

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: P198067

Luminaire Tested: **TT-C2-LED-E1-RW-CG-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198067
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-C2-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: 3523 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 34
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

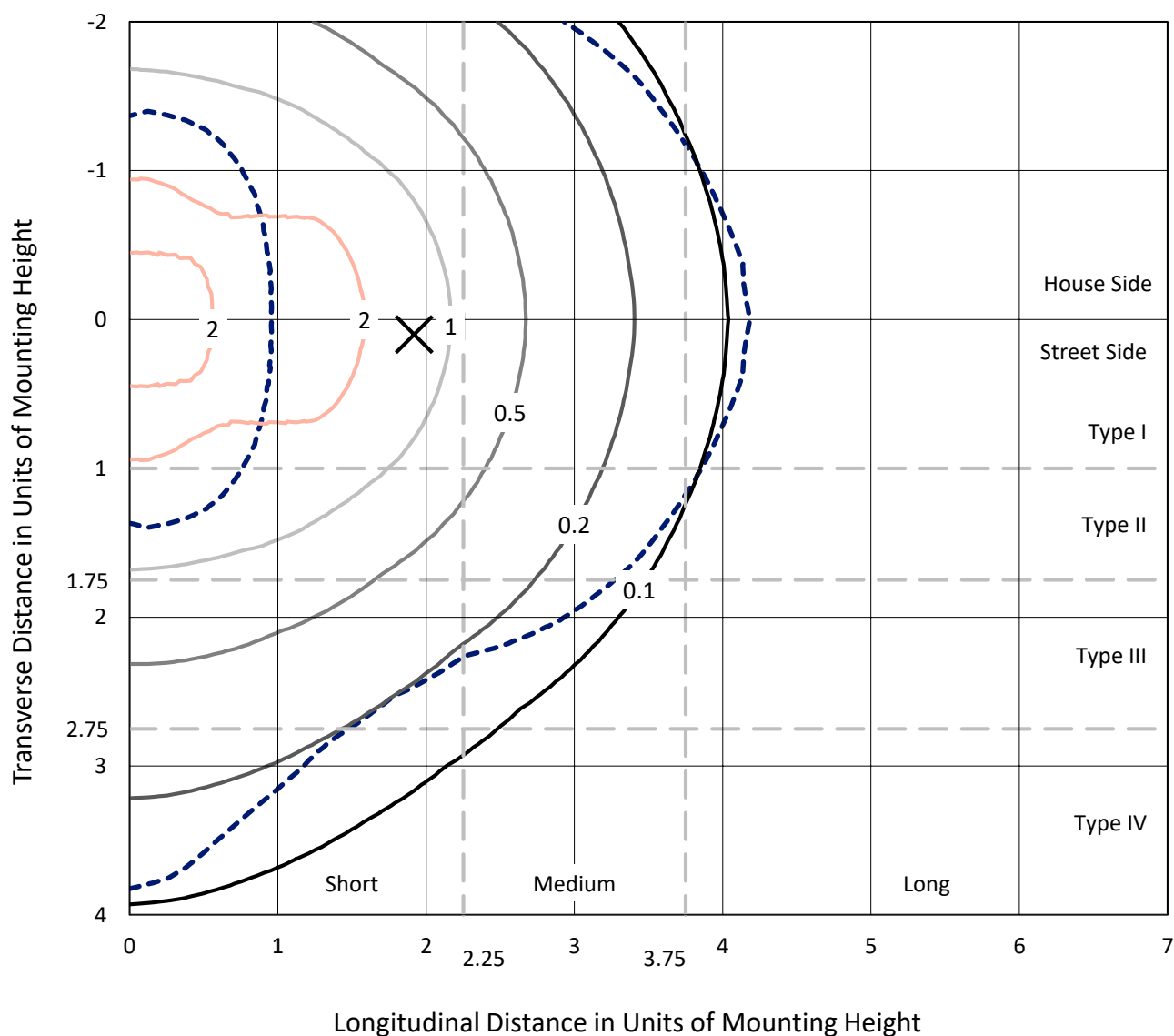


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

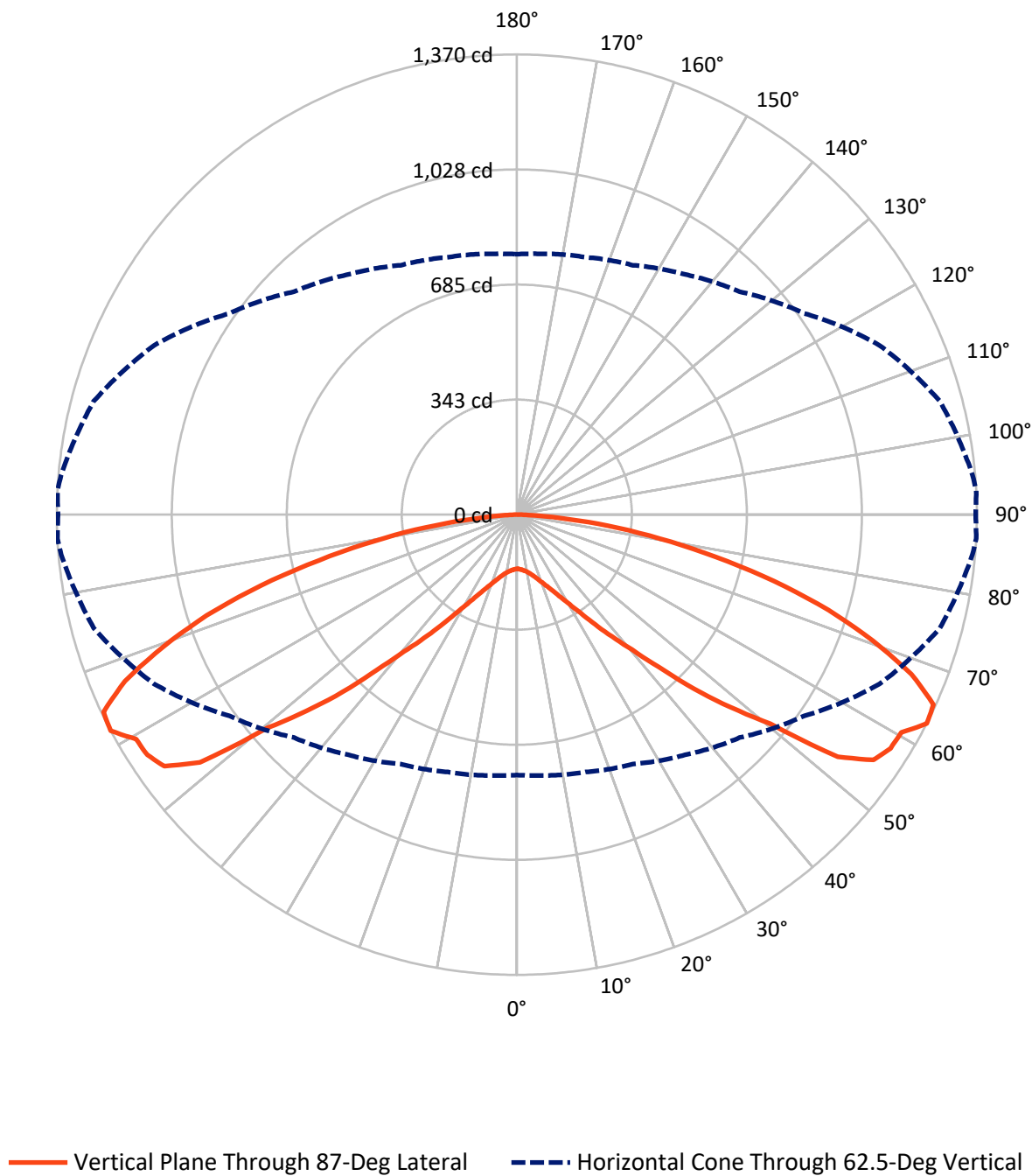


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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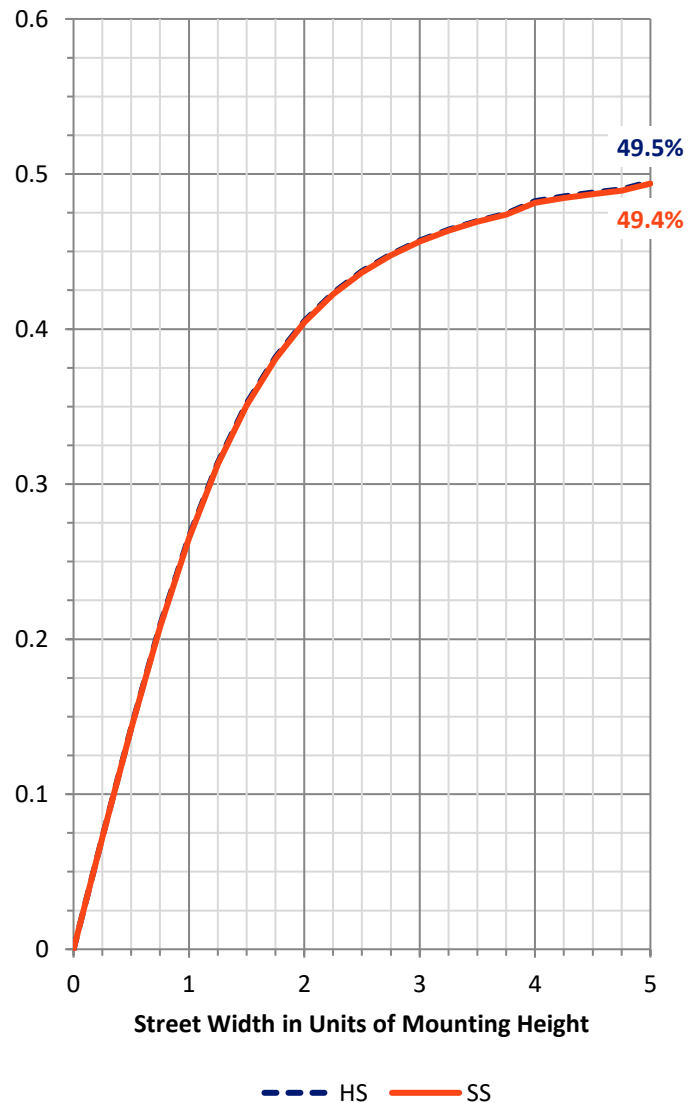
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1761.5	0.0	1761.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1761.5	0.0	1761.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3523.0	0.0	3523.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.1	0.5
10°-20°	55.6	1.6
20°-30°	122.8	3.5
30°-40°	247.3	7.0
40°-50°	471.7	13.4
50°-60°	807.6	22.9
60°-70°	978.4	27.8
70°-80°	677.9	19.2
80°-90°	145.7	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°	3523.0	100.0
0°-180°	3523.0	100.0

