

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: P200679

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200679
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
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5303 lumens
Efficiency: N/A
Efficacy: 89.9 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

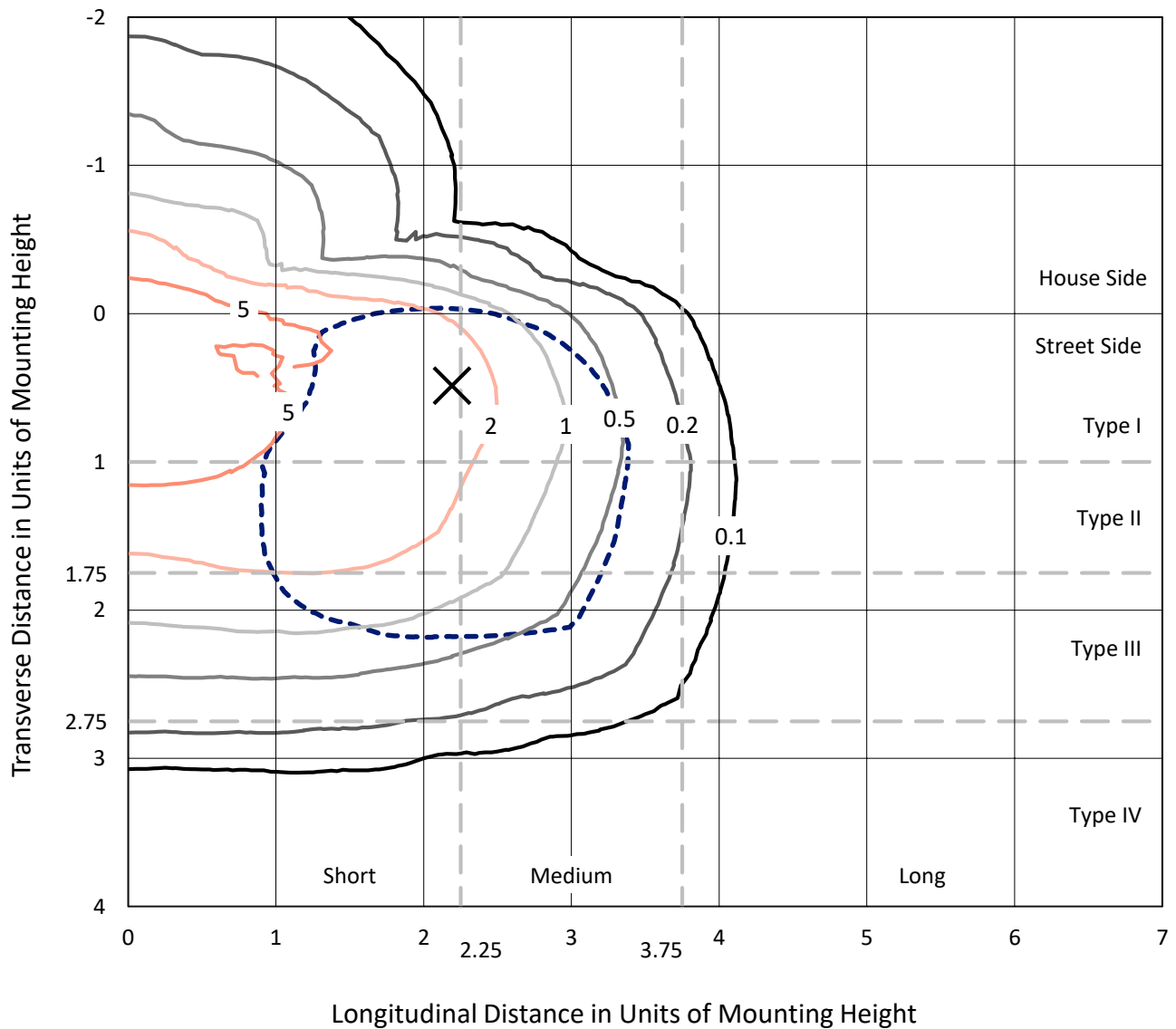
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

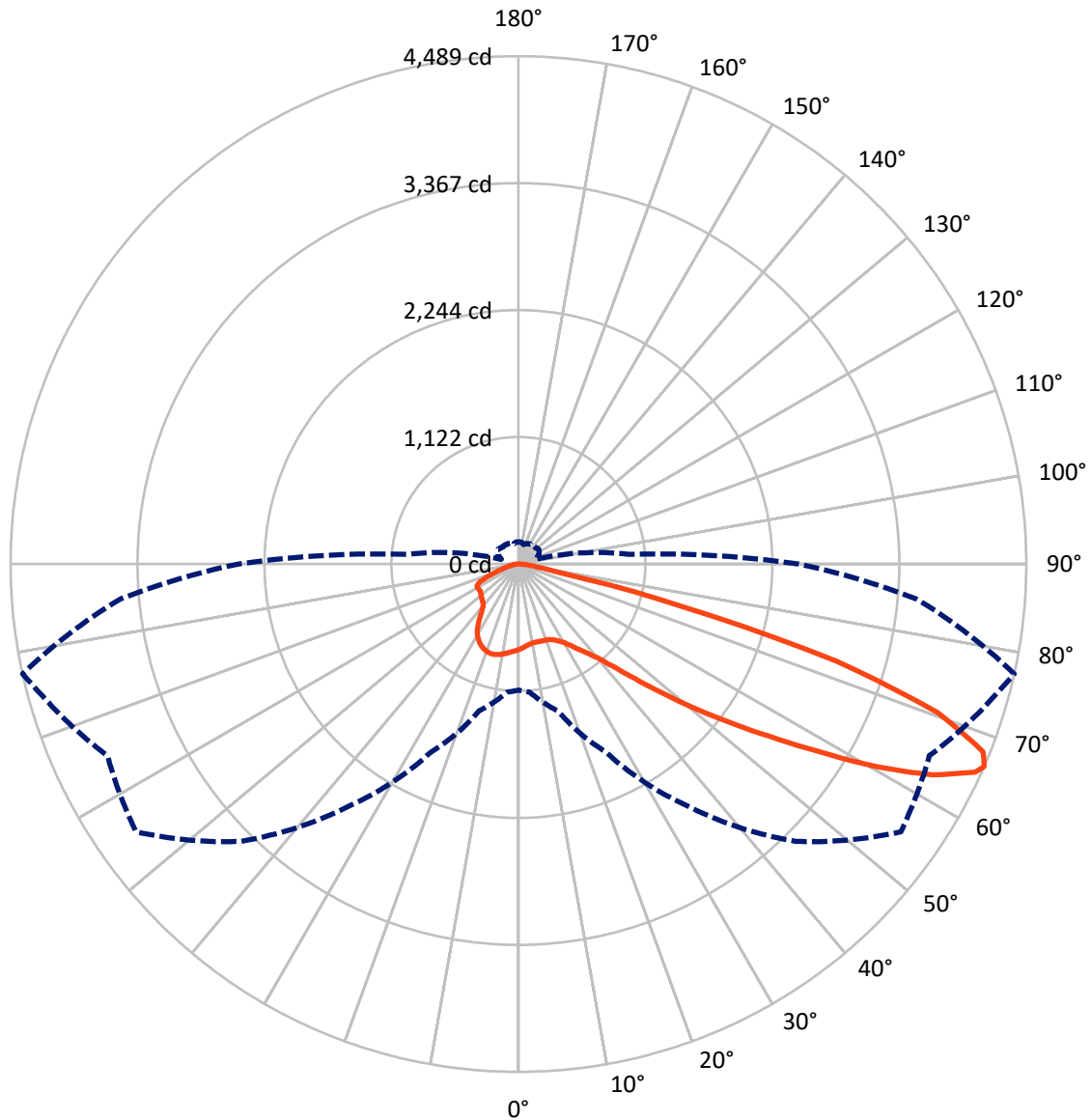
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 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	906.0	0.0	906.0
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	4397.0	0.0	4397.0
	% Fixture	82.9	0.0	82.9
Total	Lumens	5303.0	0.0	5303.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.5	1.3
10°-20°	190.5	3.6
20°-30°	325.1	6.1
30°-40°	520.4	9.8
40°-50°	803.9	15.2
50°-60°	1140.3	21.5
60°-70°	1525.4	28.8
70°-80°	662.4	12.5
80°-90°	67.5	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°	5303.0	100.0
0°-180°	5303.0	100.0



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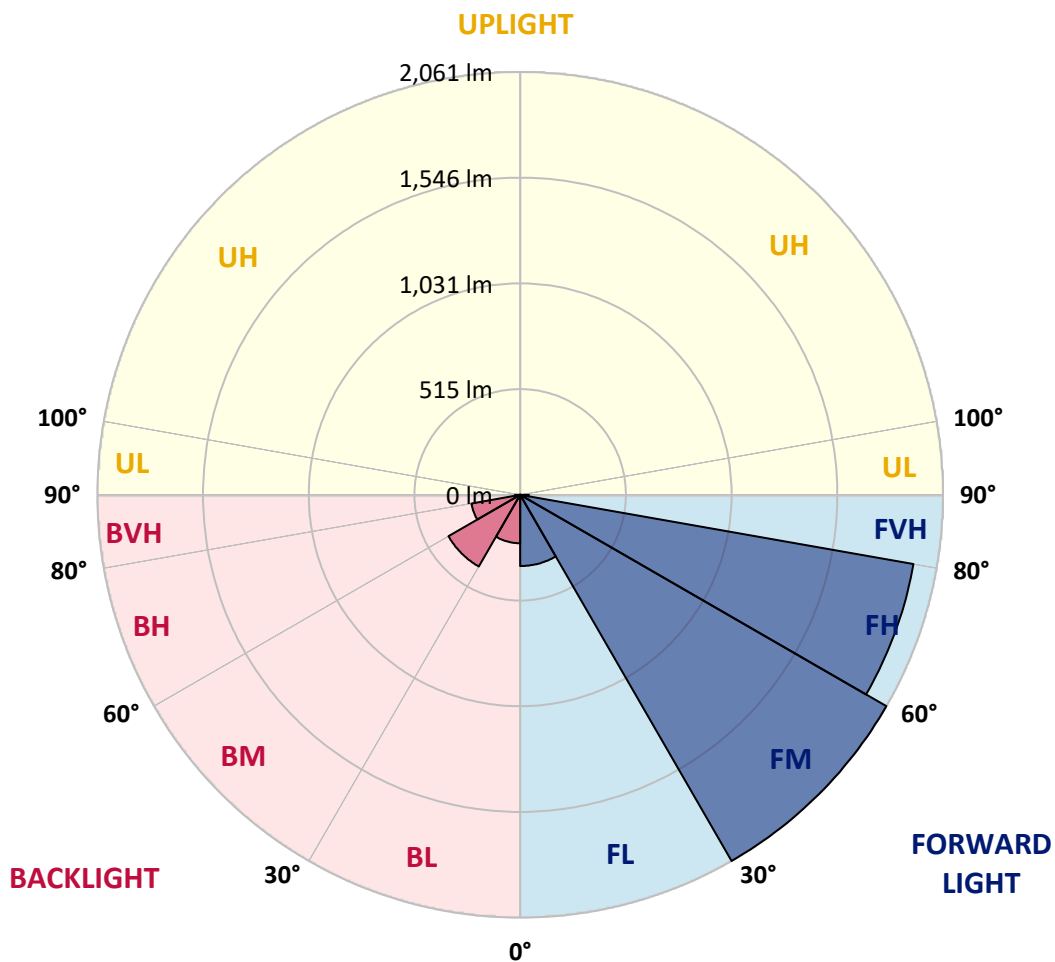
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	347.1	6.5			
FM	(30°-60°)	2061.0	38.9			
FH	(60°-80°)	1946.5	36.7			G2/5000
FVH	(80°-90°)	42.4	0.8			G1/100
BL	(0°-30°)	236.0	4.4	B1/500		
BM	(30°-60°)	403.6	7.6	B1/1000		
BH	(60°-80°)	241.3	4.5	B1/500		G1/500
