

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: P269992

Luminaire Tested: **GPC-AF-01-LED-E1-T3R-7027-1200**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P269992  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P40129)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GPC-AF-01-LED-E1-T3R-7027-1200  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6194.1 lumens  
Efficiency: N/A  
Efficacy: 92.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B1 - U0 - G2

Input Watts (W): 67  
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: 25 FT

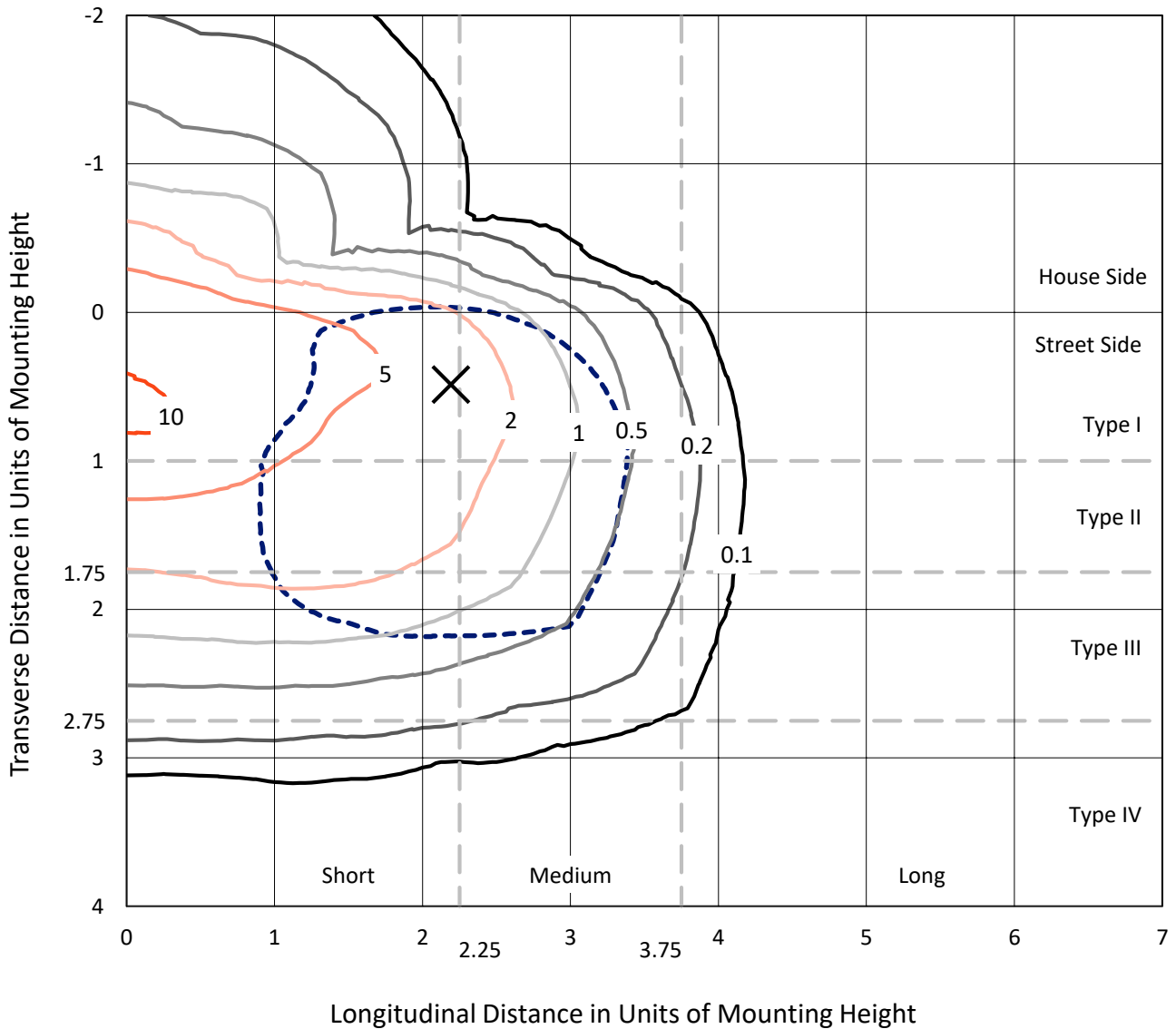


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### Iso-Footcandle Lines of Horizontal Illumination

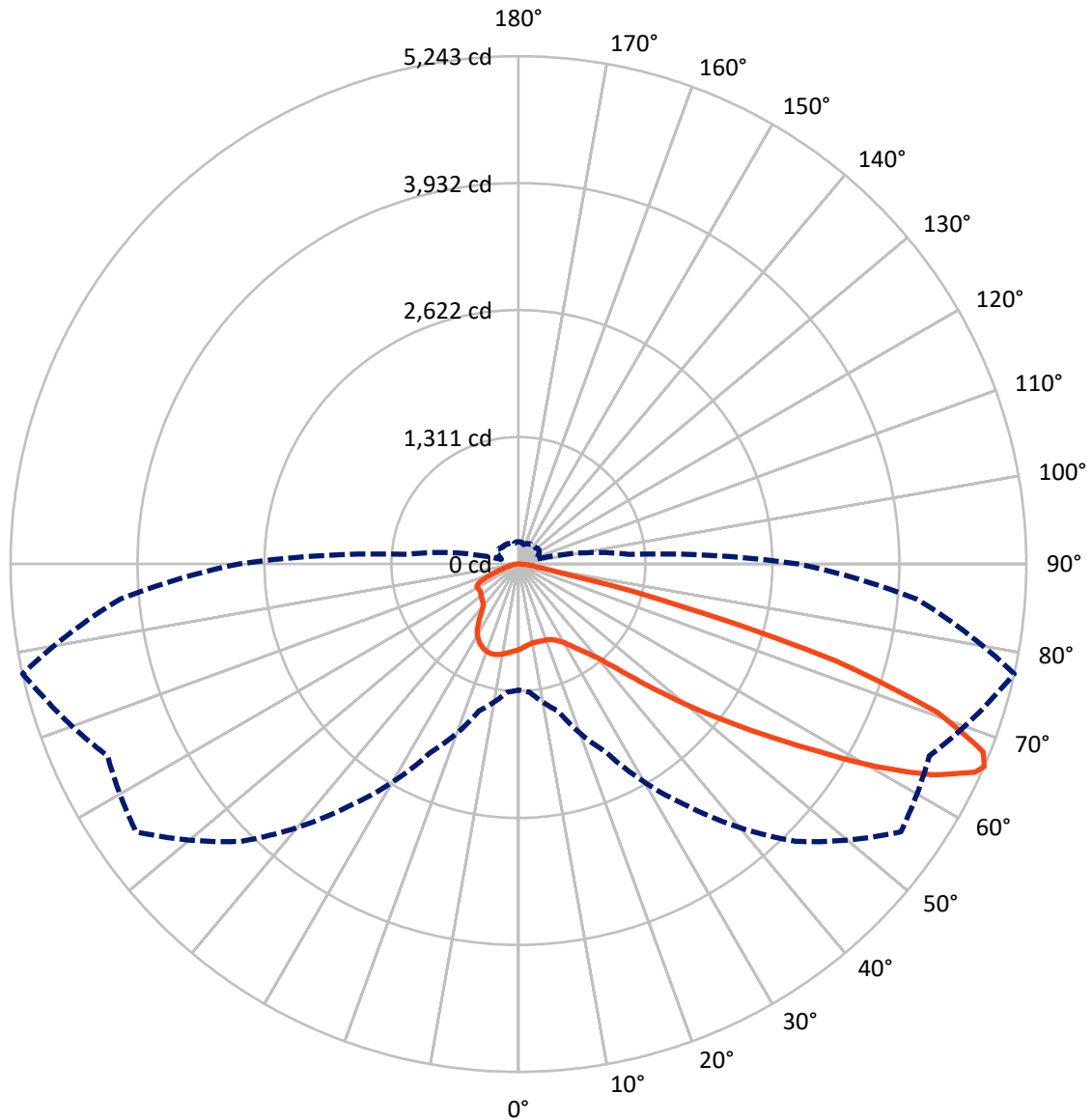
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc  
 Type III - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1058.2	0.0	1058.2
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	5135.9	0.0	5135.9
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	6194.1	0.0	6194.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.9	1.3
10°-20°	222.5	3.6
20°-30°	379.7	6.1
30°-40°	607.8	9.8
40°-50°	939.0	15.2
50°-60°	1331.9	21.5
60°-70°	1781.7	28.8
70°-80°	773.8	12.5
80°-90°	78.9	1.3
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°	6194.1	100.0
0°-180°	6194.1	100.0



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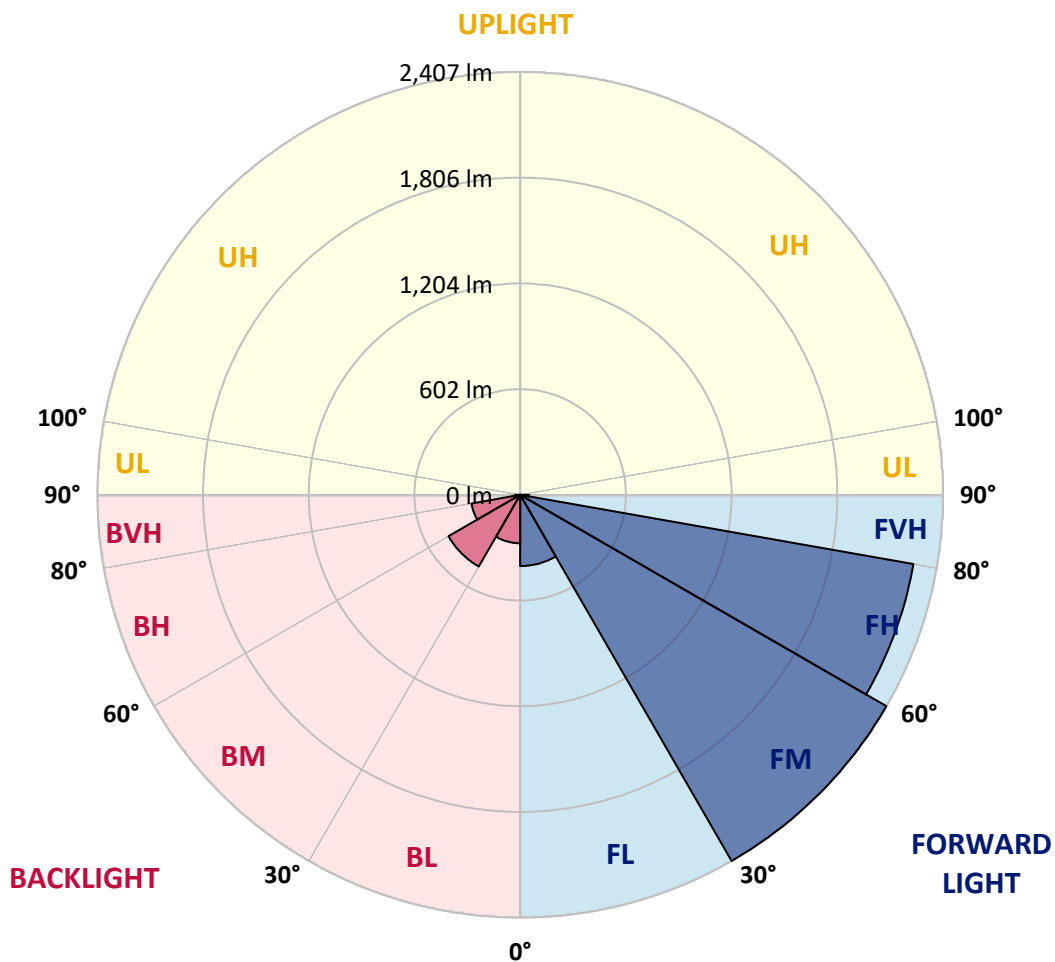
