

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: P197970

Luminaire Tested: **TT-C2-LED-E1-RW-MS/DIM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34692)
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-MS/DIM
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3613.4 lumens
Efficiency: N/A
Efficacy: 106.3 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



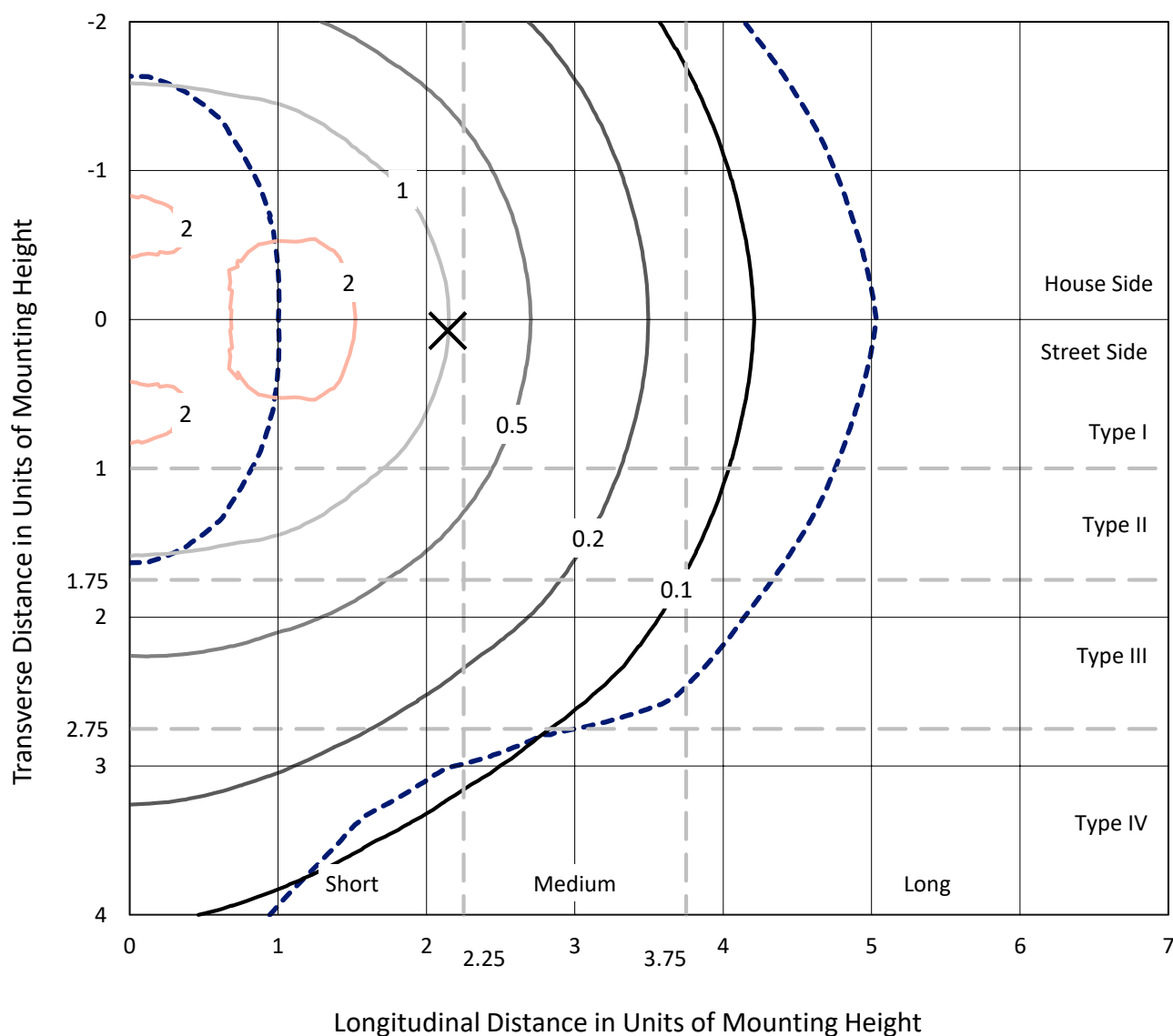
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

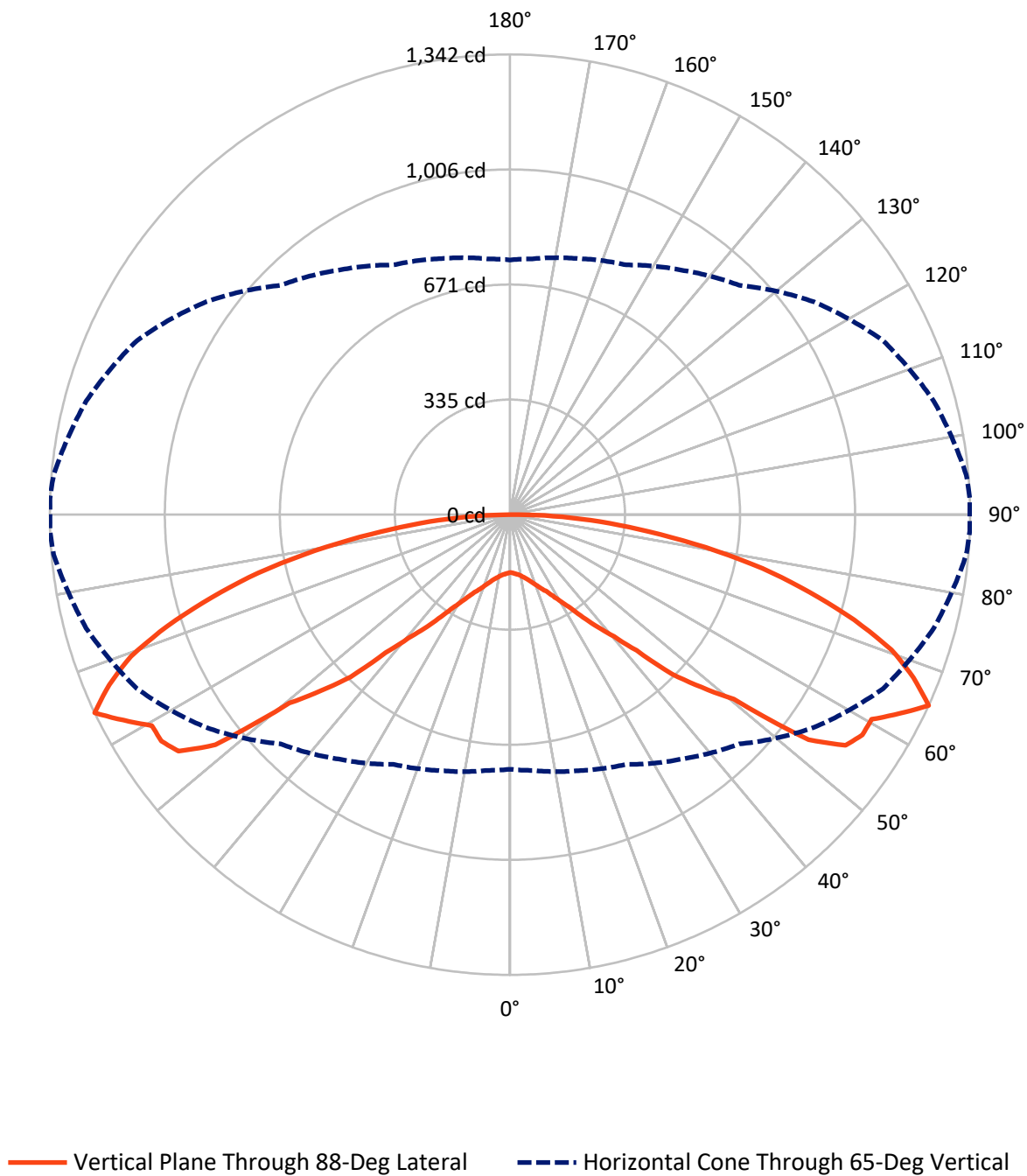


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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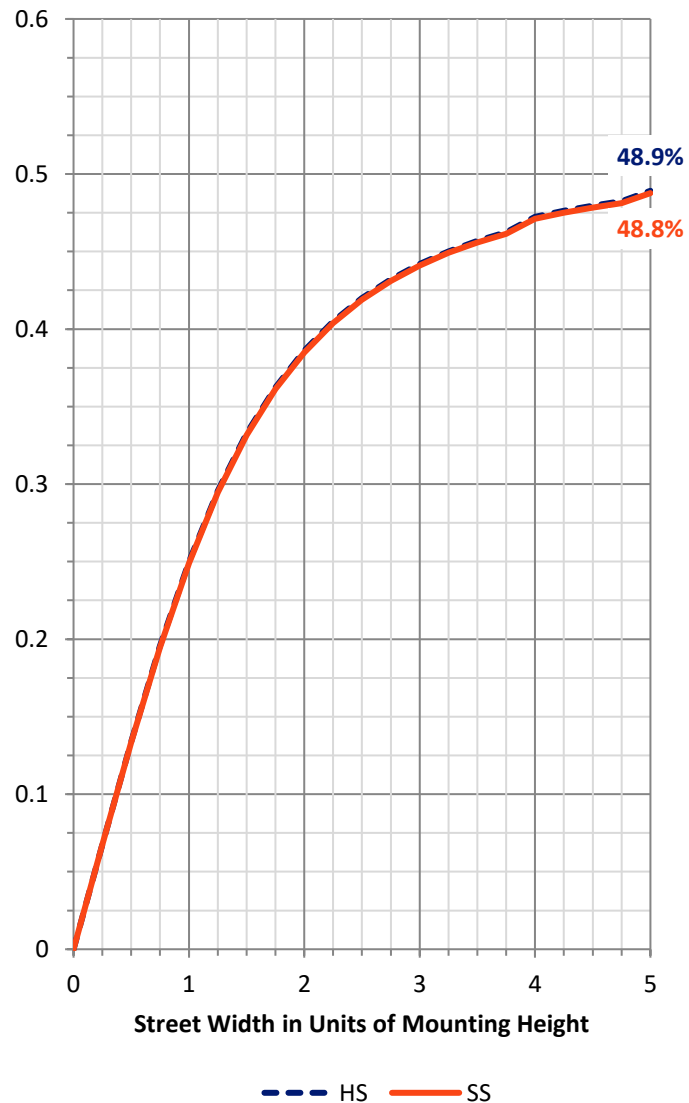
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1806.7	0.0	1806.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1806.7	0.0	1806.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3613.4	0.0	3613.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.9	0.5
