

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: P594367

Luminaire Tested: **ISC-PA1F-727-U-T3**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P594367  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/22/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: ISC-PA1F-727-U-T3  
Description: IMPACT ELITE LED CYLINDER LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9591 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

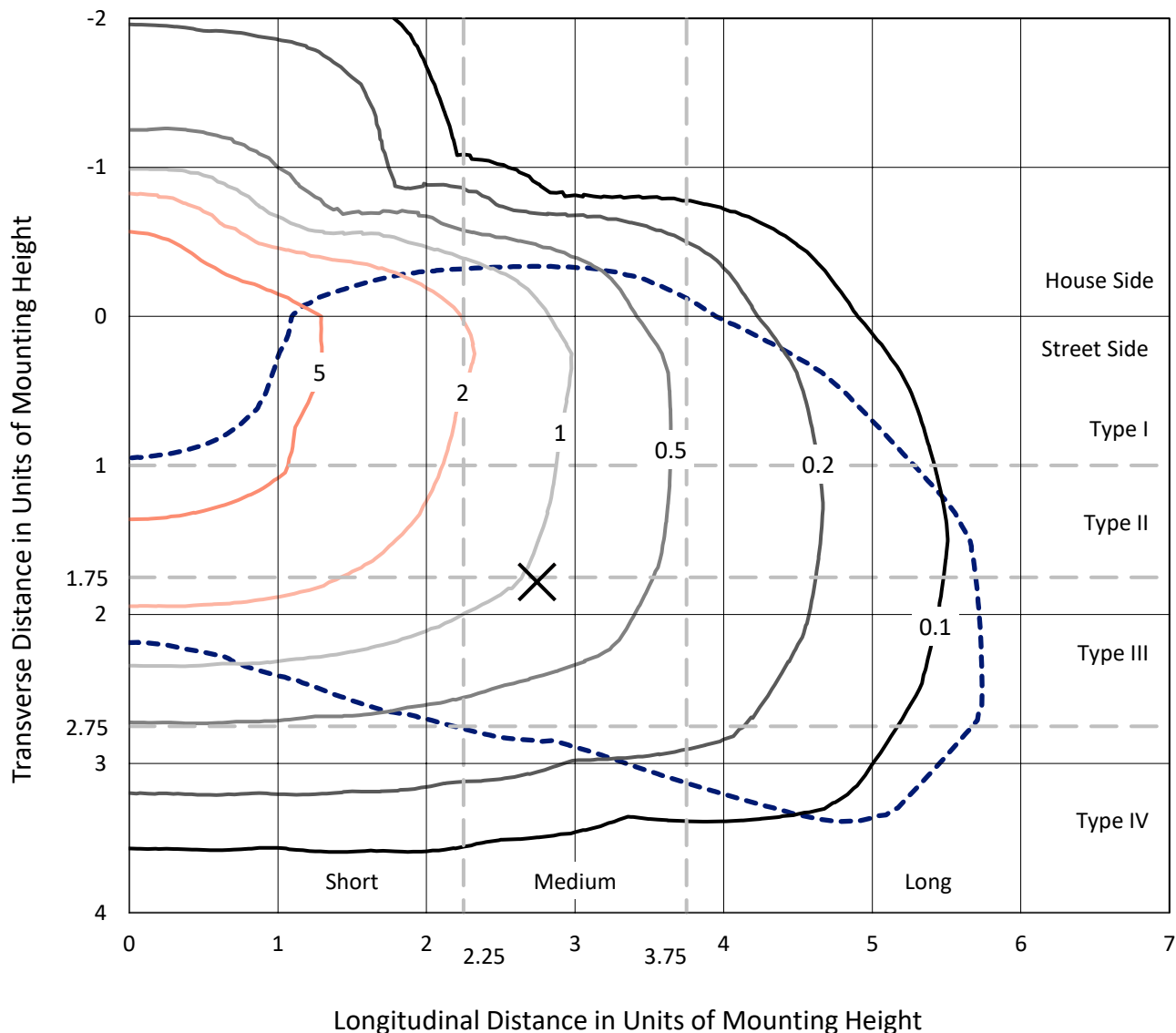
Input Watts (W): 94.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P594367  
 CATALOG NUMBER: ISC-PA1F-727-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

