

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: P200681

Luminaire Tested: **GPC-AF-01-LED-E1-T3R-8030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200681
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-8030-1200
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 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: 5818 lumens
Efficiency: N/A
Efficacy: 86.8 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

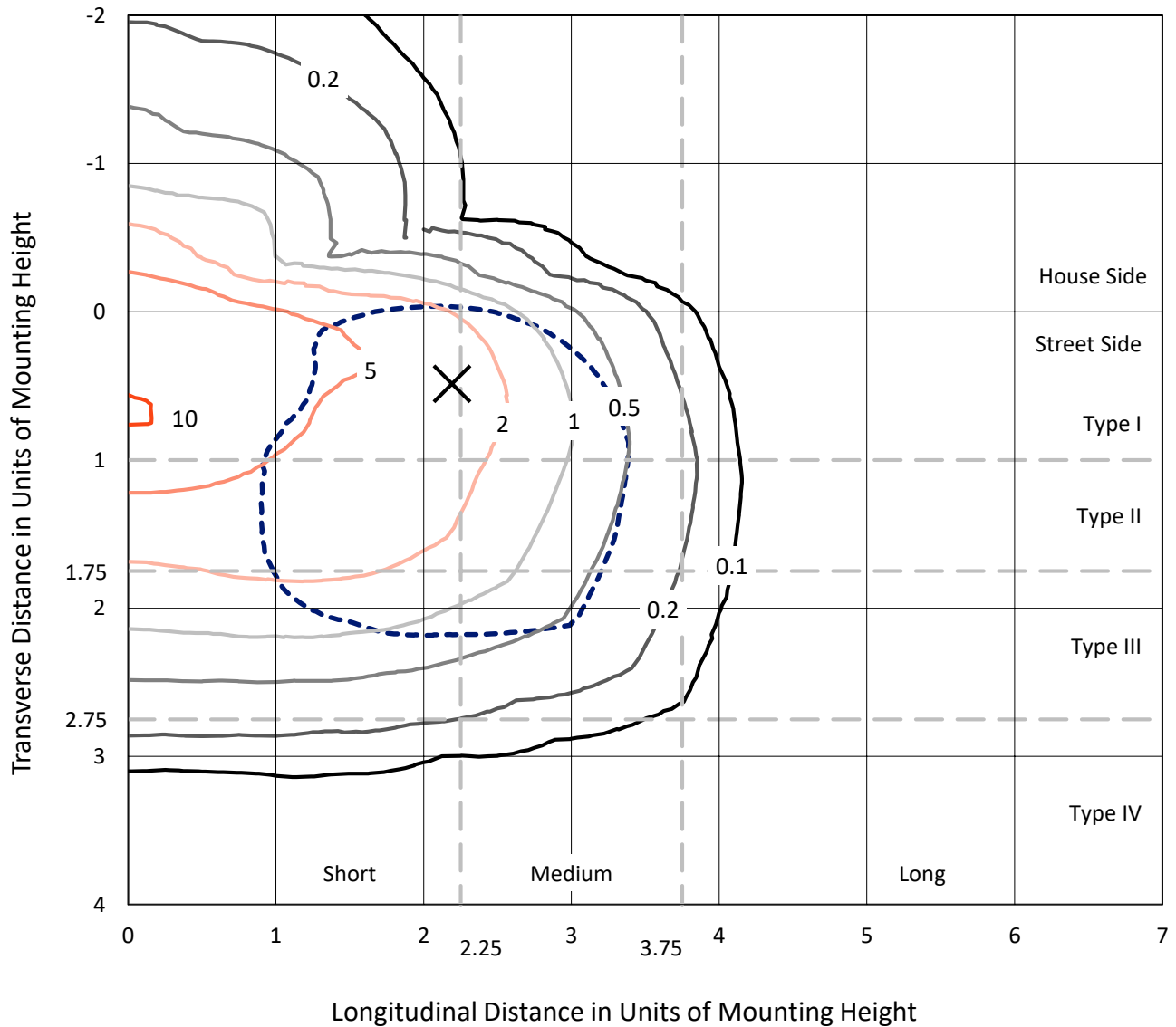
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

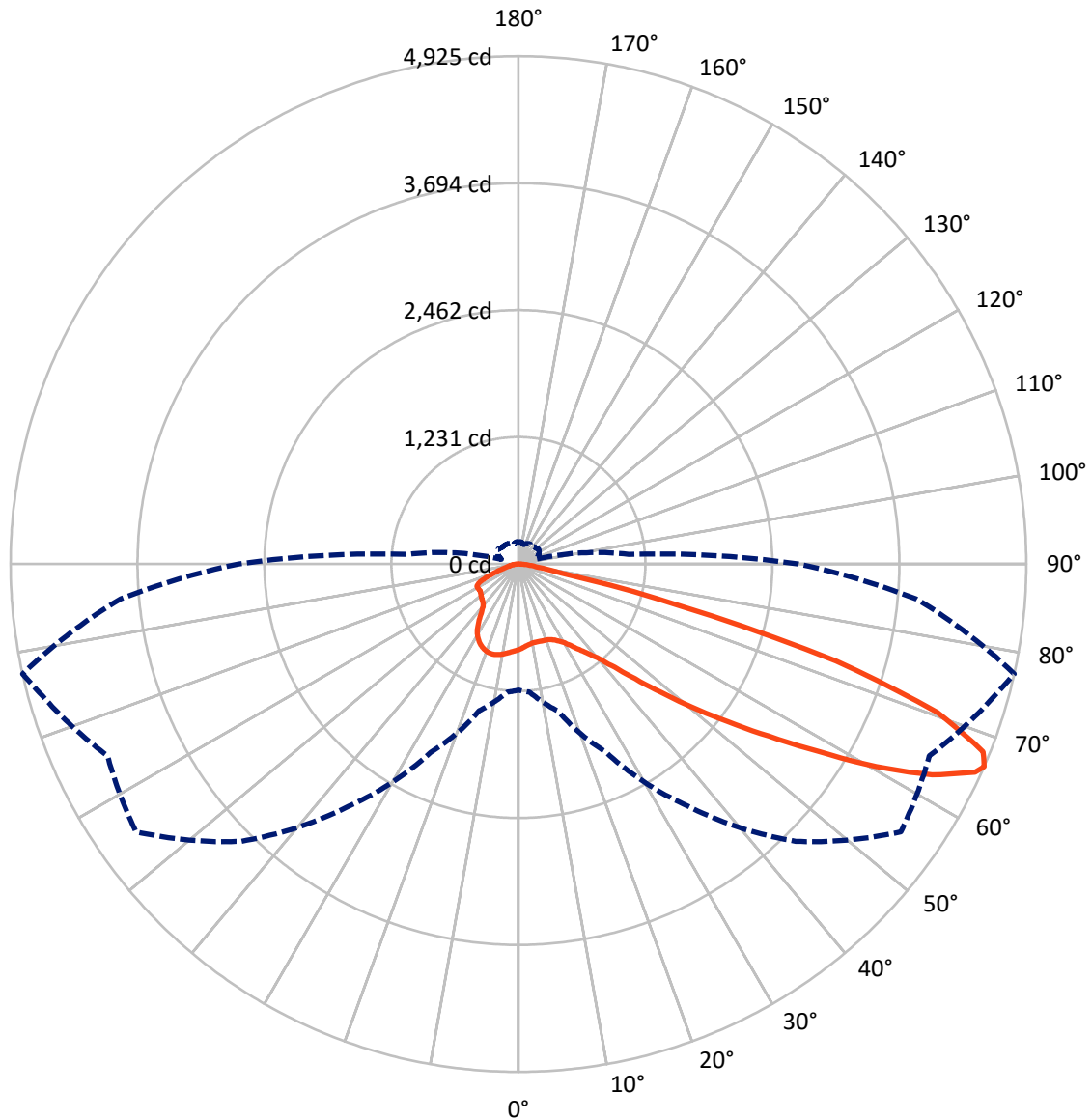
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 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
House Side	Lumens	994.0	0.0	994.0
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	4824.0	0.0	4824.0
	% Fixture	82.9	0.0	82.9
Total	Lumens	5818.0	0.0	5818.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	1.3
10°-20°	209.0	3.6
20°-30°	356.6	6.1
30°-40°	570.9	9.8
40°-50°	882.0	15.2
50°-60°	1251.0	21.5
60°-70°	1673.5	28.8
70°-80°	726.8	12.5
80°-90°	74.1	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°	5818.0	100.0
0°-180°	5818.0	100.0



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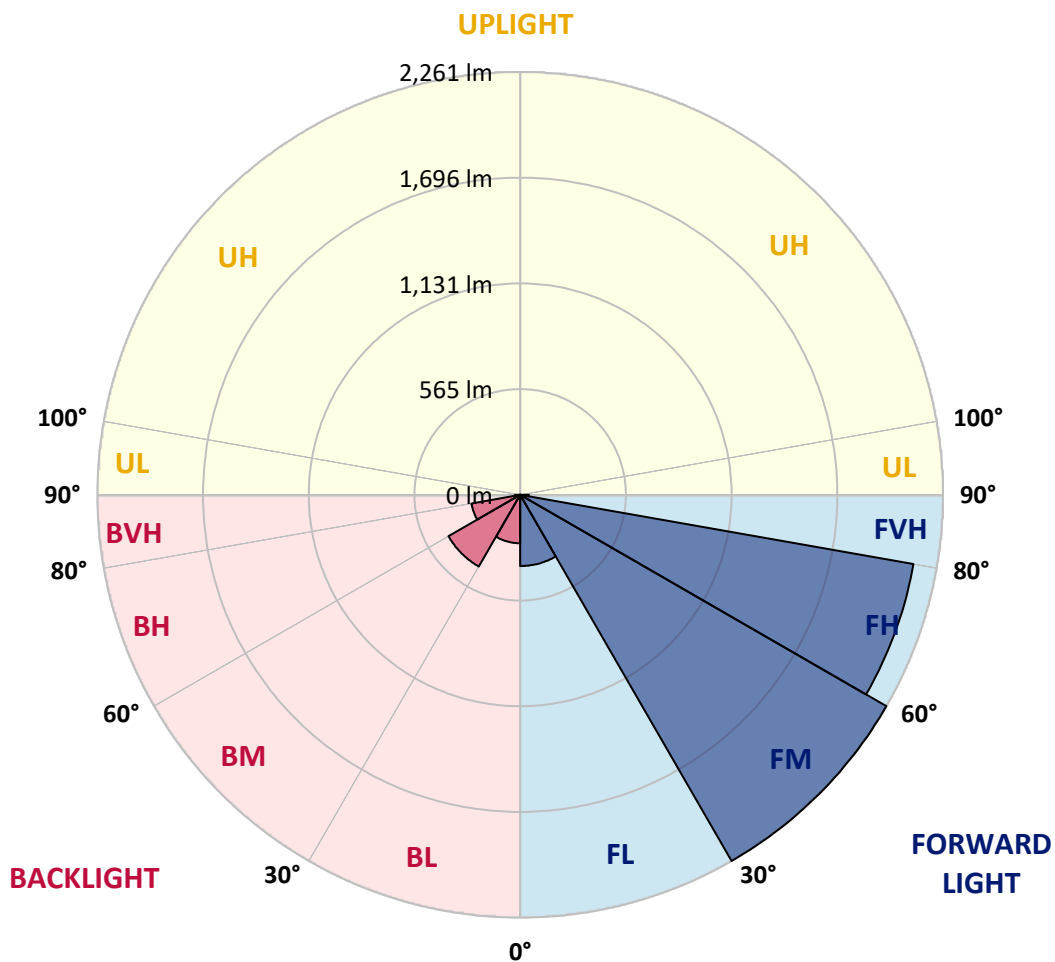
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	380.8	6.5			
FM	(30°-60°)	2261.2	38.9			
FH	(60°-80°)	2135.6	36.7			G2/5000
FVH	(80°-90°)	46.5	0.8			G1/100
BL	(0°-30°)	258.9	4.4	B1/500		