10°-20°	57.6	1.6
20°-30°	122.3	3.4
30°-40°	233.7	6.5
40°-50°	429.6	11.9
50°-60°	744.0	20.6
60°-70°	968.0	26.8
70°-80°	793.3	22.0
80°-90°	248.0	6.9
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°	3613.4	100.0
0°-180°	3613.4	100.0

Coefficient of Utilization



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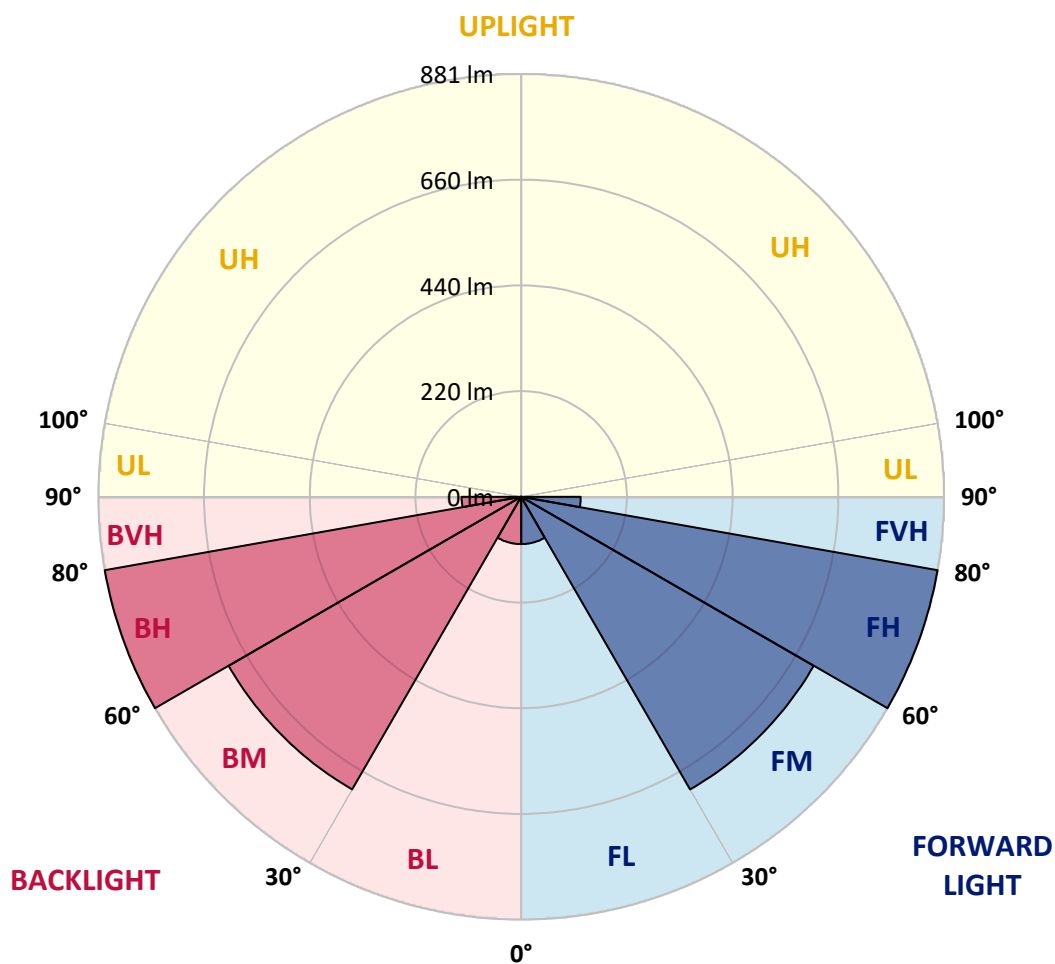
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	98.4	2.7			
FM	(30°-60°)	703.7	19.5			
FH	(60°-80°)	880.6	24.4			G1/1800
FVH	(80°-90°)	124.0	3.4			G2/225
BL	(0°-30°)	98.4	2.7	B0/110		
BM	(30°-60°)	703.7	19.5	B1/1000		
BH	(60°-80°)	880.6	24.4	B2/1000		G2/1000
BVH	(80°-90°)	124.0	3.4			G2/225
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°	88°
0°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8
2.5°	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4
5°	173.4	173.4	173.4	174.2	174.2	174.2	174.2	174.2	173.4	173.4	173.4
