

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: P198071

Luminaire Tested: **TT-C3-LED-E1-RW-CG-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34695)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-RW-CG-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4632.3 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 45
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

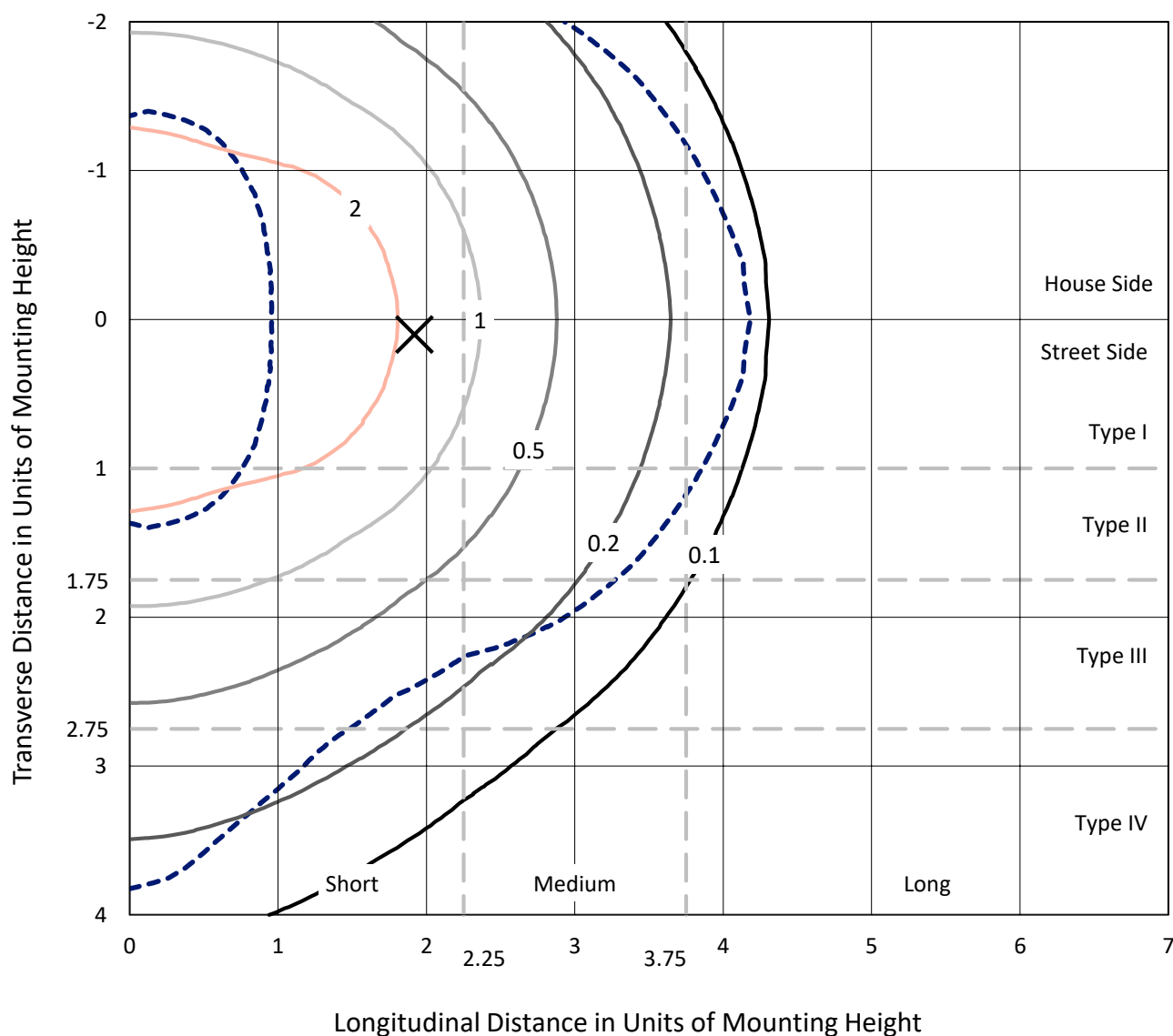


REPORT NUMBER: P198071

CATALOG NUMBER: TT-C3-LED-E1-RW-CG-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

