

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: P200039

Luminaire Tested: **GPC-AF-01-LED-E1-T3R-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200039
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-7030
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 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: 6285.7 lumens
Efficiency: N/A
Efficacy: 106.5 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

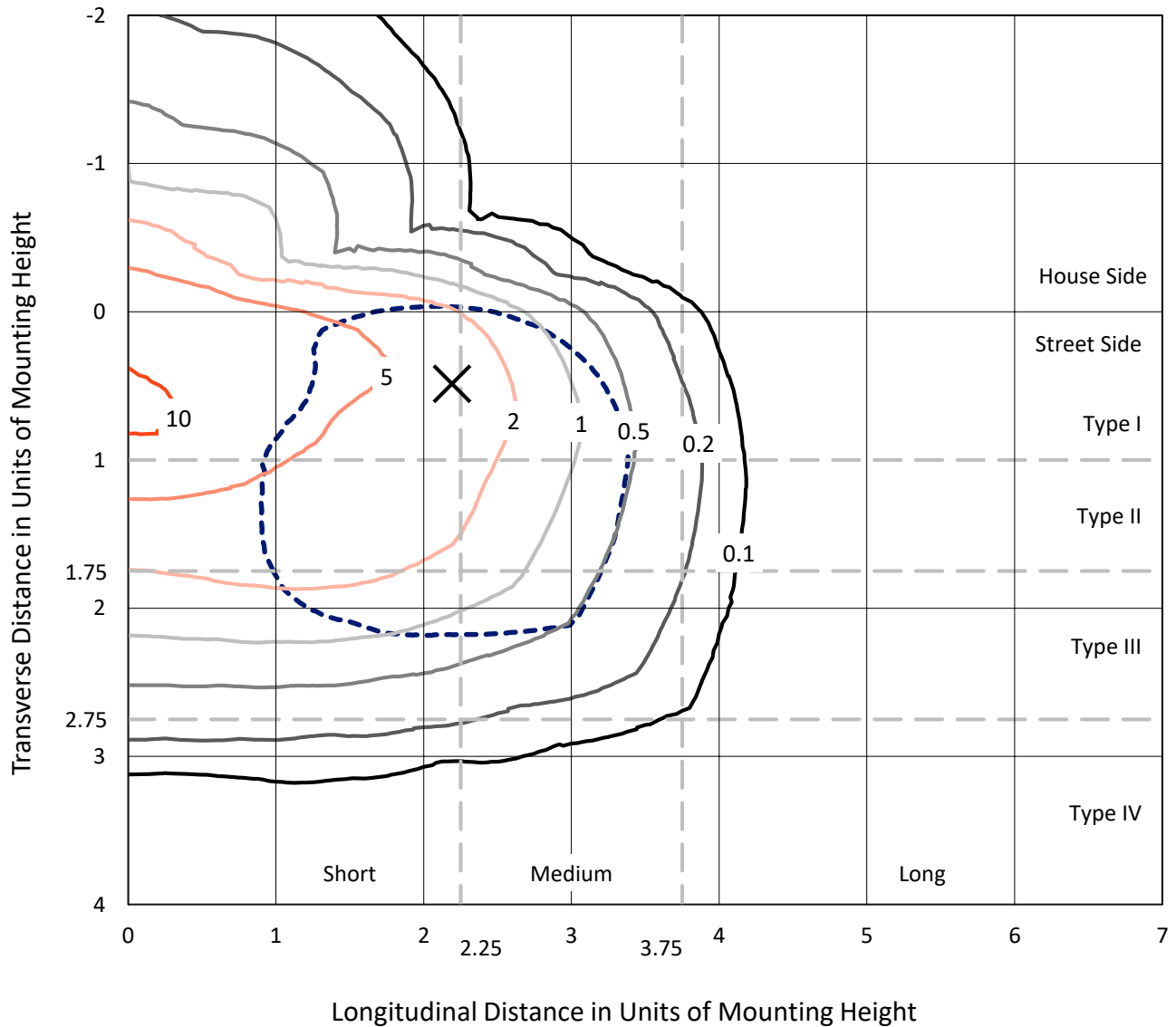
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P200039
 CATALOG NUMBER: GPC-AF-01-LED-E1-T3R-7030