7.5°	177.2	177.2	178.0	178.0	178.0	178.0	177.2	177.2	176.4	176.4	176.4
10°	183.3	183.3	184.0	184.0	183.3	182.5	182.5	182.5	181.8	181.8	181.8
12.5°	191.7	191.7	192.4	191.7	190.9	190.1	190.1	189.4	188.6	188.6	188.6
15°	203.1	203.1	202.3	200.8	199.3	199.3	197.0	197.0	197.0	197.0	196.2
17.5°	218.3	217.5	214.5	213.7	211.4	209.9	208.4	207.6	206.9	206.9	207.6
20°	235.0	233.5	229.7	229.7	225.9	223.6	222.1	220.6	220.6	219.8	219.0
22.5°	254.8	253.3	248.7	247.2	243.4	239.6	238.0	234.2	233.5	233.5	234.2
25°	274.6	275.3	271.5	268.5	263.1	259.3	254.0	251.7	249.5	249.5	247.9
27.5°	297.4	298.1	293.6	289.8	285.2	277.6	274.6	271.5	269.2	270.8	269.2
30°	321.7	323.2	319.4	314.9	308.0	300.4	296.6	295.8	293.6	295.1	294.3
32.5°	349.8	349.1	346.8	342.2	333.1	327.0	324.0	323.2	324.7	325.5	324.7
35°	382.5	379.5	377.2	370.4	362.0	357.5	354.4	357.5	364.3	368.9	367.3
37.5°	416.8	412.2	409.9	402.3	394.7	392.4	396.2	402.3	409.2	415.3	415.3
40°	444.9	446.4	441.1	434.3	428.2	430.5	437.3	448.0	461.6	467.7	467.0
