

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: P198139

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198139
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34699)
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-SG-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3463.5 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full 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



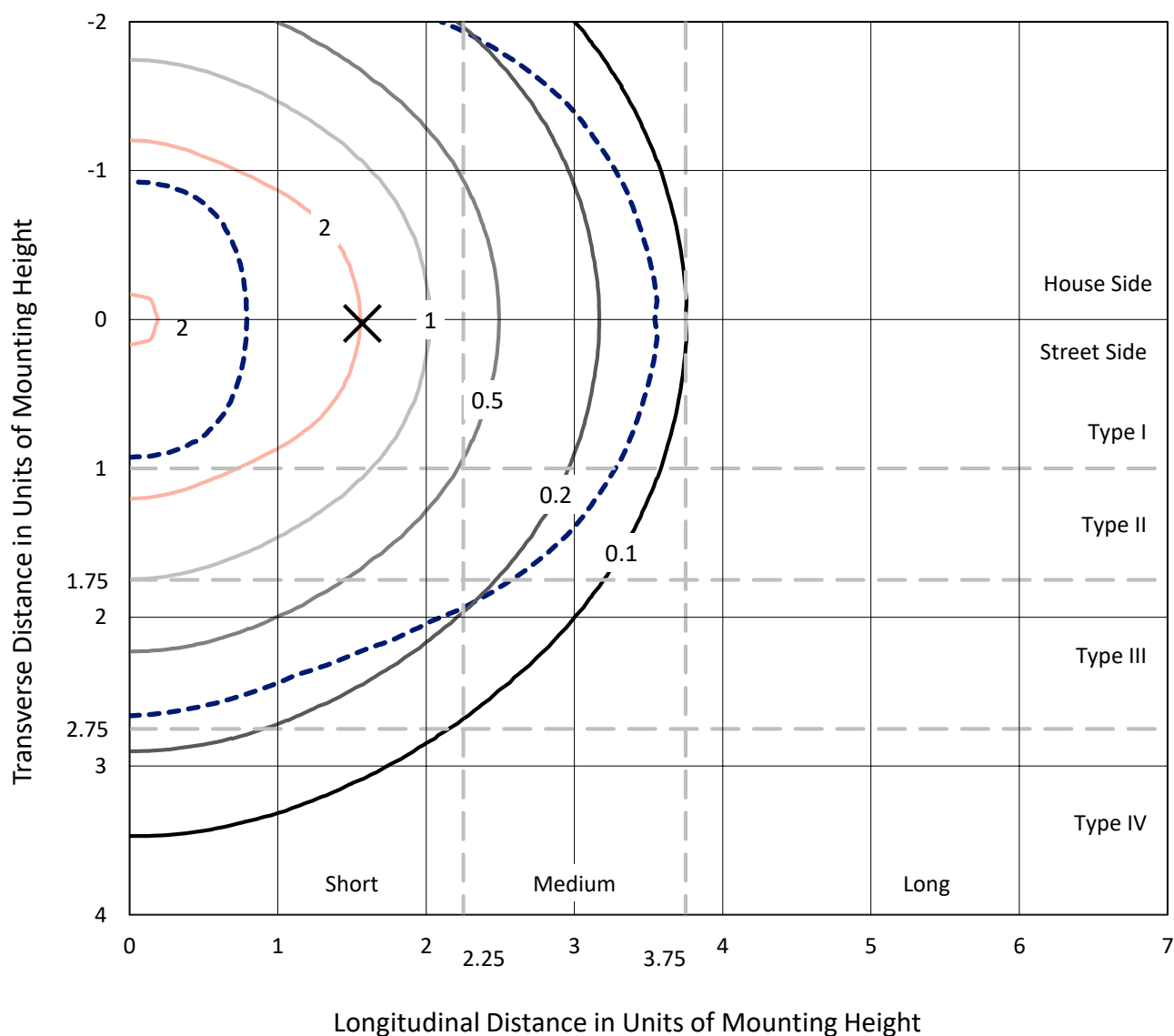
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

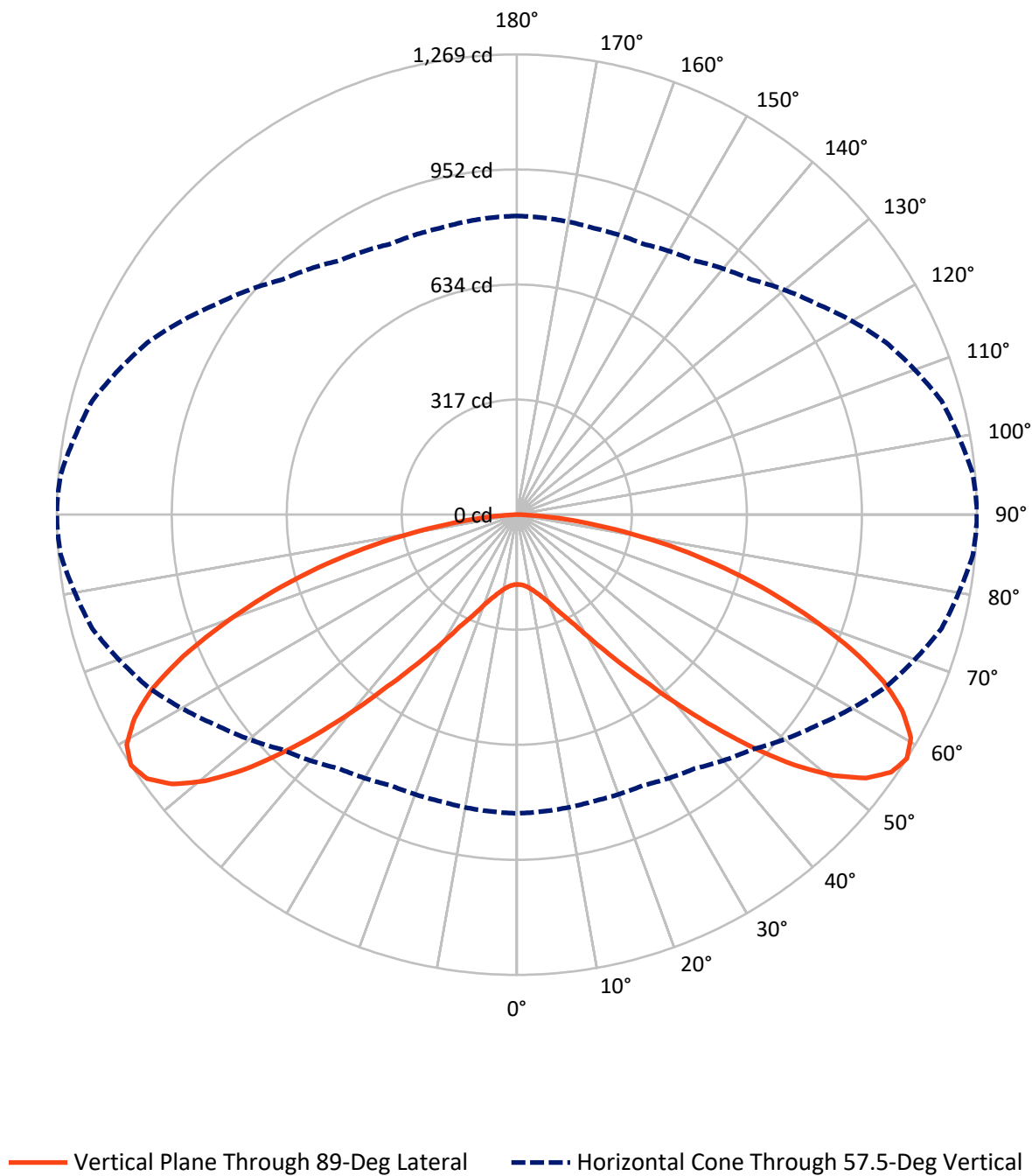


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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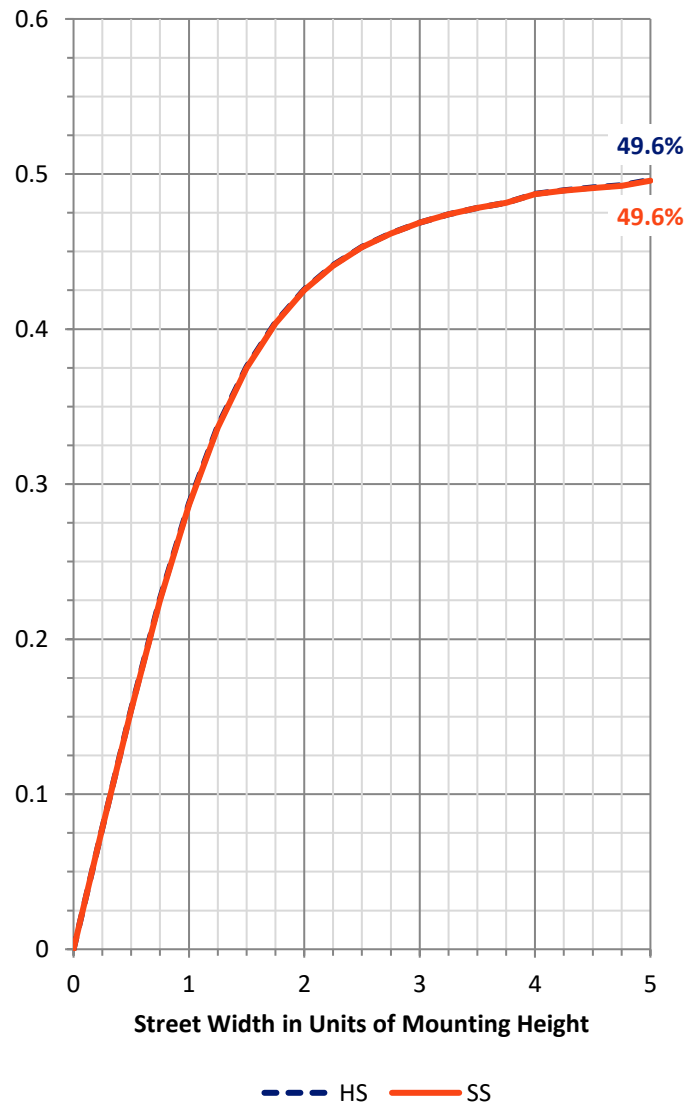
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1731.7	0.0	1731.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1731.7	0.0	1731.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3463.5	0.0	3463.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	0.6
