

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: P198068

Luminaire Tested: **TT-C2-LED-E1-RW-CG-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198068
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-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (168) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3443.1 lumens
Efficiency: N/A
Efficacy: 101.3 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

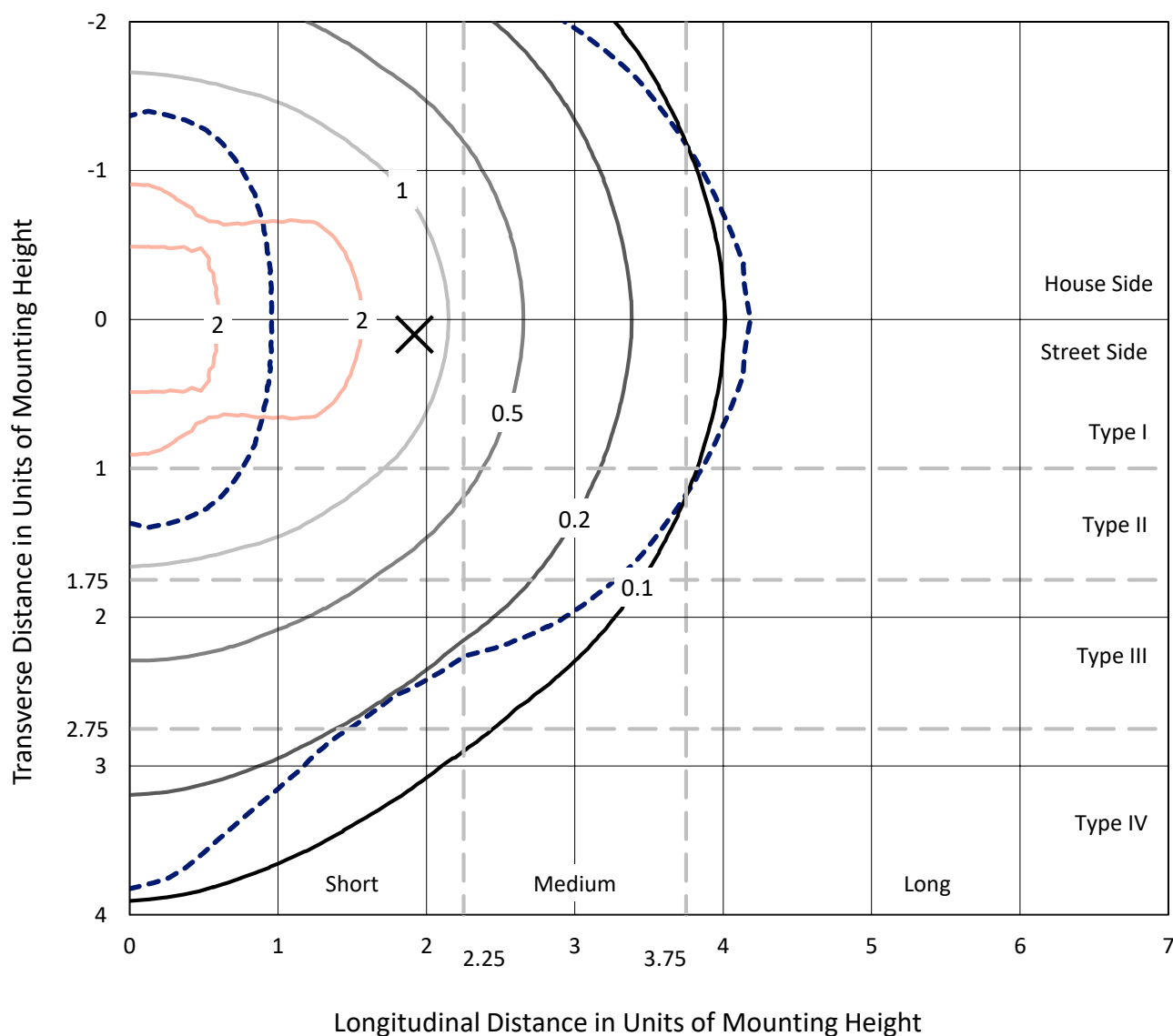


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

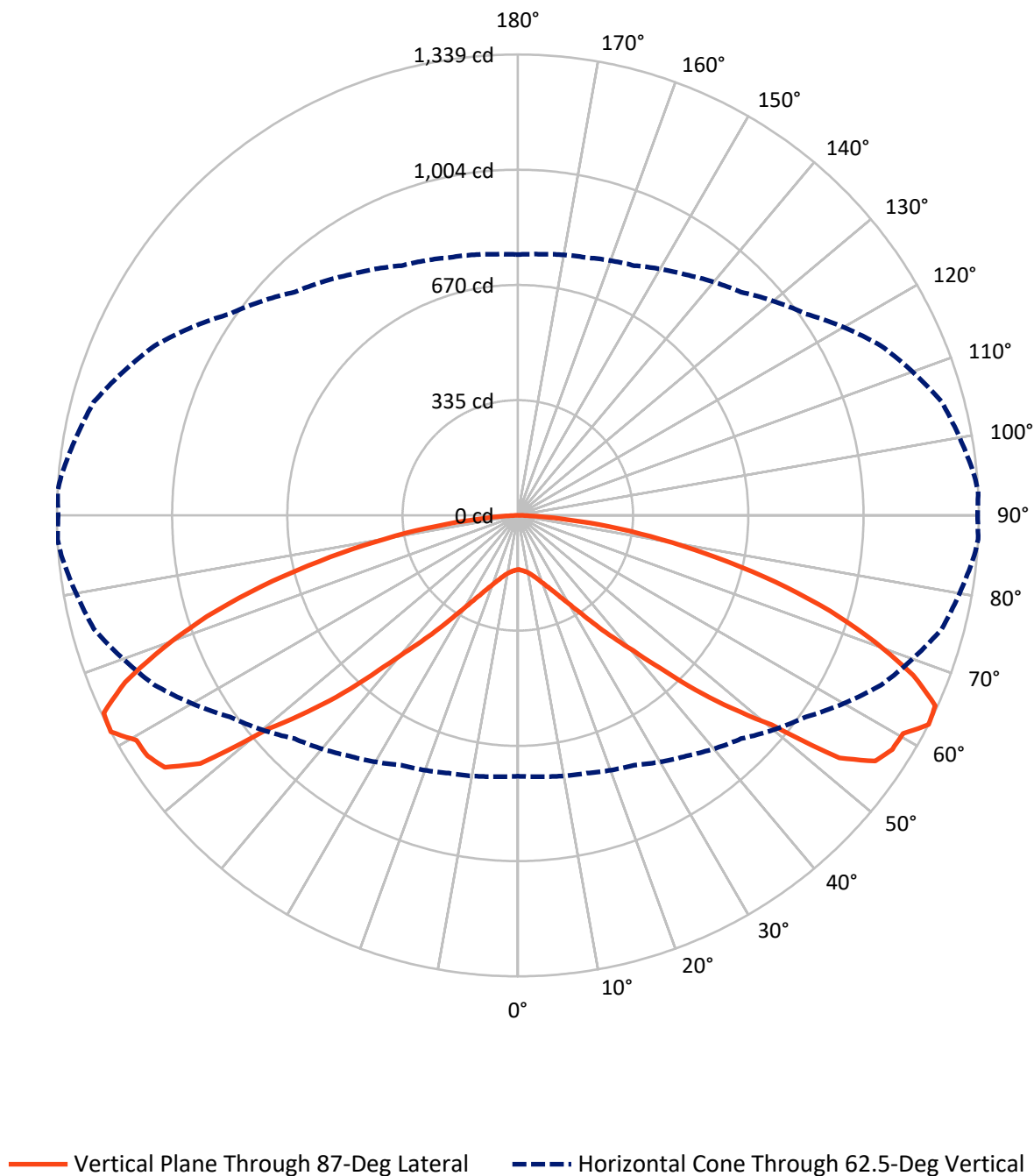


Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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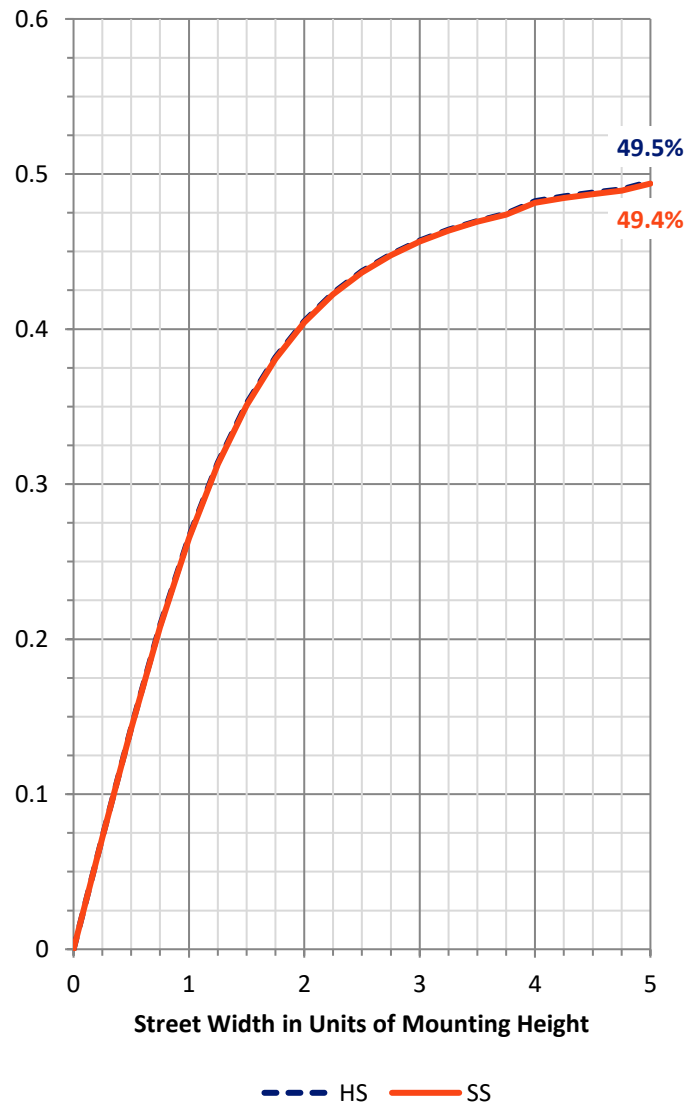
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1721.6	0.0	1721.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1721.6	0.0	1721.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	3443.1	0.0	3443.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.5
10°-20°	54.4	1.6
20°-30°	120.0	3.5
30°-40°	241.7	7.0
40°-50°	461.0	13.4
50°-60°	789.3	22.9
60°-70°	956.2	27.8
70°-80°	662.5	19.2
80°-90°	142.4	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°	3443.1	100.0
0°-180°	3443.1	100.0