Coefficient of Utilization



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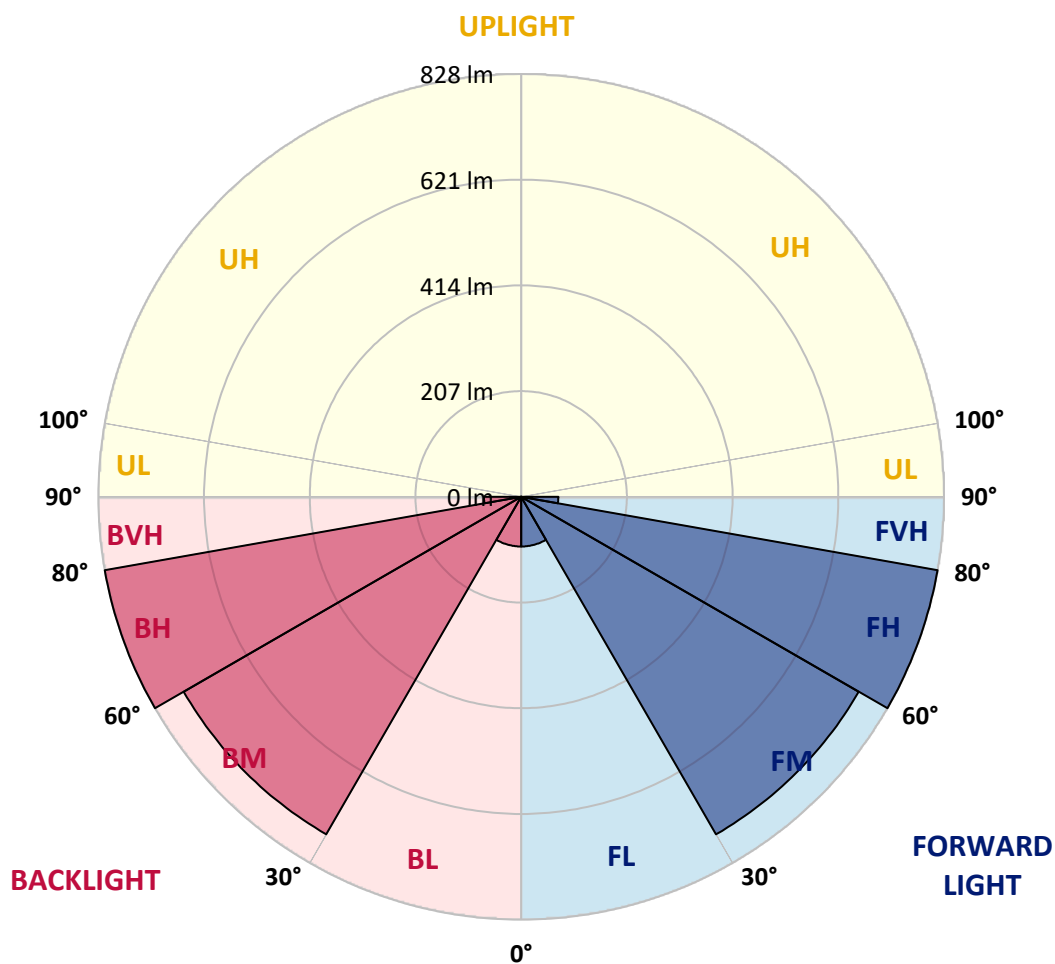
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	97.3	2.8			
FM	(30°-60°)	763.3	21.7			
FH	(60°-80°)	828.1	23.5			G1/1800
FVH	(80°-90°)	72.9	2.1			G1/100
BL	(0°-30°)	97.3	2.8	B0/110		
BM	(30°-60°)	763.3	21.7	B1/1000		
BH	(60°-80°)	828.1	23.5	B2/1000		G2/1000
BVH	(80°-90°)	72.9	2.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87°
0°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7
2.5°	162.1	162.1	162.8	162.8	162.8	162.8	162.8	162.8	162.8	162.8	162.8
5°	165.0	165.0	165.0	165.7	165.7	165.7	165.7	165.7	165.0	165.0	165.0
7.5°	169.3	169.3	169.3	170.0	170.0	170.0	169.3	169.3	168.6	168.6	168.6
10°	175.1	175.1	175.8	175.8	175.1	175.1	174.4	173.6	174.4	173.6	173.6
12.5°	183.0	184.4	183.7	183.7	182.3	182.3	181.6	181.6	181.6	180.8	180.8
15°	194.5	194.5	195.3	193.8	193.8	191.7	190.9	190.2	190.9	190.9	190.2
17.5°	208.2	208.2	208.2	206.1	204.6	203.2	202.5	201.7	201.0	201.7	201.7
20°	229.1	227.7	224.8	223.4	219.8	218.3	216.9	216.2	215.4	215.4	215.4
22.5°	250.7	249.3	245.7	242.8	239.9	236.3	234.9	232.0	231.3	232.7	232.0
25°	271.6	273.8	269.5	265.9	263.7	257.9	254.3	253.6	252.2	251.5	252.2
27.5°	297.6	299.0	295.4	290.4	286.0	281.7	278.1	276.7	277.4	277.4	278.1
30°	326.4	329.3	323.5	320.6	314.1	308.4	305.5	306.9	308.4	310.5	309.8
32.5°	359.5	359.5	356.6	351.6	344.4	339.4	337.9	340.1	346.6	349.4	348.7
35°	398.4	395.6	392.7	386.2	376.8	373.9	376.8	384.0	393.4	398.4	401.3
37.5°	438.8	433.0	428.7	421.5	417.2	415.7	422.2	435.9	446.0	455.4	459.7
40°	473.4	473.4	467.6	459.7	455.4	461.8	471.9	491.4	510.8	520.9	528.1
42.5°	508.0	512.3	505.8	499.3	499.3	508.0	527.4	557.7	594.4	616.0	619.6