10°-20°	66.7	1.9
20°-30°	149.4	4.3
30°-40°	309.2	8.9
40°-50°	586.9	16.9
50°-60°	858.7	24.8
60°-70°	856.2	24.7
70°-80°	509.6	14.7
80°-90°	107.8	3.1
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°	3463.5	100.0
0°-180°	3463.5	100.0

Coefficient of Utilization



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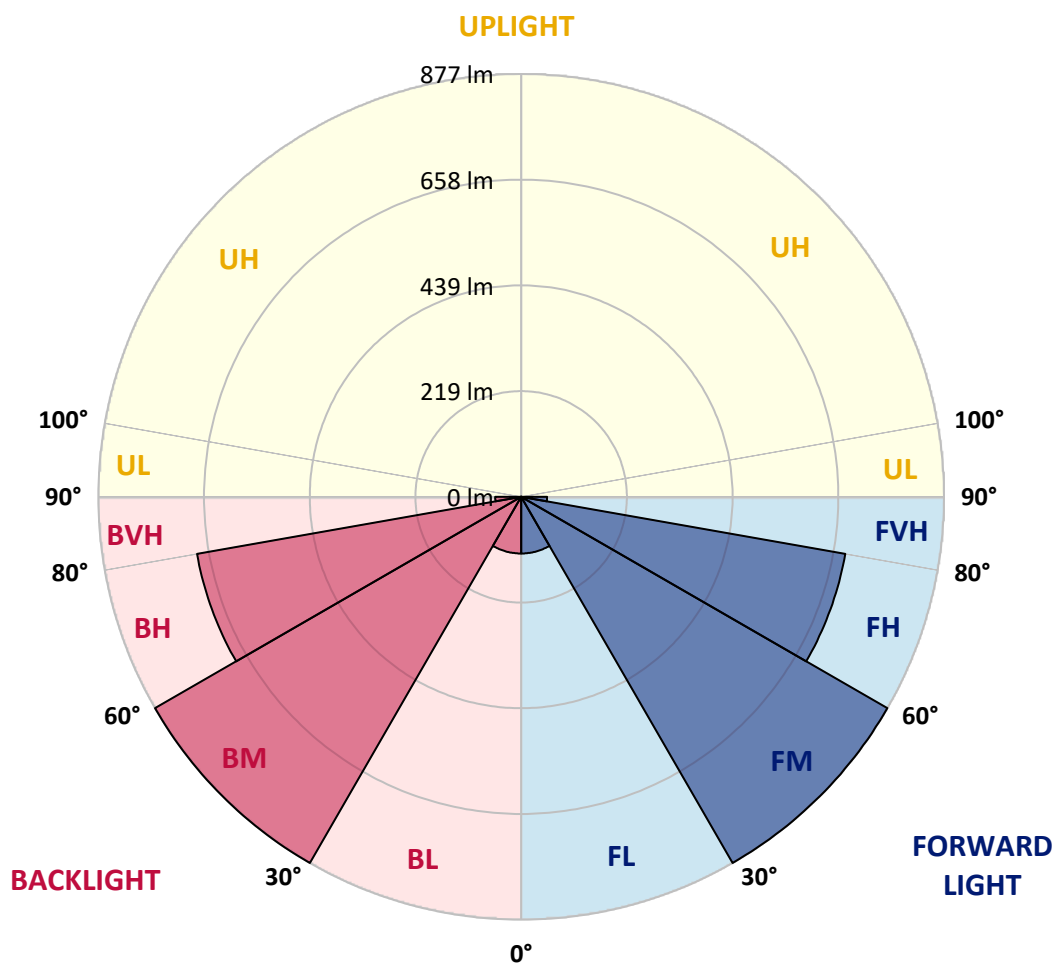
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	117.6	3.4			
FM	(30°-60°)	877.4	25.3			
FH	(60°-80°)	682.9	19.7			G1/1800
FVH	(80°-90°)	53.9	1.6			G1/100
BL	(0°-30°)	117.6	3.4	B1/500		
BM	(30°-60°)	877.4	25.3	B1/1000		
BH	(60°-80°)	682.9	19.7	B2/1000		G2/1000
BVH	(80°-90°)	53.9	1.6			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	192.4	192.4	192.4	192.4	192.4	192.4	192.4	192.4	192.4	192.4	192.4
2.5°	193.8	193.8	193.8	193.8	193.1	193.1	193.1	193.1	193.1	193.1	193.1
5°	196.7	196.7	196.0	196.7	196.0	196.0	196.0	196.0	196.0	196.0	196.0