Coefficient of Utilization



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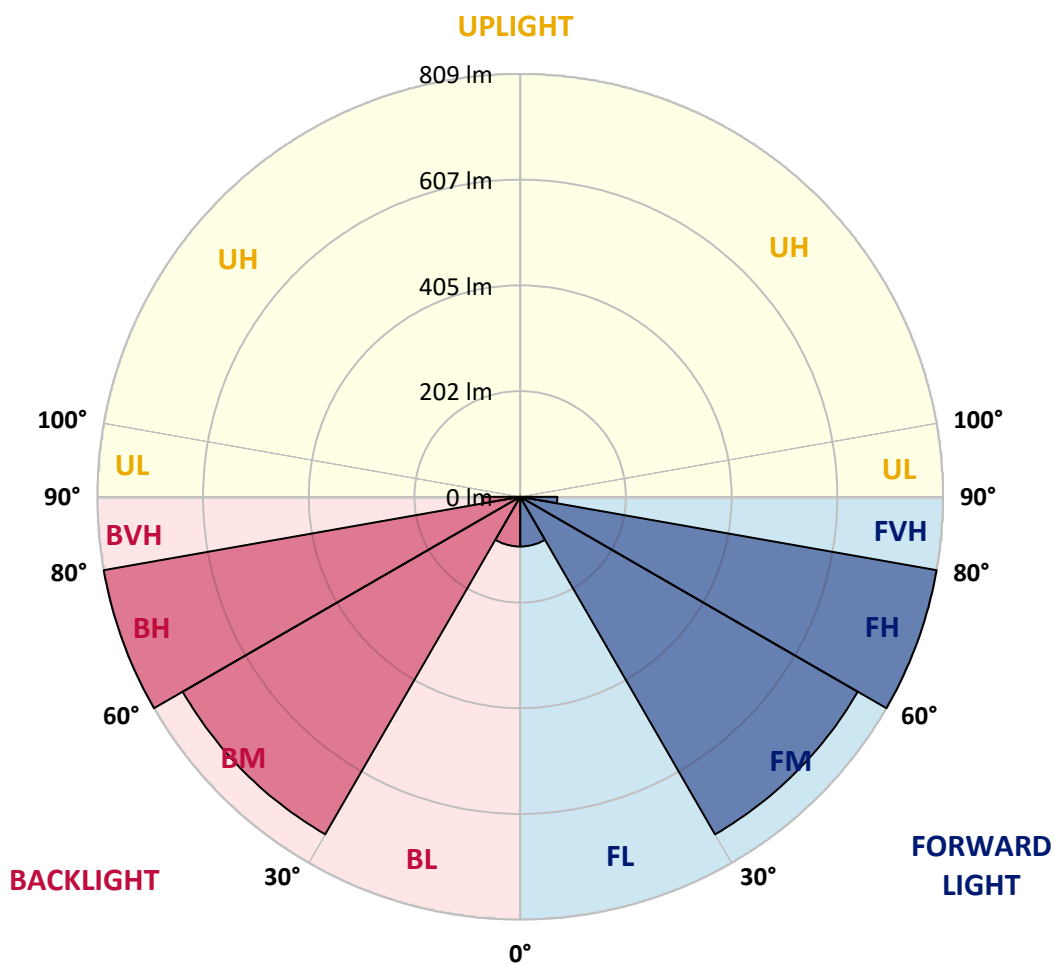
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	95.1	2.8			
FM	(30°-60°)	746.0	21.7			
FH	(60°-80°)	809.4	23.5			G1/1800
FVH	(80°-90°)	71.2	2.1			G1/100
BL	(0°-30°)	95.1	2.8	B0/110		
BM	(30°-60°)	746.0	21.7	B1/1000		
BH	(60°-80°)	809.4	23.5	B2/1000		G2/1000
BVH	(80°-90°)	71.2	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°	157.0	157.0	157.0	157.0	157.0	157.0	157.0	157.0	157.0	157.0	157.0
2.5°	158.4	158.4	159.1	159.1	159.1	159.1	159.1	159.1	159.1	159.1	159.1
5°	161.3	161.3	161.3	162.0	162.0	162.0	162.0	162.0	161.3	161.3	161.3
7.5°	165.5	165.5	165.5	166.2	166.2	166.2	165.5	165.5	164.8	164.8	164.8
10°	171.1	171.1	171.8	171.8	171.1	171.1	170.4	169.7	170.4	169.7	169.7
12.5°	178.9	180.3	179.6	179.6	178.2	178.2	177.4	177.4	177.4	176.7	176.7
15°	190.1	190.1	190.8	189.4	189.4	187.3	186.6	185.9	186.6	186.6	185.9
17.5°	203.5	203.5	203.5	201.4	200.0	198.6	197.9	197.2	196.5	197.2	197.2
20°	223.9	222.5	219.7	218.3	214.8	213.4	212.0	211.2	210.5	210.5	210.5
22.5°	245.0	243.6	240.1	237.3	234.5	231.0	229.6	226.7	226.0	227.4	226.7
25°	265.5	267.6	263.4	259.8	257.7	252.1	248.6	247.9	246.5	245.8	246.5
27.5°	290.8	292.2	288.7	283.8	279.6	275.3	271.8	270.4	271.1	271.1	271.8
30°	319.0	321.8	316.2	313.4	307.0	301.4	298.6	300.0	301.4	303.5	302.8
32.5°	351.4	351.4	348.6	343.6	336.6	331.7	330.3	332.4	338.7	341.5	340.8
35°	389.4	386.6	383.8	377.4	368.3	365.5	368.3	375.3	384.5	389.4	392.2
37.5°	428.8	423.2	419.0	411.9	407.7	406.3	412.6	426.0	435.9	445.0	449.3
40°	462.6	462.6	457.0	449.3	445.0	451.4	461.2	480.2	499.3	509.1	516.1
42.5°	496.4	500.7	494.3	488.0	488.0	496.4	515.4	545.0	580.9	602.1	605.6