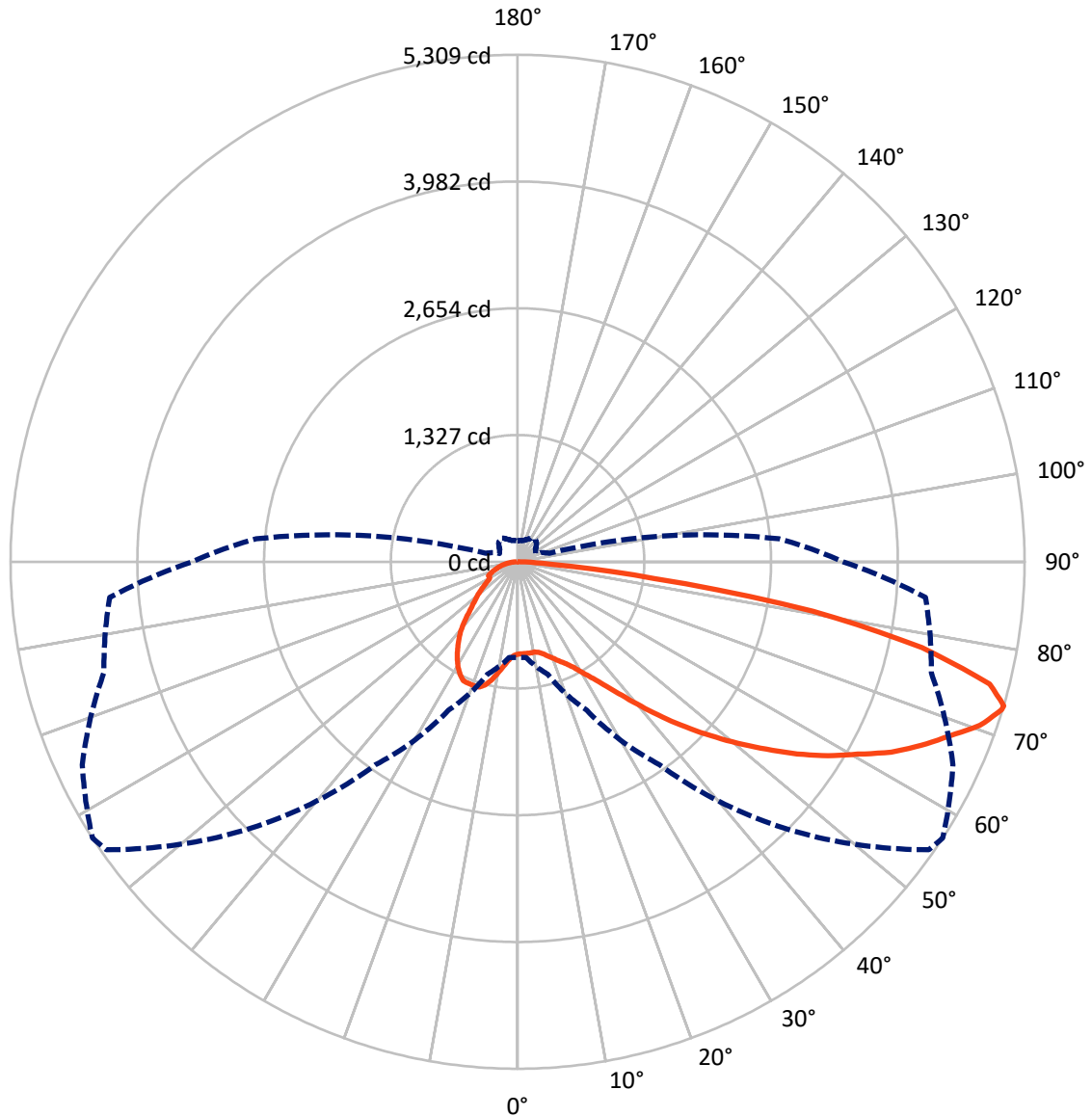
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 8.2 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P594367  
CATALOG NUMBER: ISC-PA1F-727-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 73-Deg Vertical

REPORT NUMBER: P594367  
 CATALOG NUMBER: ISC-PA1F-727-U-T3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2288.1	0.0	2288.1
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	7302.9	0.0	7302.9
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	9591.0	0.0	9591.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.4	1.0
10°-20°	317.3	3.3
20°-30°	585.7	6.1
30°-40°	904.5	9.4
40°-50°	1361.4	14.2
50°-60°	1992.6	20.8
60°-70°	2353.1	24.5
70°-80°	1684.7	17.6
80°-90°	295.2	3.1
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°	9591.0	100.0
0°-180°	9591.0	100.0