45°	544.0	551.9	543.3	538.9	543.3	560.6	597.3	655.7	710.4	745.7	740.0
47.5°	581.4	588.7	580.7	578.6	588.7	619.6	675.8	750.8	805.5	842.3	856.7
50°	627.6	622.5	619.6	618.9	639.8	685.9	758.7	839.4	927.3	960.4	978.4
52.5°	666.5	657.8	656.4	661.4	696.0	751.5	842.3	990.7	1112.5	1194.6	1197.5
55°	700.3	691.0	696.0	708.3	755.1	832.2	946.7	1120.4	1223.4	1284.7	1289.7
57.5°	729.1	724.1	732.8	749.3	809.8	902.1	1030.3	1173.7	1258.7	1307.7	1312.8
60°	755.1	754.4	763.7	791.8	859.6	943.1	1049.1	1177.3	1265.9	1309.9	1316.4
62.5°	775.3	779.6	793.3	819.2	873.2	938.8	1044.7	1192.4	1304.8	1362.5	1370.4
65°	792.6	796.9	810.6	819.2	867.5	930.2	1068.5	1202.5	1299.1	1358.9	1363.9
67.5°	801.9	807.0	804.8	806.2	843.7	892.7	1012.3	1127.6	1206.8	1261.6	1268.1
70°	800.5	796.2	778.9	760.9	768.8	803.4	911.4	1008.0	1080.0	1123.3	1125.4
72.5°	770.2	763.0	721.9	680.2	667.9	691.0	785.3	858.1	919.4	959.0	971.2
75°	701.8	687.4	627.6	573.5	546.1	563.4	636.2	699.6	745.0	783.9	791.8
77.5°	577.1	568.5	508.7	449.6	419.3	430.9	488.5	526.0	575.0	615.3	605.2
80°	420.1	418.6	370.3	317.7	296.1	301.2	332.2	368.9	399.9	430.1	431.6
82.5°	274.5	270.2	237.8	199.6	177.2	180.1	199.6	219.0	248.6	268.0	273.8
85°	136.2	134.0	119.6	95.8	83.6	83.6	92.9	104.5	118.9	127.5	126.8
87.5°	37.5	33.9	33.1	24.5	20.2	21.6	21.6	23.8	30.3	32.4	34.6
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°
0°	160.7
2.5°	162.8
5°	165.0
7.5°	168.6
10°	174.4
12.5°	180.8
15°	190.2
17.5°	201.0
20°	215.4
22.5°	233.4
25°	252.2
27.5°	277.4
30°	310.5
32.5°	349.4
35°	399.9
37.5°	456.1
40°	525.2
42.5°	616.0
45°	746.4
47.5°	849.5
50°	969.1
52.5°	1201.8
55°	1291.1
57.5°	1314.2
60°	1317.1
62.5°	1366.8
65°	1369.7
67.5°	1263.0
70°	1129.0
72.5°	969.8
75°	797.6
77.5°	616.0
80°	430.9
82.5°	269.5
85°	126.1
87.5°	31.7
90°	0.0

(END OF REPORT)