Iso-Footcandle Lines of Horizontal Illumination

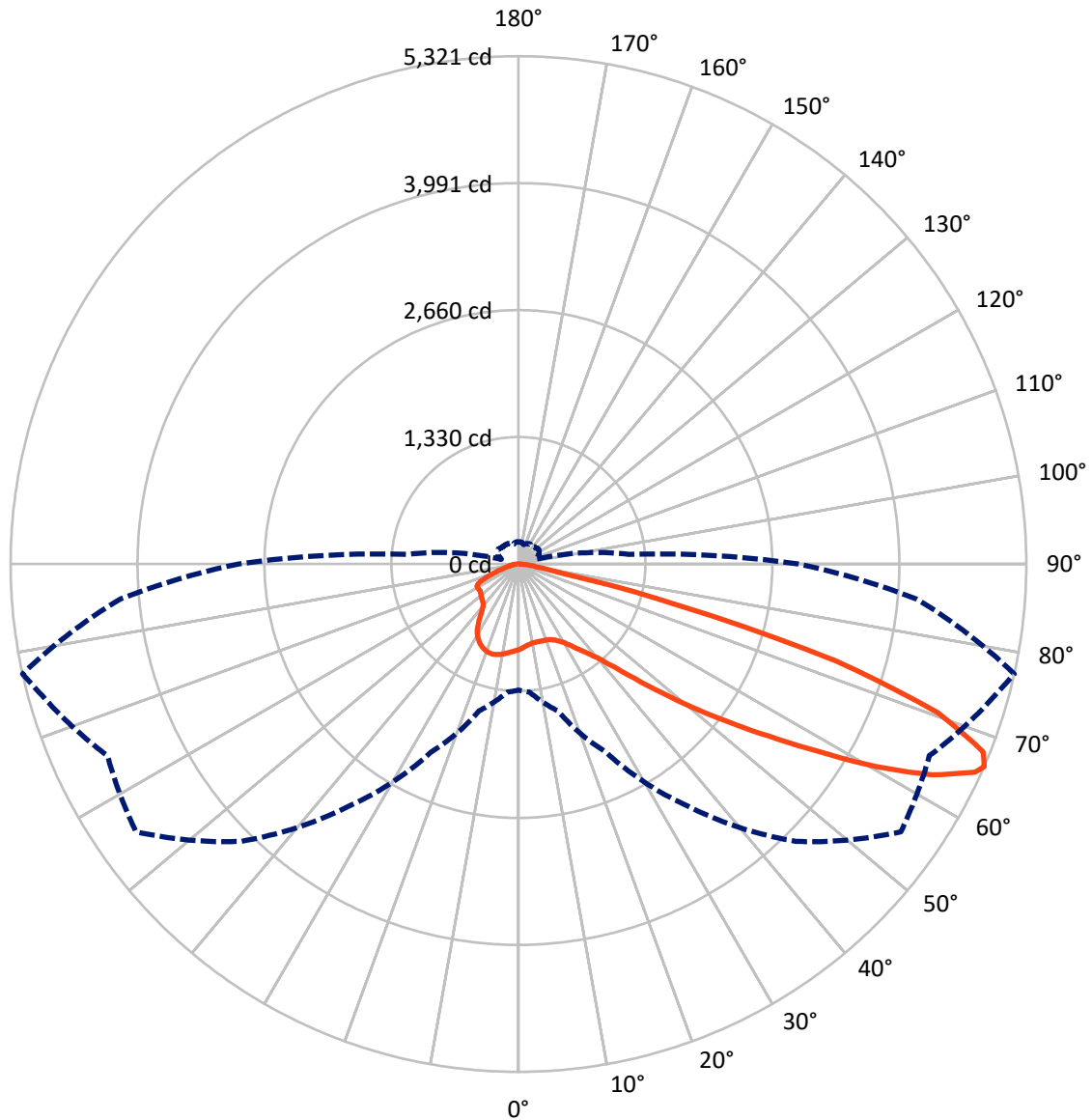
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type III - Short - Full Cutoff

REPORT NUMBER: P200039
CATALOG NUMBER: GPC-AF-01-LED-E1-T3R-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P200039

CATALOG NUMBER: GPC-AF-01-LED-E1-T3R-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1073.9	0.0	1073.9
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	5211.8	0.0	5211.8
	% Fixture	82.9	0.0	82.9
Total	Lumens	6285.7	0.0	6285.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.0	1.3
10°-20°	225.8	3.6
20°-30°	385.3	6.1
30°-40°	616.8	9.8
40°-50°	952.9	15.2
50°-60°	1351.6	21.5
60°-70°	1808.0	28.8
70°-80°	785.2	12.5
80°-90°	80.1	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°	6285.7	100.0
0°-180°	6285.7	100.0