**Coefficient of Utilization**

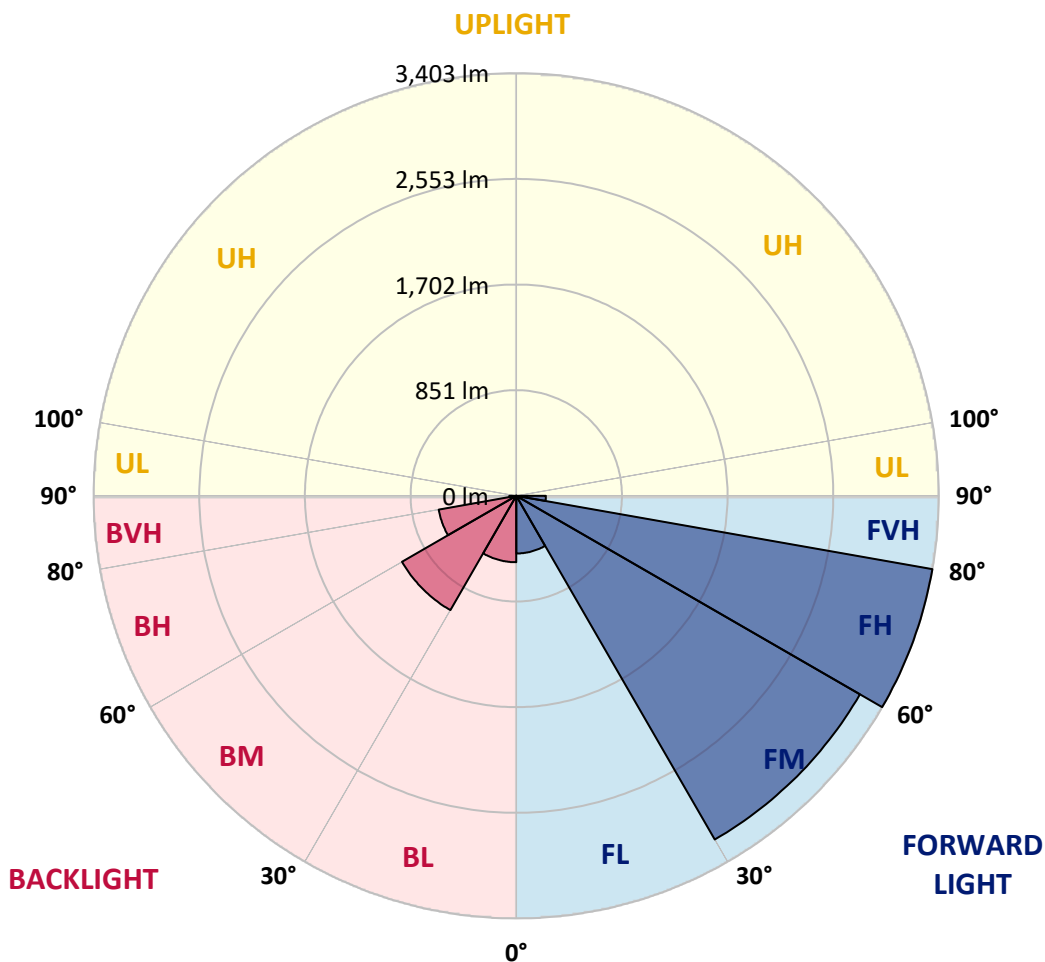


REPORT NUMBER: P594367  
 CATALOG NUMBER: ISC-PA1F-727-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	464.7	4.8			
FM (30°-60°)	3196.0	33.3			
FH (60°-80°)	3403.4	35.5			G2/5000
FVH (80°-90°)	238.8	2.5			G3/500
BL (0°-30°)	534.7	5.6	B2/1000		
BM (30°-60°)	1062.6	11.1	B2/2500		
BH (60°-80°)	634.4	6.6	B2/1000		G2/1000
BVH (80°-90°)	56.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type IV Medium