BVH	(80°-90°)	25.2	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°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7
2.5°	668.5	673.0	676.8	680.3	687.3	698.8	712.1	722.9	738.4	741.4	749.7
5°	607.1	607.1	610.1	615.4	624.9	642.2	660.2	684.3	718.1	726.1	748.2
7.5°	577.3	577.6	579.3	583.8	592.1	607.9	627.7	656.0	701.8	715.1	752.7
10°	588.3	585.8	582.1	579.8	581.1	590.3	609.1	640.7	691.8	708.8	762.7
12.5°	650.0	645.2	632.2	614.9	598.3	591.6	602.6	633.4	687.5	707.3	776.0
15°	750.7	748.7	724.4	688.6	648.5	614.9	607.4	630.7	688.1	709.1	791.8
17.5°	877.0	874.2	842.1	790.0	724.6	659.2	624.2	632.9	689.8	712.1	807.1
20°	1004.5	996.0	961.4	899.3	815.3	719.6	652.0	638.7	692.1	715.4	823.1
22.5°	1099.7	1092.7	1061.6	1001.3	904.5	789.5	689.3	648.7	699.3	724.9	842.9
25°	1183.4	1183.9	1153.1	1094.7	994.7	863.7	737.4	675.5	717.9	744.4	870.0
27.5°	1286.9	1280.9	1252.1	1194.2	1083.9	938.6	795.5	712.4	745.4	772.2	905.5
30°	1410.7	1406.4	1373.1	1307.4	1182.9	1019.0	861.9	755.2	781.0	808.8	952.1
32.5°	1556.3	1554.3	1519.7	1435.2	1297.2	1113.8	939.9	811.8	834.1	862.9	1019.0
35°	1727.1	1727.4	1686.6	1585.1	1422.2	1224.0	1028.3	884.7	898.8	928.8	1098.7
37.5°	1832.4	1845.2	1829.9	1726.4	1563.8	1347.3	1143.1	981.5	972.4	1002.8	1184.2
40°	1854.9	1870.5	1918.8	1866.2	1722.1	1483.1	1244.8	1074.4	1063.1	1100.2	1294.2
42.5°	1823.4	1844.9	1947.1	1984.2	1890.3	1650.5	1381.6	1212.5	1198.2	1248.1	1431.0