REPORT NUMBER: P200039

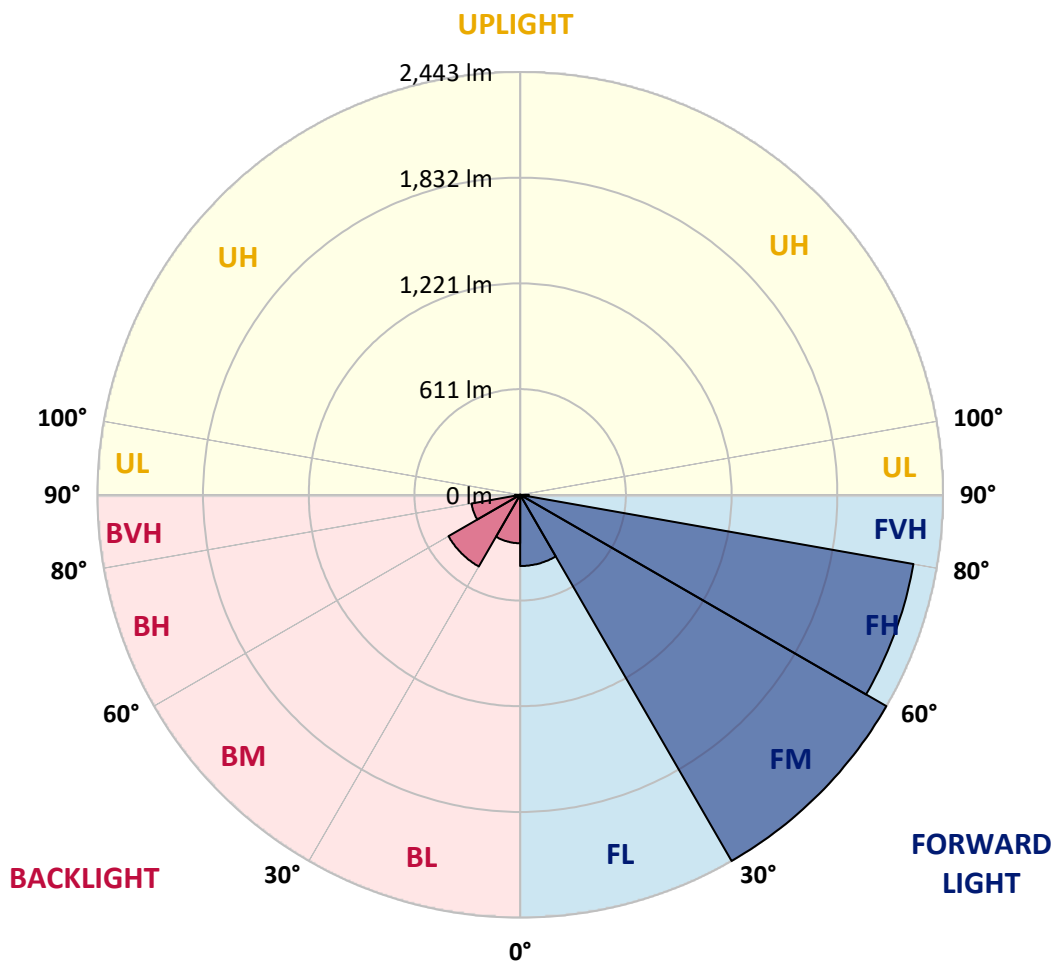
CATALOG NUMBER: GPC-AF-01-LED-E1-T3R-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	411.4	6.5			
FM	(30°-60°)	2443.0	38.9			
FH	(60°-80°)	2307.2	36.7			G2/5000
FVH	(80°-90°)	50.2	0.8			G1/100
BL	(0°-30°)	279.7	4.4	B1/500		
BM	(30°-60°)	478.3	7.6	B1/1000		
BH	(60°-80°)	286.0	4.5	B1/500		G1/500
BVH	(80°-90°)	29.9	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