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	405.4	6.5			
FM	(30°-60°)	2407.4	38.9			
FH	(60°-80°)	2273.6	36.7			G2/5000
FVH	(80°-90°)	49.5	0.8			G1/100
BL	(0°-30°)	275.6	4.4	B1/500		
BM	(30°-60°)	471.4	7.6	B1/1000		
BH	(60°-80°)	281.8	4.5	B1/500		G1/500
BVH	(80°-90°)	29.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7
2.5°	780.8	786.0	790.5	794.6	802.7	816.3	831.8	844.3	862.6	866.1	875.7
5°	709.1	709.1	712.6	718.9	730.0	750.2	771.1	799.3	838.7	848.2	874.0
7.5°	674.3	674.5	676.7	682.0	691.5	710.0	733.1	766.3	819.8	835.2	879.3
10°	687.3	684.2	679.8	677.2	678.7	689.4	711.5	748.4	808.0	828.0	890.8
12.5°	759.2	753.6	738.3	718.3	698.9	690.9	703.9	739.8	803.1	826.3	906.4
15°	876.8	874.5	846.2	804.3	757.5	718.3	709.4	736.6	803.7	828.2	924.9
17.5°	1024.3	1021.2	983.6	922.7	846.5	769.9	729.1	739.2	805.7	831.8	942.7
20°	1173.4	1163.3	1123.1	1050.4	952.4	840.5	761.6	746.0	808.4	835.6	961.5
22.5°	1284.5	1276.3	1240.0	1169.6	1056.5	922.2	805.2	757.7	816.9	846.7	984.5
25°	1382.3	1382.9	1346.9	1278.6	1161.9	1008.8	861.4	789.0	838.5	869.5	1016.2
27.5°	1503.1	1496.1	1462.5	1394.9	1266.2	1096.3	929.2	832.1	870.6	902.0	1057.8
30°	1647.8	1642.8	1603.8	1527.2	1381.8	1190.3	1006.8	882.1	912.3	944.7	1112.1
32.5°	1817.8	1815.5	1775.1	1676.3	1515.1	1300.9	1097.8	948.3	974.3	1008.0	1190.3
35°	2017.4	2017.7	1970.0	1851.4	1661.1	1429.7	1201.2	1033.4	1049.8	1085.0	1283.4
37.5°	2140.3	2155.3	2137.3	2016.4	1826.6	1573.7	1335.2	1146.3	1135.8	1171.3	1383.2
