

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: P197971

Luminaire Tested: **TT-C2-LED-E1-RW-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197971
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-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3423.1 lumens
Efficiency: N/A
Efficacy: 100.7 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



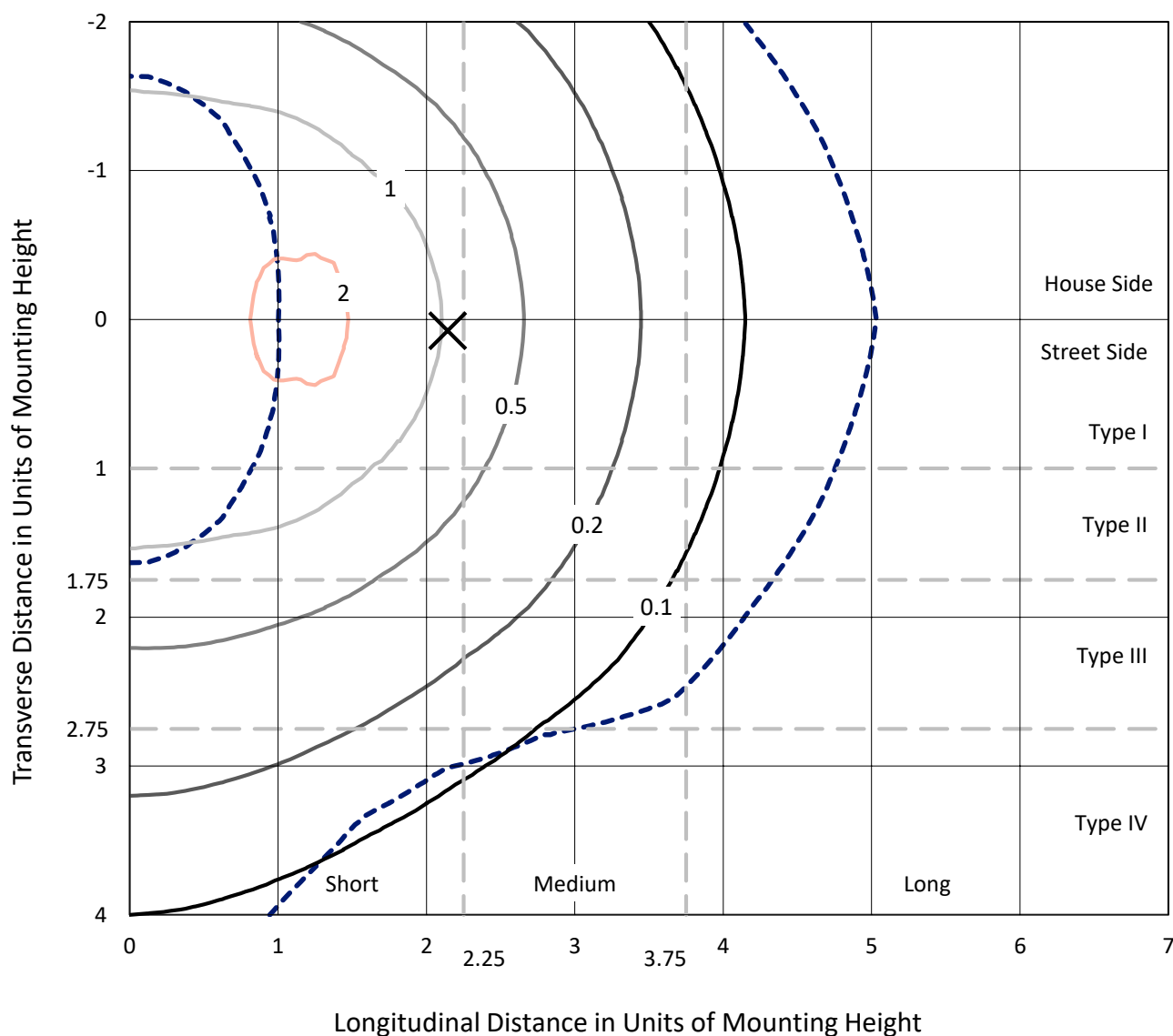
REPORT NUMBER: P197971

CATALOG NUMBER: TT-C2-LED-E1-RW-MS/DIM-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