45°	1804.6	1820.6	1938.9	2045.6	2036.1	1839.6	1555.8	1385.9	1380.6	1446.0	1588.8
47.5°	1772.0	1786.5	1900.3	2059.9	2121.8	2013.0	1765.0	1597.9	1608.1	1693.8	1767.0
50°	1789.5	1795.5	1857.2	2023.6	2146.6	2140.1	1998.8	1843.4	1878.5	1985.5	1968.7
52.5°	1787.0	1802.6	1852.2	1963.9	2149.8	2218.5	2229.0	2117.3	2191.2	2314.0	2192.4
55°	1444.8	1473.3	1793.3	1948.9	2161.4	2295.4	2434.0	2405.9	2543.7	2686.8	2445.0
57.5°	1379.6	1397.6	1575.0	1980.5	2222.5	2442.3	2662.0	2723.6	2954.2	3120.3	2752.7
60°	1366.8	1389.1	1572.8	2019.0	2346.5	2681.5	3000.0	3108.3	3453.5	3635.4	3109.5
62.5°	1327.0	1351.0	1558.0	2014.0	2522.7	3012.5	3432.7	3517.2	3927.1	4104.0	3407.9
65°	1200.7	1223.3	1437.5	1933.1	2641.5	3365.8	3944.9	3892.0	4300.9	4434.0	3556.8
66°	1114.3	1136.3	1342.5	1837.9	2613.9	3466.1	4126.3	4008.0	4384.6	4488.9	3527.7
67.5°	956.2	973.4	1158.1	1624.7	2467.3	3494.1	4278.9	4095.2	4393.4	4430.2	3361.6
70°	604.1	609.1	752.7	1121.5	1867.7	3030.3	4046.6	3878.7	4031.1	3931.4	2818.1
72.5°	262.1	260.3	361.3	570.5	1057.4	2033.3	3273.4	3200.5	3162.1	2934.6	1972.7
75°	145.8	147.8	187.7	264.8	429.7	998.8	2141.3	2049.1	1730.1	1476.3	894.5
77.5°	117.0	119.8	155.6	187.9	192.9	348.3	1002.0	815.3	490.9	393.9	248.6
80°	92.5	97.5	135.8	146.3	130.0	143.6	323.7	258.8	194.2	178.2	128.8
82.5°	73.2	76.7	116.5	110.7	91.0	96.7	155.1	151.1	126.3	115.0	74.4
85°	52.6	59.1	95.7	83.4	59.6	65.1	103.0	98.7	72.4	59.1	32.8