BM	(30°-60°)	442.8	7.6	B1/1000		
BH	(60°-80°)	264.7	4.5	B1/500		G1/500
BVH	(80°-90°)	27.6	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°	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1
2.5°	733.4	738.4	742.5	746.3	754.0	766.7	781.3	793.1	810.1	813.4	822.5
5°	666.1	666.1	669.4	675.1	685.6	704.6	724.4	750.7	787.9	796.7	820.8
7.5°	633.4	633.6	635.6	640.5	649.6	666.9	688.6	719.7	770.0	784.6	825.8
10°	645.5	642.7	638.6	636.1	637.5	647.7	668.3	702.9	759.0	777.7	836.8
12.5°	713.1	707.9	693.6	674.6	656.5	649.0	661.1	694.9	754.3	776.0	851.4
15°	823.6	821.4	794.7	755.4	711.4	674.6	666.4	691.9	754.9	778.0	868.7
17.5°	962.1	959.1	923.9	866.8	795.0	723.3	684.8	694.4	756.8	781.3	885.4
20°	1102.1	1092.7	1054.8	986.6	894.5	789.5	715.3	700.7	759.3	784.8	903.0
22.5°	1206.5	1198.8	1164.7	1098.5	992.4	866.2	756.2	711.7	767.2	795.3	924.8
25°	1298.3	1298.9	1265.1	1201.0	1091.3	947.6	809.0	741.1	787.6	816.7	954.4
27.5°	1411.9	1405.3	1373.7	1310.2	1189.2	1029.8	872.8	781.5	817.8	847.2	993.5
30°	1547.7	1543.0	1506.4	1434.4	1297.8	1118.0	945.6	828.5	856.9	887.4	1044.6
32.5°	1707.4	1705.2	1667.3	1574.6	1423.1	1221.9	1031.1	890.7	915.1	946.7	1118.0
35°	1894.9	1895.1	1850.3	1739.0	1560.3	1342.9	1128.2	970.7	986.1	1019.0	1205.4
37.5°	2010.3	2024.3	2007.6	1894.0	1715.6	1478.1	1254.1	1076.8	1066.9	1100.1	1299.2
40°	2035.1	2052.1	2105.2	2047.4	1889.4	1627.1	1365.7	1178.8	1166.4	1207.1	1419.8