REPORT NUMBER: P200039

CATALOG NUMBER: GPC-AF-01-LED-E1-T3R-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7
2.5°	792.3	797.7	802.2	806.4	814.6	828.3	844.0	856.8	875.2	878.8	888.6
5°	719.6	719.6	723.2	729.5	740.7	761.2	782.7	811.1	851.2	860.8	886.8
7.5°	684.3	684.6	686.7	692.0	701.8	720.6	743.9	777.5	831.9	847.7	892.2
10°	697.3	694.4	690.0	687.2	688.8	699.7	721.9	759.5	820.0	840.2	904.0
12.5°	770.4	764.9	749.3	728.9	709.2	701.2	714.2	750.8	815.0	838.4	919.8
15°	889.8	887.4	858.7	816.1	768.6	728.9	719.9	747.6	815.5	840.5	938.5
17.5°	1039.5	1036.3	998.2	936.5	858.9	781.4	739.8	750.2	817.6	844.0	956.7
20°	1190.7	1180.5	1139.6	1066.0	966.4	853.0	772.8	757.0	820.3	848.0	975.6
22.5°	1303.5	1295.2	1258.3	1186.8	1072.2	935.8	817.0	768.9	829.0	859.3	999.0
25°	1402.7	1403.3	1366.8	1297.6	1179.1	1023.8	874.1	800.7	850.9	882.4	1031.2
27.5°	1525.4	1518.2	1484.1	1415.5	1284.8	1112.6	943.0	844.3	883.6	915.4	1073.4
30°	1672.1	1667.1	1627.5	1549.8	1402.2	1207.9	1021.7	895.2	925.8	958.7	1128.5
32.5°	1844.7	1842.2	1801.2	1701.1	1537.5	1320.2	1114.0	962.2	988.7	1022.8	1207.9
35°	2047.2	2047.5	1999.1	1878.8	1685.8	1450.9	1218.9	1048.7	1065.3	1101.0	1302.4
37.5°	2172.0	2187.1	2169.1	2046.3	1853.6	1597.0	1355.0	1163.3	1152.6	1188.6	1403.7
40°	2198.7	2217.1	2274.4	2212.1	2041.3	1757.9	1475.4	1273.5	1260.2	1304.1	1534.0
42.5°	2161.2	2186.9	2308.0	2352.0	2240.6	1956.3	1637.7	1437.2	1420.3	1479.4	1696.1
45°	2139.0	2158.0	2298.2	2424.7	2413.4	2180.6	1844.1	1642.7	1636.4	1714.0	1883.3
47.5°	2100.4	2117.6	2252.4	2441.6	2514.9	2386.1	2092.0	1893.9	1906.1	2007.6	2094.4
50°	2121.2	2128.3	2201.3	2398.6	2544.3	2536.7	2369.2	2184.9	2226.6	2353.5	2333.4
52.5°	2118.2	2136.6	2195.3	2327.9	2548.3	2629.7	2642.1	2509.5	2597.2	2742.7	2598.7
55°	1712.5	1746.3	2125.6	2310.1	2561.9	2720.8	2885.0	2851.7	3015.1	3184.7	2898.1
57.5°	1635.3	1656.7	1866.9	2347.4	2634.3	2894.9	3155.3	3228.4	3501.5	3698.5	3262.8
60°	1620.1	1646.5	1864.3	2393.3	2781.4	3178.5	3556.0	3684.2	4093.5	4309.0	3685.8
62.5°	1572.9	1601.4	1846.7	2387.2	2990.2	3570.8	4068.9	4168.9	4654.8	4864.6	4039.5
65°	1423.2	1450.0	1703.9	2291.2	3131.0	3989.6	4675.9	4613.3	5097.9	5255.6	4215.9
66°	1320.7	1346.8	1591.3	2178.5	3098.3	4108.3	4890.9	4750.7	5197.1	5320.7	4181.5
67.5°	1133.3	1153.8	1372.8	1925.7	2924.6	4141.6	5071.9	4854.1	5207.6	5251.2	3984.4
70°	716.0	721.9	892.2	1329.3	2213.8	3591.9	4796.5	4597.5	4778.1	4659.9	3340.3
72.5°	310.7	308.5	428.3	676.2	1253.3	2410.2	3879.9	3793.5	3748.1	3478.4	2338.2
75°	172.8	175.3	222.5	313.9	509.3	1183.9	2538.1	2428.9	2050.8	1749.9	1060.3
77.5°	138.6	141.9	184.4	222.8	228.7	412.8	1187.6	966.4	581.8	466.9	294.7
80°	109.6	115.5	160.9	173.4	154.2	170.2	383.7	306.8	230.2	211.2	152.6
82.5°	86.8	90.9	138.1	131.2	107.8	114.6	183.9	179.0	149.6	136.3	88.2
85°	62.4	70.2	113.4	98.9	70.7	77.2	122.1	117.0	85.9	70.2	38.9
87.5°	25.5	33.3	80.2	65.7	39.6	35.9	60.8	57.4	40.7	29.7	19.3
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: P200039