87.5°	21.5	28.1	67.7	55.4	33.3	30.3	51.4	48.4	34.3	25.1	16.3
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°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7
2.5°	755.0	761.0	768.7	773.5	776.0	777.8	780.5	780.3	781.0	781.3	782.3
5°	760.0	770.0	781.3	784.3	784.3	781.5	778.8	774.2	772.5	772.0	772.5
7.5°	773.0	784.0	793.8	790.3	782.8	771.7	757.5	744.9	738.2	735.9	735.4
10°	789.5	802.8	806.8	793.5	771.5	744.9	716.6	696.1	684.3	681.0	680.0
12.5°	809.6	822.1	816.6	788.5	747.7	704.8	665.8	632.9	608.4	600.6	600.1
15°	831.6	841.4	822.1	773.0	712.1	649.0	579.3	522.7	492.1	482.3	481.6
17.5°	852.2	857.2	818.8	745.9	659.7	557.5	465.0	421.4	410.9	413.4	413.9
20°	869.7	869.7	807.8	707.1	577.3	437.0	378.6	377.9	385.4	392.9	394.4
22.5°	889.0	877.5	788.5	652.2	460.5	357.6	349.0	356.1	364.6	372.8	374.1
25°	912.8	883.7	761.7	569.0	362.1	324.7	328.0	333.8	338.0	343.3	344.0
27.5°	939.4	891.8	726.4	454.5	314.2	304.2	306.7	308.7	308.2	310.2	310.7
30°	971.2	901.0	678.0	355.3	294.4	286.6	282.1	280.4	280.4	283.6	284.9
32.5°	1013.8	914.8	608.6	304.4	284.9	274.1	259.6	253.1	255.6	266.6	269.1
35°	1060.6	929.6	514.7	287.1	282.9	268.4	245.8	233.8	234.0	244.3	247.6
37.5°	1111.8	948.4	411.7	283.9	287.4	268.6	238.5	222.0	215.2	215.2	216.5
40°	1177.2	967.7	333.3	286.1	296.9	271.6	234.8	212.7	193.7	194.2	195.2
42.5°	1262.3	984.2	291.2	290.9	308.4	275.6	234.5	200.5	183.9	195.2	205.5