7.5°	201.0	201.0	201.0	201.0	201.0	201.0	200.3	201.0	200.3	200.3	200.3
10°	208.9	208.2	208.9	208.2	208.2	207.5	207.5	207.5	207.5	207.5	207.5
12.5°	219.0	219.0	219.0	218.3	217.6	217.6	216.9	216.9	216.9	216.2	216.9
15°	232.7	233.4	231.3	230.6	230.6	229.1	228.4	229.1	228.4	227.7	228.4
17.5°	249.3	250.0	248.6	247.1	245.7	245.0	244.3	243.5	243.5	243.5	242.8
20°	270.9	270.9	269.5	266.6	264.4	263.0	263.0	262.3	262.3	263.0	260.8
22.5°	295.4	294.7	293.2	291.8	288.9	286.0	284.6	283.9	283.9	285.3	286.0
25°	325.7	326.4	322.1	319.2	316.3	311.3	310.5	311.3	312.0	312.0	313.4
27.5°	356.6	358.1	354.5	350.2	345.8	343.7	342.2	343.7	345.1	347.3	346.6
30°	393.4	392.7	392.0	385.5	380.4	378.3	379.7	384.0	387.6	392.7	393.4
32.5°	433.0	434.5	429.4	424.4	422.2	420.1	422.2	431.6	441.7	444.5	448.2
35°	479.9	477.0	474.1	470.5	466.9	466.9	477.7	488.5	504.4	515.2	515.2
37.5°	527.4	525.2	520.2	515.2	515.2	522.4	533.2	559.8	582.9	598.7	592.3