42.5°	2000.4	2024.1	2136.2	2176.9	2073.8	1810.8	1515.8	1330.2	1314.6	1369.3	1569.9
45°	1979.8	1997.4	2127.2	2244.3	2233.8	2018.3	1706.8	1520.5	1514.7	1586.4	1743.1
47.5°	1944.1	1960.0	2084.8	2259.9	2327.8	2208.5	1936.4	1753.0	1764.3	1858.3	1938.6
50°	1963.3	1969.9	2037.5	2220.1	2355.1	2347.9	2192.9	2022.4	2060.9	2178.3	2159.9
52.5°	1960.6	1977.6	2032.0	2154.7	2358.6	2433.9	2445.5	2322.9	2404.0	2538.7	2405.4
55°	1585.1	1616.4	1967.4	2138.2	2371.3	2518.3	2670.4	2639.6	2790.8	2947.7	2682.5
57.5°	1513.6	1533.4	1728.0	2172.8	2438.3	2679.4	2920.5	2988.1	3241.0	3423.3	3020.0
60°	1499.6	1524.0	1725.5	2215.1	2574.4	2942.0	3291.4	3410.1	3788.9	3988.5	3411.5
62.5°	1455.9	1482.3	1709.3	2209.6	2767.7	3305.1	3766.1	3858.7	4308.5	4502.6	3738.9
65°	1317.3	1342.1	1577.1	2120.8	2898.0	3692.7	4328.0	4270.0	4718.6	4864.6	3902.2
66°	1222.5	1246.7	1472.9	2016.4	2867.7	3802.7	4527.0	4397.3	4810.4	4924.8	3870.3
67.5°	1049.0	1068.0	1270.6	1782.4	2706.9	3833.5	4694.4	4492.9	4820.1	4860.5	3688.0
70°	662.8	668.3	825.8	1230.4	2049.1	3324.6	4439.6	4255.4	4422.6	4313.2	3091.8
72.5°	287.5	285.6	396.4	625.9	1160.1	2230.8	3591.3	3511.3	3469.2	3219.6	2164.3
75°	160.0	162.2	205.9	290.6	471.5	1095.7	2349.3	2248.1	1898.2	1619.7	981.4
77.5°	128.4	131.4	170.7	206.2	211.7	382.1	1099.3	894.5	538.5	432.1	272.7
80°	101.4	106.9	149.0	160.5	142.7	157.5	355.2	284.0	213.0	195.5	141.3
82.5°	80.3	84.1	127.8	121.5	99.8	106.1	170.2	165.8	138.5	126.2	81.6
