41.9	105.6	481.9	67.5°	1279.8
24.1	25.0	25.8	26.6	26.6	27.4	29.9	35.5	42.8	103.1	382.8	70°	1080.7
22.6	22.6	23.3	24.1	24.1	25.8	28.2	34.7	43.5	99.1	288.6	72.5°	843.0
19.3	20.2	20.2	20.2	21.0	22.6	25.8	31.4	37.8	82.2	195.1	75°	571.4
16.9	16.2	16.9	16.9	17.7	18.5	21.0	24.1	28.2	52.4	103.1	77.5°	363.5
12.1	11.3	11.3	12.1	12.1	12.1	13.7	14.5	16.2	32.2	57.2	80°	214.4
6.4	5.6	6.4	5.6	5.6	6.4	6.4	8.1	8.1	15.3	25.8	82.5°	133.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.6	85°	54.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5°	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°	0.0

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**TION (continued):**

359°	360°
563.3	563.3
593.2	598.0
572.2	578.7
527.1	535.9
485.2	494.1
462.6	467.5
452.1	461.8
467.5	477.1
498.1	513.4
552.1	571.4
637.5	654.4
705.2	731.8
768.0	789.8
818.1	843.0
875.2	899.4
944.6	977.6
1016.3	1053.3
1083.2	1124.3
1146.0	1178.2
1194.4	1230.7
1255.7	1298.3
1359.6	1390.3
1485.3	1520.0
1602.2	1632.0
1656.2	1681.2
1657.8	1689.2
1622.4	1657.8
1532.1	1586.9
1354.8	1416.1
1064.7	1134.8
706.9	768.0
407.9	428.0
241.0	251.4
143.4	154.0
38.7	41.9
0.0	0.0
0.0	0.0

(END OF REPORT)