40°	576.4	573.5	572.1	566.3	567.0	584.3	607.4	640.5	673.7	696.0	691.7
42.5°	626.1	626.8	621.8	619.6	626.1	645.6	685.9	730.6	772.4	800.5	801.2
45°	677.3	677.3	673.7	672.2	684.5	714.0	764.5	825.7	881.9	914.3	917.9
47.5°	724.1	723.4	720.5	719.8	740.7	776.0	839.4	917.9	987.1	1023.1	1032.5
50°	764.5	765.2	760.9	764.5	783.2	830.0	906.4	1001.5	1080.8	1126.1	1130.5
52.5°	796.2	796.9	791.8	794.7	819.9	874.0	959.0	1065.6	1152.1	1200.4	1206.1
55°	817.8	814.9	811.3	815.6	844.4	904.2	997.2	1108.1	1198.2	1248.6	1253.0
57.5°	823.5	821.4	817.8	823.5	854.5	915.8	1011.6	1123.3	1212.6	1263.0	1268.8
60°	814.9	814.9	810.6	817.0	848.0	907.8	1001.5	1109.6	1194.6	1240.7	1248.6
62.5°	792.6	792.6	787.5	792.6	822.1	877.6	966.9	1067.1	1144.2	1184.5	1193.9
65°	750.8	750.0	747.2	748.6	773.1	825.7	907.1	997.9	1064.9	1100.9	1113.2
67.5°	690.2	688.1	685.2	688.1	706.1	752.9	827.9	907.1	962.6	997.2	1000.1
70°	613.1	611.0	607.4	605.9	624.7	662.1	722.7	792.6	838.7	863.9	866.8