REPORT NUMBER: P594367  
 CATALOG NUMBER: ISC-PA1F-727-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3
2.5°	954.5	959.2	956.9	959.2	966.3	961.6	961.6	963.9	966.3	963.9	968.6
5°	914.6	916.9	921.6	931.0	947.5	952.2	963.9	963.9	968.6	973.4	980.4
7.5°	848.7	853.4	862.8	872.3	900.5	928.7	959.2	963.9	980.4	992.2	996.9
10°	837.0	841.7	844.0	858.1	886.4	914.6	952.2	961.6	992.2	1011.0	1032.1
12.5°	825.2	829.9	837.0	855.8	891.1	921.6	961.6	971.0	1008.6	1046.2	1072.1
15°	834.6	837.0	844.0	862.8	898.1	940.4	992.2	999.2	1041.5	1088.6	1128.5
17.5°	858.1	860.5	858.1	874.6	907.5	956.9	1027.4	1039.2	1090.9	1137.9	1177.9
20°	912.2	914.6	905.2	905.2	928.7	978.1	1065.0	1081.5	1145.0	1196.7	1236.7
22.5°	1029.8	1025.1	1001.6	971.0	971.0	1011.0	1107.4	1130.9	1210.8	1253.1	1288.4
25°	1196.7	1196.7	1159.1	1102.7	1065.0	1060.3	1156.7	1182.6	1276.6	1328.4	1349.5
27.5°	1398.9	1401.2	1340.1	1264.9	1192.0	1156.7	1227.3	1253.1	1358.9	1413.0	1420.1
30°	1577.6	1579.9	1518.8	1448.3	1358.9	1281.3	1321.3	1349.5	1471.8	1514.1	1490.6
32.5°	1756.3	1758.6	1716.3	1619.9	1525.9	1429.5	1441.2	1457.7	1582.3	1622.3	1584.6
35°	1911.4	1918.5	1876.2	1803.3	1704.5	1617.5	1596.4	1598.7	1711.6	1737.5	1688.1
37.5°	2069.0	2069.0	2043.1	1974.9	1890.3	1793.9	1765.7	1772.7	1873.8	1899.7	1829.1
40°	2268.8	2278.2	2264.1	2179.5	2083.1	2003.1	1974.9	1984.3	2094.8	2080.7	2005.5
42.5°	2511.0	2532.1	2508.6	2416.9	2313.5	2224.1	2224.1	2224.1	2318.2	2320.5	2207.7
45°	2821.3	2821.3	2797.8	2717.9	2581.5	2492.2	2461.6	2468.6	2550.9	2560.3	2428.7
47.5°	3079.9	3103.4	3077.6	3018.8	2910.6	2826.0	2729.6	2717.9	2786.0	2786.0	2673.2
50°	3289.2	3331.5	3310.3	3336.2	3258.6	3216.3	3018.8	2985.9	3009.4	3032.9	2908.3
52.5°	3463.2	3496.1	3489.0	3564.3	3601.9	3625.4	3312.7	3261.0	3279.8	3277.4	3164.6
55°	3474.9	3486.7	3592.5	3761.7	3909.9	4020.4	3608.9	3552.5	3533.7	3524.3	3437.3
57.5°	3406.7	3413.8	3625.4	3825.2	4147.3	4274.3	3888.7	3832.3	3806.4	3773.5	3738.2
60°	3242.2	3277.4	3554.8	3862.8	4288.4	4471.8	4149.7	4090.9	4072.1	4001.6	4081.5
62.5°	3032.9	3049.4	3326.8	3785.3	4307.2	4556.4	4424.7	4389.5	4330.7	4229.6	4387.1
65°	2736.7	2734.3	2978.8	3557.2	4210.8	4598.7	4657.5	4638.7	4565.8	4391.8	4659.9
67.5°	2247.6	2301.7	2541.5	3152.8	3978.0	4641.0	4895.0	4871.5	4756.3	4537.6	4789.2
70°	1713.9	1746.9	2019.6	2546.2	3514.9	4525.8	5127.7	5134.8	4925.5	4568.2	4732.7
72.5°	1093.3	1149.7	1366.0	1855.0	2814.3	4097.9	5266.4	5299.4	5019.6	4525.8	4382.4
73°	1001.6	1006.3	1217.9	1716.3	2595.6	3945.1	5257.0	5308.8	5029.0	4483.5	4286.0
75°	597.2	623.0	750.0	1140.3	1852.7	3169.3	5003.1	5106.6	4979.6	4295.4	3757.0
77.5°	279.8	298.6	369.1	601.9	1008.6	1906.7	4206.1	4328.4	4413.0	3759.4	2863.6
80°	148.1	150.5	181.0	303.3	540.8	785.3	2931.8	3134.0	3253.9	2830.7	1925.5
82.5°	124.6	124.6	141.1	195.1	345.6	305.6	1208.5	1438.9	1763.3	1394.2	757.1
85°	101.1	103.4	141.1	145.8	246.9	157.5	289.2	362.1	684.2	616.0	84.6