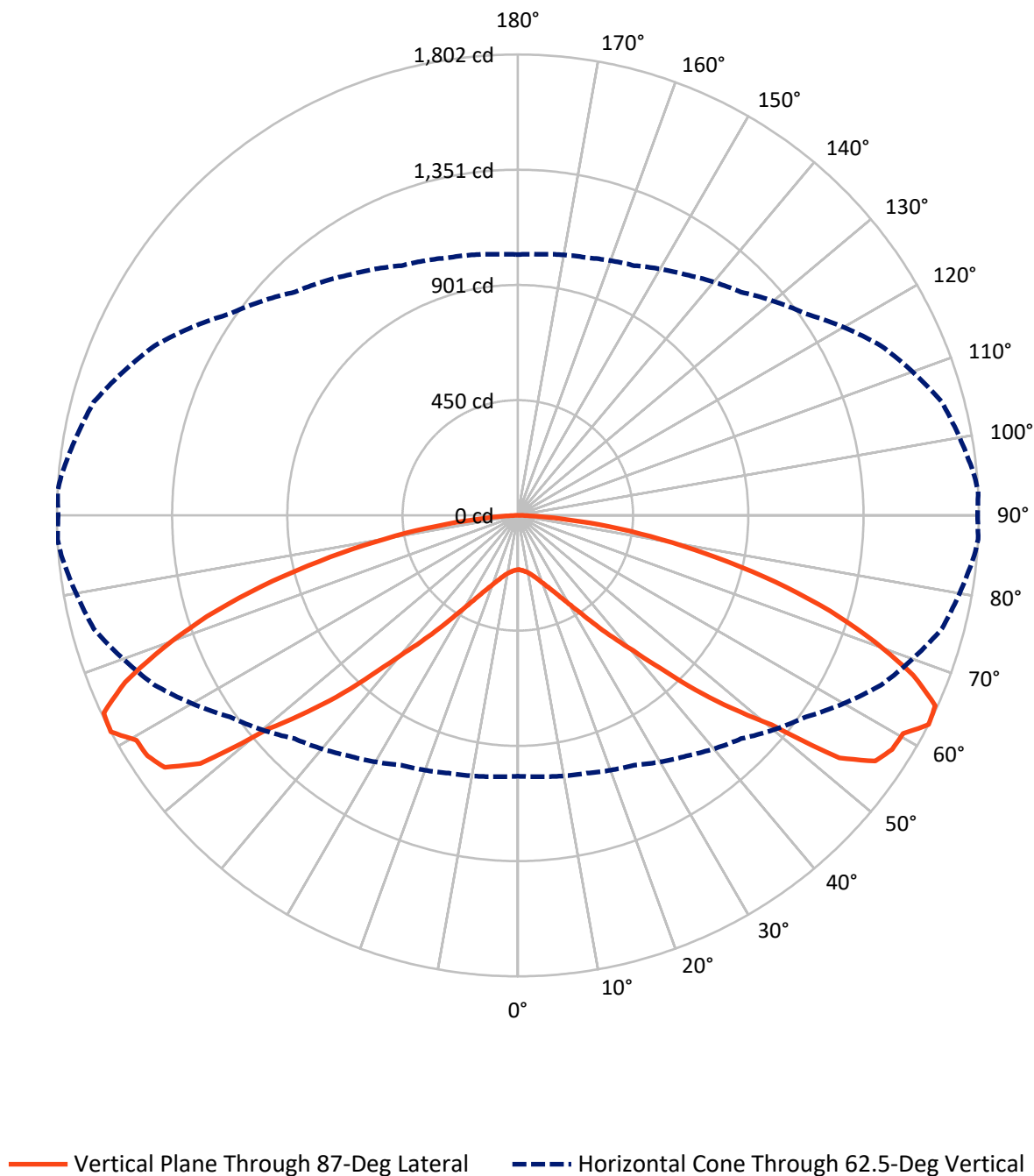


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P198071

CATALOG NUMBER: TT-C3-LED-E1-RW-CG-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P198071