42.5°	473.1	477.6	472.3	465.4	466.2	473.1	482.9	502.7	533.1	542.3	541.5
45°	498.2	508.0	503.5	498.9	505.8	517.2	543.8	587.9	629.7	660.9	663.2
47.5°	530.9	536.2	533.9	533.9	544.5	571.2	611.5	673.1	717.2	746.8	751.4
50°	568.1	562.8	563.6	570.4	597.0	636.6	691.3	749.1	828.2	841.9	845.7
52.5°	599.3	590.2	595.5	608.4	647.2	697.4	765.9	884.5	985.7	1076.9	1089.8
55°	631.2	620.6	631.2	651.8	708.8	778.8	879.2	1016.8	1123.3	1180.4	1187.2
57.5°	655.6	654.1	669.3	698.9	768.9	862.4	975.8	1093.7	1165.1	1205.4	1211.5
60°	686.0	687.5	705.0	744.6	828.2	918.0	1002.4	1110.4	1181.1	1204.7	1211.5
62.5°	714.9	721.0	741.5	786.4	859.4	927.9	1009.2	1140.0	1229.8	1280.7	1276.2
65°	742.3	748.4	772.7	803.1	870.1	945.3	1081.5	1200.1	1279.2	1335.5	1341.6
67.5°	769.7	777.3	787.2	811.5	876.1	946.9	1064.7	1164.4	1228.3	1267.1	1269.3
70°	793.2	792.5	790.2	797.0	837.3	892.1	1001.6	1080.7	1140.8	1172.7	1180.4