87.5°	32.9	37.6	79.9	103.4	131.7	61.1	72.9	79.9	79.9	117.6	28.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P594367  
 CATALOG NUMBER: ISC-PA1F-727-U-T3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3
2.5°	971.0	971.0	973.4	975.7	980.4	980.4	985.1	987.5	992.2	994.5	987.5
5°	980.4	985.1	989.8	1003.9	1020.4	1034.5	1048.6	1060.3	1072.1	1079.1	1076.8
7.5°	1006.3	1013.3	1032.1	1058.0	1090.9	1112.1	1133.2	1154.4	1163.8	1168.5	1168.5
10°	1041.5	1055.6	1090.9	1133.2	1170.8	1203.8	1220.2	1234.3	1239.0	1243.7	1239.0
12.5°	1090.9	1109.7	1163.8	1217.9	1260.2	1276.6	1274.3	1255.5	1229.6	1224.9	1220.2
15°	1154.4	1177.9	1239.0	1302.5	1335.4	1314.3	1260.2	1241.4	1236.7	1250.8	1246.1
17.5°	1208.5	1236.7	1311.9	1377.7	1370.7	1297.8	1281.3	1290.7	1286.0	1288.4	1288.4
20°	1260.2	1300.2	1380.1	1424.8	1363.6	1316.6	1302.5	1290.7	1276.6	1281.3	1276.6
22.5°	1326.0	1354.2	1445.9	1448.3	1354.2	1316.6	1286.0	1262.5	1257.8	1260.2	1262.5
25°	1377.7	1422.4	1502.3	1431.8	1354.2	1279.0	1236.7	1232.0	1234.3	1248.4	1243.7
27.5°	1448.3	1492.9	1547.0	1422.4	1297.8	1217.9	1201.4	1199.1	1182.6	1187.3	1187.3
30°	1514.1	1568.2	1570.5	1422.4	1227.3	1166.1	1142.6	1100.3	1065.0	1072.1	1069.7
32.5°	1603.4	1650.5	1575.2	1366.0	1147.3	1098.0	1034.5	968.6	952.2	961.6	963.9
35°	1706.9	1744.5	1579.9	1271.9	1067.4	1001.6	886.4	848.7	846.4	853.4	860.5
37.5°	1843.3	1864.4	1615.2	1163.8	989.8	851.1	761.8	752.3	731.2	717.1	719.4
40°	2010.2	1984.3	1683.4	1067.4	898.1	714.7	677.1	651.3	611.3	571.3	578.4
42.5°	2195.9	2123.0	1704.5	989.8	773.5	630.1	594.8	554.9	505.5	463.2	460.8
45°	2395.8	2278.2	1685.7	928.7	648.9	566.6	529.0	482.0	423.2	387.9	387.9
47.5°	2633.2	2426.3	1627.0	879.3	561.9	510.2	463.2	416.1	376.2	343.3	343.3
50°	2894.2	2598.0	1584.6	792.3	500.8	456.1	409.1	371.5	340.9	315.0	315.0
52.5°	3169.3	2760.2	1549.4	665.4	446.7	406.7	373.8	343.3	317.4	284.5	279.8
55°	3449.0	2915.3	1565.8	543.1	397.3	371.5	350.3	319.7	310.3	303.3	298.6
57.5°	3740.6	3084.6	1605.8	444.4	355.0	352.7	343.3	364.4	385.6	371.5	364.4
60°	3968.6	3216.3	1610.5	373.8	329.2	371.5	418.5	425.5	369.1	336.2	333.9
62.5°	4149.7	3340.9	1500.0	324.5	336.2	437.3	446.7	376.2	319.7	305.6	305.6
65°	4243.7	3385.6	1206.1	296.2	350.3	418.5	404.4	338.6	298.6	296.2	296.2
67.5°	4196.7	3350.3	844.0	265.7	310.3	362.1	362.1	310.3	275.1	286.8	282.1
70°	3971.0	3176.3	557.2	239.8	272.7	326.8	336.2	289.2	256.3	263.3	256.3
72.5°	3500.8	2866.0	366.8	211.6	235.1	289.2	312.7	265.7	235.1	232.8	225.7
73°	3409.1	2748.4	345.6	206.9	228.1	279.8	305.6	261.0	230.4	223.4	218.7
75°	2891.8	2292.3	261.0	185.7	202.2	251.6	284.5	244.5	211.6	202.2	197.5
77.5°	2106.6	1589.3	195.1	157.5	169.3	218.7	251.6	223.4	188.1	176.3	174.0
80°	1314.3	865.2	145.8	127.0	134.0	183.4	221.0	199.8	162.2	148.1	145.8
82.5°	514.9	282.1	101.1	94.0	98.7	138.7	185.7	174.0	136.4	124.6	117.6
85°	84.6	96.4	65.8	63.5	63.5	98.7	141.1	134.0	91.7	79.9	70.5
87.5°	23.5	44.7	25.9	23.5	23.5	42.3	77.6	61.1	37.6	30.6	28.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)