CATALOG NUMBER: TT-C3-LED-E1-RW-CG-7050

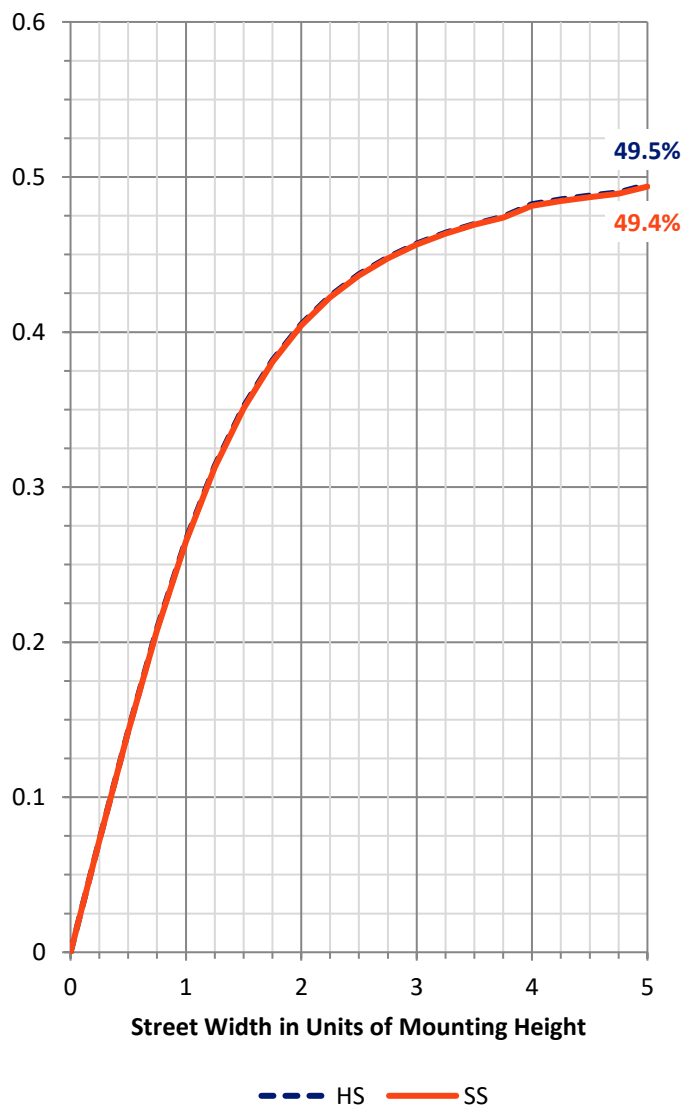
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2316.1	0.0	2316.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2316.1	0.0	2316.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4632.3	0.0	4632.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.1	0.5
10°-20°	73.2	1.6
20°-30°	161.5	3.5
30°-40°	325.1	7.0
40°-50°	620.2	13.4
50°-60°	1061.9	22.9
60°-70°	1286.4	27.8
70°-80°	891.3	19.2
80°-90°	191.6	4.1
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°	4632.3	100.0
0°-180°	4632.3	100.0