45°	1357.1	992.5	272.6	295.2	317.7	278.1	230.5	198.4	185.2	218.7	238.3
47.5°	1466.1	987.7	262.3	296.7	320.0	278.1	226.0	203.2	193.9	253.3	276.1
50°	1585.6	973.9	252.3	293.7	319.2	277.6	230.3	208.0	197.2	259.3	275.1
52.5°	1726.1	962.4	241.8	287.1	314.0	274.9	235.3	206.0	186.9	235.8	246.8
55°	1886.5	965.7	230.0	277.9	305.7	269.6	233.5	197.9	176.1	207.7	214.5
57.5°	2091.5	1004.5	216.0	266.1	294.4	260.8	227.3	194.2	172.9	188.4	192.4
60°	2320.2	1072.2	198.4	254.3	280.4	246.8	222.5	195.9	174.4	186.9	188.9
62.5°	2488.1	1111.5	183.4	237.0	261.3	231.3	216.5	198.2	178.4	192.2	191.7
65°	2533.7	1046.9	164.6	211.7	235.5	215.0	209.0	200.7	180.2	196.4	194.2
66°	2469.8	977.2	156.4	200.0	222.5	207.0	205.2	200.5	179.4	196.9	193.2
67.5°	2314.7	834.4	142.1	182.7	201.7	194.9	199.2	198.2	177.4	196.4	191.2
70°	1887.8	569.3	121.5	152.1	167.9	171.6	187.7	190.2	170.9	187.7	176.1
72.5°	1319.0	346.8	107.5	118.0	135.8	146.3	171.9	179.2	162.1	163.9	152.8
75°	637.4	184.2	97.5	91.5	105.5	122.3	152.8	164.1	148.3	137.1	133.0
77.5°	198.7	112.5	82.7	73.7	82.7	98.7	127.8	143.8	132.0	114.8	113.3
80°	106.7	82.7	63.6	59.1	65.4	77.4	100.5	120.0	113.5	103.0	92.0
82.5°	70.4	53.6	47.1	45.9	49.9	59.1	74.7	99.5	99.5	88.2	64.1
85°	36.3	32.8	32.3	32.3	34.8	39.3	50.9	76.7	81.7	46.6	38.6
87.5°	18.0	18.8	17.5	18.3	19.5	19.3	24.3	38.6	46.1	28.3	23.6
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)