40°	2166.6	2184.8	2241.4	2179.7	2011.6	1732.3	1453.9	1254.9	1241.7	1285.1	1511.7
42.5°	2129.7	2154.9	2274.4	2317.6	2207.9	1927.9	1613.7	1416.3	1399.6	1457.8	1671.4
45°	2107.9	2126.6	2264.6	2389.3	2378.3	2148.7	1817.2	1618.7	1612.5	1689.1	1855.8
47.5°	2069.8	2086.8	2219.6	2406.0	2478.3	2351.4	2061.6	1866.4	1878.4	1978.4	2063.9
50°	2090.3	2097.3	2169.2	2363.6	2507.3	2499.8	2334.7	2153.1	2194.1	2319.2	2299.5
52.5°	2087.3	2105.4	2163.4	2293.9	2511.1	2591.3	2603.6	2473.0	2559.5	2702.8	2560.9
55°	1687.6	1721.0	2094.7	2276.3	2524.5	2681.1	2843.0	2810.2	2971.1	3138.3	2855.9
57.5°	1611.4	1632.5	1839.6	2313.2	2596.0	2852.7	3109.4	3181.3	3450.6	3644.7	3215.3
60°	1596.5	1622.6	1837.2	2358.3	2740.9	3132.2	3504.2	3630.6	4033.8	4246.4	3632.0
62.5°	1549.9	1578.1	1819.8	2352.5	2946.6	3518.8	4009.6	4108.2	4587.0	4793.6	3980.6
65°	1402.4	1428.8	1679.0	2258.0	3085.3	3931.4	4607.8	4546.1	5023.7	5179.1	4154.4
66°	1301.6	1327.2	1568.1	2146.7	3053.1	4048.5	4819.6	4681.5	5121.4	5243.1	4120.4
67.5°	1116.9	1137.1	1352.7	1897.7	2881.9	4081.3	4997.9	4783.5	5131.7	5174.6	3926.4
70°	705.6	711.5	879.3	1310.0	2181.5	3539.5	4726.6	4530.5	4708.5	4592.0	3291.7
72.5°	306.1	304.0	422.1	666.5	1235.1	2374.9	3823.5	3738.2	3693.6	3427.8	2304.2
75°	170.3	172.7	219.1	309.3	502.0	1166.5	2501.2	2393.4	2020.8	1724.3	1044.8
77.5°	136.7	139.9	181.7	219.5	225.4	406.8	1170.4	952.4	573.4	460.1	290.3
80°	107.9	113.8	158.6	170.9	152.0	167.8	378.1	302.3	226.8	208.0	150.5