Coefficient of Utilization



REPORT NUMBER: P198071

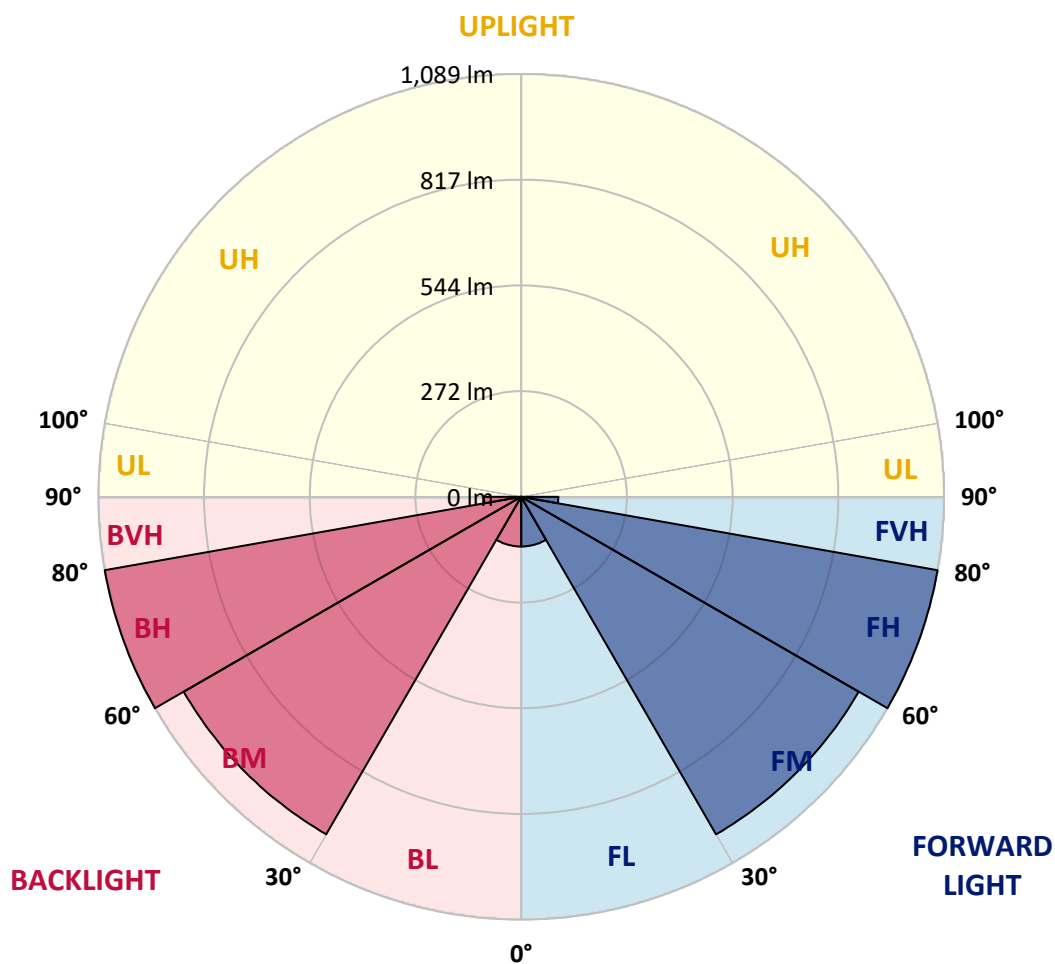
CATALOG NUMBER: TT-C3-LED-E1-RW-CG-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	127.9	2.8			
FM	(30°-60°)	1003.6	21.7			
FH	(60°-80°)	1088.9	23.5			G1/1800
FVH	(80°-90°)	95.8	2.1			G1/100
BL	(0°-30°)	127.9	2.8	B1/500		
BM	(30°-60°)	1003.6	21.7	B2/2500		
BH	(60°-80°)	1088.9	23.5	B3/2500		G3/2500
BVH	(80°-90°)	95.8	2.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