72.5°	796.3	794.0	767.4	747.6	760.5	803.9	908.8	972.0	1017.6	1044.2	1049.5
75°	771.2	758.3	705.8	663.2	660.9	704.3	792.5	838.1	865.5	899.7	902.0
77.5°	689.8	675.4	616.8	559.0	559.0	587.1	660.9	685.2	719.5	745.3	752.2
80°	556.0	554.4	493.6	448.0	431.2	454.8	514.9	524.0	549.9	571.9	578.8
82.5°	402.3	390.9	357.5	318.7	305.0	320.2	361.3	370.4	380.3	400.0	408.4
85°	243.4	244.1	221.3	199.3	181.8	187.1	219.0	232.0	244.9	257.8	262.4
87.5°	87.5	101.2	79.1	70.0	60.8	57.8	67.7	83.7	98.1	116.4	126.2
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°	168.8
2.5°	170.4
5°	172.6
7.5°	176.4
10°	181.8
12.5°	188.6
15°	196.2
17.5°	206.1
20°	219.0
22.5°	232.7
25°	248.7
27.5°	270.8
30°	293.6
32.5°	324.7
35°	371.1
37.5°	415.3
40°	469.3
42.5°	544.5
45°	666.2
47.5°	750.6
50°	852.6
52.5°	1079.2
55°	1189.5
57.5°	1213.1
60°	1211.5
62.5°	1288.3
65°	1340.8
67.5°	1270.9
70°	1183.4
72.5°	1047.3
75°	907.3
77.5°	756.0
80°	581.8
82.5°	405.4
85°	273.0
87.5°	112.6
90°	0.0

(END OF REPORT)