82.5°	85.5	89.6	136.2	129.4	106.2	112.9	181.2	176.4	147.5	134.3	87.0
85°	61.4	69.1	111.7	97.5	69.7	76.0	120.4	115.3	84.6	69.1	38.4
87.5°	25.2	32.8	79.1	64.7	38.9	35.5	59.9	56.6	40.2	29.3	19.0
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7
2.5°	881.9	888.9	897.9	903.4	906.4	908.5	911.7	911.4	912.3	912.6	913.8
5°	887.6	899.4	912.6	916.0	916.0	912.9	909.7	904.4	902.3	901.7	902.3
7.5°	902.8	915.7	927.2	923.1	914.4	901.4	884.7	870.1	862.3	859.6	859.0
10°	922.2	937.7	942.4	927.0	901.1	870.1	837.0	813.1	799.3	795.4	794.3
12.5°	945.6	960.3	953.8	921.0	873.3	823.2	777.7	739.2	710.6	701.5	700.9
15°	971.3	982.7	960.3	902.8	831.8	758.0	676.7	610.5	574.7	563.3	562.5
17.5°	995.4	1001.3	956.4	871.3	770.6	651.2	543.1	492.4	480.0	482.8	483.5
20°	1015.9	1015.9	943.6	825.9	674.3	510.3	442.2	441.3	450.1	458.9	460.7
22.5°	1038.4	1025.0	921.0	761.9	537.9	417.6	407.7	415.8	425.8	435.5	436.9
25°	1066.2	1032.2	889.7	664.7	422.9	379.4	383.0	389.9	394.9	401.0	401.8
27.5°	1097.2	1041.7	848.4	530.9	367.0	355.3	358.2	360.6	360.0	362.3	362.9
30°	1134.4	1052.5	791.9	414.9	344.0	334.8	329.6	327.5	327.5	331.4	332.7
32.5°	1184.1	1068.5	710.9	355.5	332.7	320.2	303.2	295.6	298.5	311.4	314.3
35°	1238.9	1085.8	601.1	335.3	330.4	313.5	287.1	273.1	273.4	285.3	289.2
37.5°	1298.6	1107.8	480.9	331.7	335.6	313.8	278.7	259.3	251.3	251.3	252.9
40°	1374.9	1130.2	389.2	334.2	346.8	317.2	274.3	248.6	226.3	226.8	228.0