45°	531.6	539.4	530.9	526.7	530.9	547.8	583.7	640.8	694.3	728.8	723.2
47.5°	568.3	575.3	567.6	565.4	575.3	605.6	660.5	733.7	787.3	823.2	837.2
50°	613.3	608.4	605.6	604.9	625.3	670.4	741.5	820.3	906.3	938.6	956.3
52.5°	651.3	642.9	641.5	646.4	680.2	734.4	823.2	968.2	1087.2	1167.5	1170.3
55°	684.4	675.3	680.2	692.2	738.0	813.3	925.3	1095.0	1195.7	1255.5	1260.4
57.5°	712.6	707.7	716.1	732.3	791.5	881.6	1007.0	1147.1	1230.2	1278.1	1283.0
60°	738.0	737.3	746.4	773.9	840.1	921.7	1025.3	1150.6	1237.2	1280.2	1286.5
62.5°	757.7	761.9	775.3	800.6	853.4	917.5	1021.0	1165.4	1275.2	1331.6	1339.3
65°	774.6	778.8	792.2	800.6	847.8	909.1	1044.3	1175.2	1269.6	1328.0	1333.0
67.5°	783.7	788.7	786.5	788.0	824.6	872.5	989.3	1102.0	1179.5	1233.0	1239.3
70°	782.3	778.1	761.2	743.6	751.3	785.1	890.8	985.1	1055.5	1097.8	1099.9
72.5°	752.7	745.7	705.6	664.7	652.8	675.3	767.5	838.7	898.5	937.2	949.2
75°	685.9	671.8	613.3	560.5	533.8	550.7	621.8	683.7	728.1	766.1	773.9
77.5°	564.0	555.6	497.1	439.4	409.8	421.1	477.4	514.0	561.9	601.4	591.5
80°	410.5	409.1	361.9	310.5	289.4	294.3	324.6	360.5	390.8	420.4	421.8
82.5°	268.3	264.1	232.4	195.1	173.2	176.0	195.1	214.1	242.9	261.9	267.6
85°	133.1	131.0	116.9	93.7	81.7	81.7	90.8	102.1	116.2	124.6	123.9
87.5°	36.6	33.1	32.4	23.9	19.7	21.1	21.1	23.2	29.6	31.7	33.8
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°	157.0
2.5°	159.1
5°	161.3
7.5°	164.8
10°	170.4
12.5°	176.7
15°	185.9
17.5°	196.5
20°	210.5
22.5°	228.1
25°	246.5
27.5°	271.1
30°	303.5
32.5°	341.5
35°	390.8
37.5°	445.7
40°	513.3
42.5°	602.1
45°	729.5
47.5°	830.2
50°	947.1
52.5°	1174.5
55°	1261.9
57.5°	1284.4
60°	1287.2
62.5°	1335.8
65°	1338.6
67.5°	1234.4
70°	1103.4
72.5°	947.8
75°	779.5
77.5°	602.1
80°	421.1
82.5°	263.4
85°	123.2
87.5°	31.0
90°	0.0

(END OF REPORT)