85°	57.7	64.9	105.0	91.5	65.4	71.5	113.0	108.3	79.4	64.9	36.0
87.5°	23.6	30.8	74.2	60.8	36.6	33.3	56.4	53.1	37.7	27.5	17.9
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°	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1
2.5°	828.3	834.9	843.4	848.6	851.4	853.3	856.3	856.0	856.9	857.1	858.2
5°	833.8	844.8	857.1	860.4	860.4	857.4	854.4	849.4	847.5	847.0	847.5
7.5°	848.1	860.2	870.9	867.0	858.8	846.7	831.0	817.3	809.8	807.4	806.8
10°	866.2	880.8	885.2	870.6	846.4	817.3	786.2	763.7	750.7	747.2	746.1
12.5°	888.2	901.9	895.9	865.1	820.3	773.3	730.4	694.4	667.5	658.9	658.4
15°	912.4	923.1	901.9	848.1	781.3	712.0	635.6	573.4	539.9	529.2	528.4
17.5°	934.9	940.4	898.4	818.4	723.8	611.6	510.2	462.4	450.8	453.6	454.1
20°	954.2	954.2	886.3	775.8	633.4	479.4	415.4	414.5	422.8	431.0	432.7
22.5°	975.3	962.7	865.1	715.6	505.3	392.3	382.9	390.6	400.0	409.0	410.4
25°	1001.5	969.6	835.7	624.3	397.2	356.3	359.8	366.2	370.8	376.6	377.4
27.5°	1030.6	978.4	796.9	498.7	344.7	333.7	336.5	338.7	338.1	340.3	340.9
30°	1065.5	988.5	743.9	389.8	323.0	314.5	309.5	307.6	307.6	311.2	312.6
32.5°	1112.2	1003.7	667.7	334.0	312.6	300.7	284.8	277.6	280.4	292.5	295.2
35°	1163.6	1019.9	564.6	315.0	310.4	294.4	269.7	256.5	256.8	268.0	271.6
37.5°	1219.7	1040.5	451.7	311.5	315.3	294.7	261.7	243.6	236.1	236.1	237.5
40°	1291.5	1061.7	365.6	313.9	325.8	298.0	257.6	233.4	212.5	213.0	214.1
42.5°	1384.9	1079.8	319.4	319.2	338.4	302.4	257.3	219.9	201.8	214.1	225.4