42.5°	1474.5	1149.7	340.1	339.7	360.3	322.0	274.0	234.2	214.9	228.0	239.9
45°	1585.1	1159.3	318.4	344.8	371.1	324.8	269.2	231.9	216.3	255.5	278.4
47.5°	1712.3	1153.8	306.4	346.6	373.8	324.8	264.0	237.3	226.6	295.9	322.5
50°	1852.0	1137.7	294.7	343.1	372.8	324.3	269.0	242.9	230.3	302.9	321.4
52.5°	2016.2	1124.1	282.4	335.3	366.7	321.1	274.8	240.6	218.4	275.4	288.3
55°	2203.5	1127.9	268.7	324.6	357.0	314.9	272.7	231.3	205.7	242.6	250.5
57.5°	2442.9	1173.4	252.2	310.9	344.0	304.6	265.4	226.8	201.9	220.1	224.8
60°	2710.1	1252.3	231.9	297.1	327.5	288.3	259.9	228.9	203.6	218.4	220.7
62.5°	2906.1	1298.3	214.2	276.9	305.2	270.1	252.9	231.6	208.3	224.4	223.9
65°	2959.5	1222.8	192.2	247.4	275.2	251.0	244.1	234.5	210.5	229.4	226.8
66°	2884.8	1141.3	182.6	233.6	259.9	241.7	239.7	234.2	209.6	230.1	225.7
67.5°	2703.7	974.7	165.9	213.3	235.5	227.7	232.8	231.6	207.1	229.4	223.3
70°	2205.0	664.9	141.9	177.7	196.1	200.5	219.1	222.2	199.7	219.1	205.7
72.5°	1540.7	405.0	125.6	137.8	158.6	170.9	200.9	209.2	189.4	191.3	178.6
75°	744.5	215.1	113.8	106.8	123.2	142.8	178.6	191.7	173.3	160.1	155.3
77.5°	232.1	131.4	96.6	86.1	96.6	115.3	149.3	168.1	154.1	134.0	132.3
80°	124.7	96.6	74.3	69.1	76.4	90.4	117.4	140.1	132.6	120.4	107.3
82.5°	82.3	62.6	55.1	53.5	58.2	69.1	87.2	116.2	116.2	103.0	74.9
85°	42.4	38.4	37.8	37.8	40.7	46.0	59.4	89.6	95.4	54.4	45.0
87.5°	21.1	22.0	20.5	21.4	22.8	22.5	28.3	45.0	53.9	33.1	27.5
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)