CATALOG NUMBER: GPC-AF-01-LED-E1-T3R-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7
2.5°	894.9	901.9	911.2	916.8	919.8	921.9	925.1	924.9	925.8	926.1	927.2
5°	900.9	912.7	926.1	929.6	929.6	926.3	923.0	917.7	915.6	915.0	915.6
7.5°	916.2	929.2	940.8	936.7	927.8	914.7	897.8	883.0	874.9	872.3	871.7
10°	935.8	951.5	956.3	940.6	914.5	883.0	849.4	825.0	811.1	807.2	806.0
12.5°	959.7	974.5	967.9	934.6	886.2	835.4	789.1	750.2	721.1	712.0	711.3
15°	985.7	997.3	974.5	916.2	844.0	769.1	686.7	619.5	583.3	571.8	570.9
17.5°	1010.1	1016.0	970.6	884.1	782.0	660.8	551.2	499.6	487.1	490.0	490.7
20°	1030.9	1030.9	957.5	838.1	684.3	518.0	448.7	447.9	456.8	465.7	467.5
22.5°	1053.7	1040.0	934.6	773.1	545.9	423.8	413.8	422.1	432.1	442.0	443.4
25°	1082.0	1047.5	902.9	674.4	429.2	384.9	388.8	395.6	400.7	406.9	407.7
27.5°	1113.5	1057.0	861.0	538.7	372.5	360.5	363.5	365.9	365.3	367.6	368.3
30°	1151.1	1068.0	803.7	421.2	349.0	339.8	334.5	332.3	332.3	336.2	337.7
32.5°	1201.7	1084.3	721.4	360.9	337.7	324.9	307.7	299.9	302.9	316.0	318.9
35°	1257.1	1101.9	610.0	340.4	335.3	318.1	291.4	277.1	277.4	289.5	293.5
37.5°	1317.7	1124.2	488.0	336.5	340.7	318.4	282.8	263.1	255.1	255.1	256.6
40°	1395.2	1147.0	395.0	339.1	352.0	322.0	278.3	252.2	229.6	230.2	231.4
42.5°	1496.3	1166.6	345.2	344.8	365.6	326.6	277.9	237.6	218.0	231.4	243.5
45°	1608.6	1176.4	323.1	349.8	376.6	329.6	273.2	235.2	219.5	259.3	282.4
47.5°	1737.8	1170.7	311.0	351.6	379.2	329.6	267.9	240.9	229.9	300.3	327.3
50°	1879.4	1154.5	299.1	348.1	378.4	329.1	272.9	246.5	233.7	307.3	326.1
52.5°	2046.0	1140.7	286.6	340.4	372.1	325.8	278.8	244.0	221.6	279.4	292.5
55°	2236.1	1144.6	272.6	329.4	362.3	319.6	276.8	234.6	208.8	246.2	254.2
57.5°	2479.0	1190.7	256.0	315.4	349.0	309.2	269.4	230.2	205.0	223.3	228.2
60°	2750.2	1270.8	235.2	301.4	332.3	292.5	263.8	232.2	206.7	221.6	224.0
62.5°	2949.1	1317.4	217.4	280.9	309.8	274.1	256.6	234.9	211.4	227.8	227.2
65°	3003.2	1240.8	195.1	251.0	279.1	254.8	247.7	237.8	213.5	232.8	230.2
66°	2927.5	1158.2	185.3	237.0	263.8	245.3	243.2	237.6	212.6	233.5	229.0
67.5°	2743.6	989.1	168.4	216.6	239.1	231.1	236.1	234.9	210.4	232.8	226.6
70°	2237.5	674.7	144.0	180.3	199.0	203.4	222.5	225.4	202.5	222.5	208.8
72.5°	1563.4	411.1	127.4	139.9	160.9	173.4	203.8	212.4	192.2	194.3	181.2
75°	755.5	218.3	115.5	108.3	125.0	145.0	181.2	194.5	175.8	162.5	157.7
77.5°	235.6	133.4	98.0	87.3	98.0	117.0	151.5	170.5	156.6	136.0	134.3
80°	126.5	98.0	75.4	70.2	77.5	91.8	119.1	142.2	134.5	122.1	109.0
82.5°	83.5	63.6	55.8	54.3	59.1	70.2	88.5	117.9	117.9	104.6	76.1
85°	43.0	38.9	38.4	38.4	41.3	46.7	60.3	90.9	96.8	55.2	45.8
87.5°	21.5	22.3	20.8	21.7	23.2	22.8	28.9	45.8	54.6	33.6	28.0
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)