45°	1488.8	1088.9	299.1	323.8	348.6	305.1	252.9	217.7	203.1	240.0	261.4
47.5°	1608.4	1083.6	287.8	325.5	351.0	305.1	248.0	222.9	212.8	277.9	302.9
50°	1739.6	1068.5	276.8	322.2	350.2	304.6	252.6	228.2	216.3	284.5	301.8
52.5°	1893.8	1055.9	265.3	315.0	344.4	301.6	258.1	226.0	205.1	258.7	270.8
55°	2069.7	1059.5	252.4	304.9	335.4	295.8	256.2	217.2	193.3	227.9	235.3
57.5°	2294.6	1102.1	237.0	291.9	323.0	286.2	249.3	213.0	189.7	206.7	211.1
60°	2545.6	1176.3	217.7	279.0	307.6	270.8	244.1	215.0	191.3	205.1	207.3
62.5°	2729.7	1219.4	201.2	260.1	286.7	253.7	237.5	217.4	195.7	210.8	210.3
65°	2779.8	1148.5	180.6	232.3	258.4	235.9	229.3	220.2	197.7	215.5	213.0
66°	2709.7	1072.1	171.5	219.4	244.1	227.1	225.1	219.9	196.8	216.1	211.9
67.5°	2539.5	915.4	155.9	200.4	221.3	213.9	218.5	217.4	194.6	215.5	209.7
70°	2071.1	624.6	133.3	166.9	184.2	188.3	205.9	208.6	187.5	205.9	193.3
72.5°	1447.1	380.5	117.9	129.5	149.0	160.5	188.6	196.6	177.9	179.8	167.7
75°	699.3	202.1	106.9	100.3	115.7	134.2	167.7	180.1	162.7	150.4	146.0
77.5°	218.0	123.4	90.7	80.8	90.7	108.3	140.2	157.8	144.9	125.9	124.3
80°	117.1	90.7	69.8	64.9	71.7	84.9	110.2	131.7	124.5	113.0	100.9
82.5°	77.2	58.8	51.7	50.3	54.7	64.9	81.9	109.1	109.1	96.8	70.4
85°	39.9	36.0	35.5	35.5	38.2	43.2	55.8	84.1	89.6	51.1	42.3
87.5°	19.8	20.6	19.2	20.1	21.4	21.2	26.7	42.3	50.6	31.1	25.8
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)