REPORT NUMBER: P198071

CATALOG NUMBER: TT-C3-LED-E1-RW-CG-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87°
0°	211.3	211.3	211.3	211.3	211.3	211.3	211.3	211.3	211.3	211.3	211.3
2.5°	213.2	213.2	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1
5°	216.9	216.9	216.9	217.9	217.9	217.9	217.9	217.9	216.9	216.9	216.9
7.5°	222.6	222.6	222.6	223.6	223.6	223.6	222.6	222.6	221.7	221.7	221.7
10°	230.2	230.2	231.2	231.2	230.2	230.2	229.3	228.3	229.3	228.3	228.3
12.5°	240.6	242.5	241.6	241.6	239.7	239.7	238.7	238.7	238.7	237.8	237.8
15°	255.8	255.8	256.7	254.8	254.8	252.0	251.1	250.1	251.1	251.1	250.1
17.5°	273.8	273.8	273.8	270.9	269.1	267.2	266.2	265.3	264.3	265.3	265.3
20°	301.3	299.4	295.6	293.7	288.9	287.1	285.2	284.2	283.3	283.3	283.3
22.5°	329.7	327.8	323.1	319.3	315.5	310.7	308.8	305.1	304.1	306.0	305.1
25°	357.2	360.0	354.3	349.6	346.7	339.2	334.4	333.5	331.6	330.6	331.6
27.5°	391.3	393.2	388.4	381.8	376.1	370.4	365.7	363.8	364.7	364.7	365.7
30°	429.2	432.9	425.4	421.6	413.0	405.5	401.7	403.6	405.5	408.3	407.4
32.5°	472.7	472.7	468.9	462.3	452.8	446.2	444.3	447.2	455.7	459.5	458.5
35°	523.9	520.1	516.3	507.8	495.5	491.7	495.5	504.9	517.3	523.9	527.7
37.5°	576.9	569.4	563.7	554.2	548.5	546.6	555.2	573.2	586.4	598.7	604.4
40°	622.4	622.4	614.8	604.4	598.7	607.3	620.5	646.1	671.7	684.9	694.4
42.5°	667.9	673.6	665.0	656.5	656.5	667.9	693.5	733.3	781.6	810.0	814.7
45°	715.3	725.7	714.3	708.6	714.3	737.0	785.4	862.1	934.1	980.5	972.9
47.5°	764.5	774.0	763.6	760.7	774.0	814.7	888.6	987.2	1059.2	1107.5	1126.4
50°	825.2	818.5	814.7	813.8	841.3	901.9	997.6	1103.7	1219.3	1262.8	1286.5
52.5°	876.3	864.9	863.0	869.7	915.2	988.1	1107.5	1302.6	1462.7	1570.7	1574.5
55°	920.8	908.5	915.2	931.3	992.8	1094.2	1244.8	1473.1	1608.6	1689.1	1695.8
57.5°	958.7	952.1	963.5	985.3	1064.8	1186.1	1354.7	1543.3	1655.0	1719.5	1726.1
60°	992.8	991.9	1004.2	1041.2	1130.2	1240.1	1379.4	1548.0	1664.5	1722.3	1730.8
62.5°	1019.4	1025.0	1043.0	1077.1	1148.2	1234.4	1373.7	1567.9	1715.7	1791.5	1801.9
65°	1042.1	1047.8	1065.8	1077.1	1140.6	1223.0	1404.9	1581.1	1708.1	1786.7	1793.4
67.5°	1054.4	1061.0	1058.2	1060.1	1109.4	1173.8	1331.0	1482.6	1586.8	1658.8	1667.4
70°	1052.5	1046.8	1024.1	1000.4	1010.8	1056.3	1198.4	1325.4	1420.1	1476.9	1479.8
72.5°	1012.7	1003.3	949.3	894.3	878.2	908.5	1032.6	1128.3	1208.8	1260.9	1277.0
75°	922.7	903.8	825.2	754.1	718.1	740.8	836.5	919.9	979.6	1030.7	1041.2
77.5°	758.8	747.5	668.8	591.2	551.4	566.5	642.3	691.6	756.0	809.0	795.8
80°	552.3	550.4	486.9	417.8	389.4	396.0	436.7	485.0	525.8	565.6	567.5
82.5°	360.9	355.3	312.6	262.4	233.1	236.8	262.4	288.0	326.8	352.4	360.0
85°	179.1	176.2	157.3	126.0	109.9	109.9	122.2	137.4	156.3	167.7	166.7
87.5°	49.3	44.5	43.6	32.2	26.5	28.4	28.4	31.3	39.8	42.6	45.5
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: P198071

CATALOG NUMBER: TT-C3-LED-E1-RW-CG-7050

CANDELA DISTRIBUTION (continued):

	90°
0°	211.3
2.5°	214.1
5°	216.9
7.5°	221.7
10°	229.3
12.5°	237.8
15°	250.1
17.5°	264.3
20°	283.3
22.5°	306.9
25°	331.6
27.5°	364.7
30°	408.3
32.5°	459.5
35°	525.8
37.5°	599.7
40°	690.6
42.5°	810.0
45°	981.5
47.5°	1116.9
50°	1274.2
52.5°	1580.2
55°	1697.7
57.5°	1728.0
60°	1731.8
62.5°	1797.1
65°	1800.9
67.5°	1660.7
70°	1484.5
72.5°	1275.1
75°	1048.7
77.5°	810.0
80°	566.5
82.5°	354.3
85°	165.8
87.5°	41.7
90°	0.0

(END OF REPORT)