72.5°	521.6	524.5	521.6	517.3	529.6	562.7	613.1	666.5	704.7	727.7	731.3
75°	431.6	432.3	425.1	423.7	433.0	453.9	495.0	536.1	569.2	588.7	594.4
77.5°	334.3	334.3	327.8	324.2	329.3	347.3	375.4	408.5	435.9	448.2	458.2
80°	240.6	240.6	234.9	226.2	231.3	240.6	265.9	283.9	305.5	319.2	320.6
82.5°	150.6	148.4	149.9	143.4	144.8	147.7	163.6	175.8	188.8	196.0	196.7
85°	78.5	75.7	74.2	70.6	68.4	73.5	80.7	89.3	92.2	98.7	96.5
87.5°	24.5	23.1	22.3	22.3	20.2	21.6	22.3	23.8	27.4	27.4	28.8
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°	192.4
2.5°	193.1
5°	196.0
7.5°	200.3
10°	207.5
12.5°	216.2
15°	228.4
17.5°	243.5
20°	260.8
22.5°	283.9
25°	312.0
27.5°	345.1
30°	392.7
32.5°	446.0
35°	510.8
37.5°	599.5
40°	691.0
42.5°	806.2
45°	917.9
47.5°	1032.5
50°	1128.3
52.5°	1204.0
55°	1255.1
57.5°	1268.8
60°	1246.5
62.5°	1191.7
65°	1111.7
67.5°	1000.1
70°	871.1
72.5°	729.1
75°	587.9
77.5°	455.4
80°	320.6
82.5°	202.5
85°	96.5
87.5°	31.0
90°	0.0

(END OF REPORT)