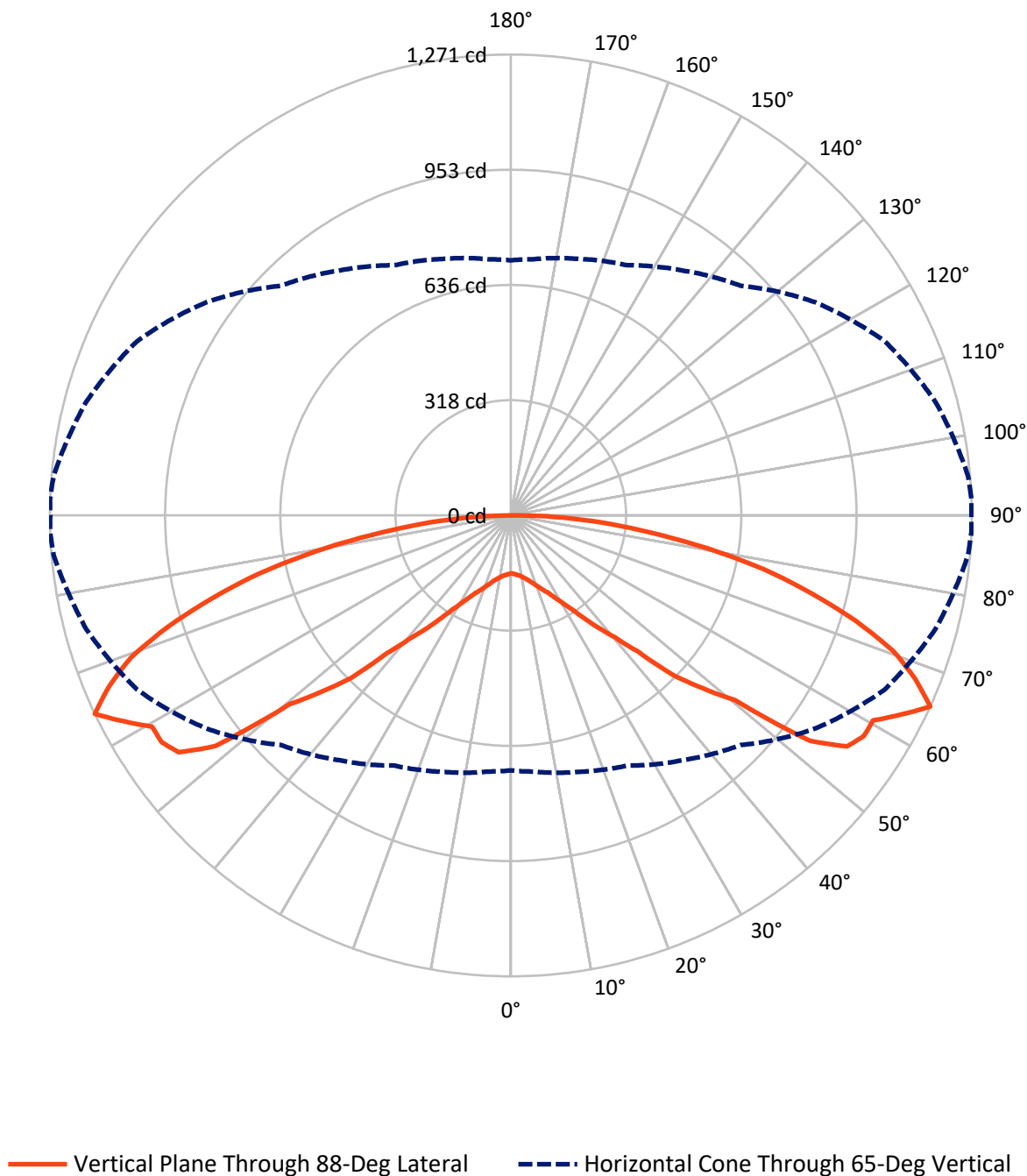


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
Type IV - Short - Semi-Cutoff

REPORT NUMBER: P197971

CATALOG NUMBER: TT-C2-LED-E1-RW-MS/DIM-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P197971

CATALOG NUMBER: TT-C2-LED-E1-RW-MS/DIM-7050

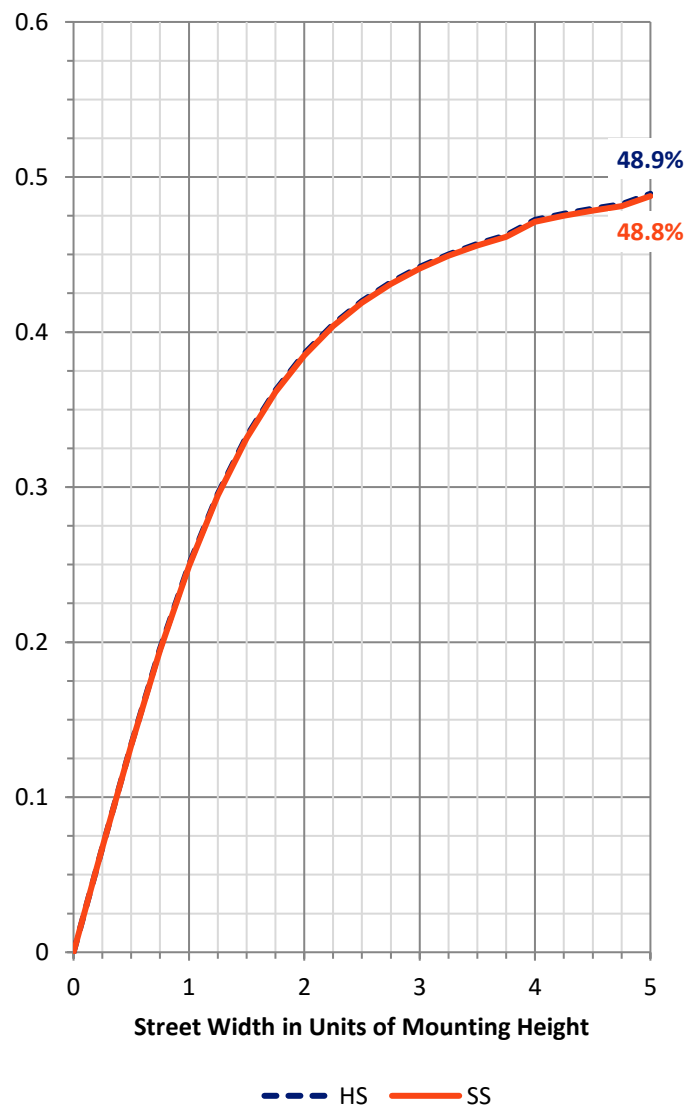
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1711.6	0.0	1711.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1711.6	0.0	1711.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	3423.1	0.0	3423.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.0	0.5
10°-20°	54.6	1.6
20°-30°	115.9	3.4
30°-40°	221.4	6.5
40°-50°	407.0	11.9
50°-60°	704.9	20.6
60°-70°	917.0	26.8
70°-80°	751.5	22.0
80°-90°	234.9	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°	3423.1	100.0
0°-180°	3423.1	100.0

Coefficient of Utilization



REPORT NUMBER: P197971

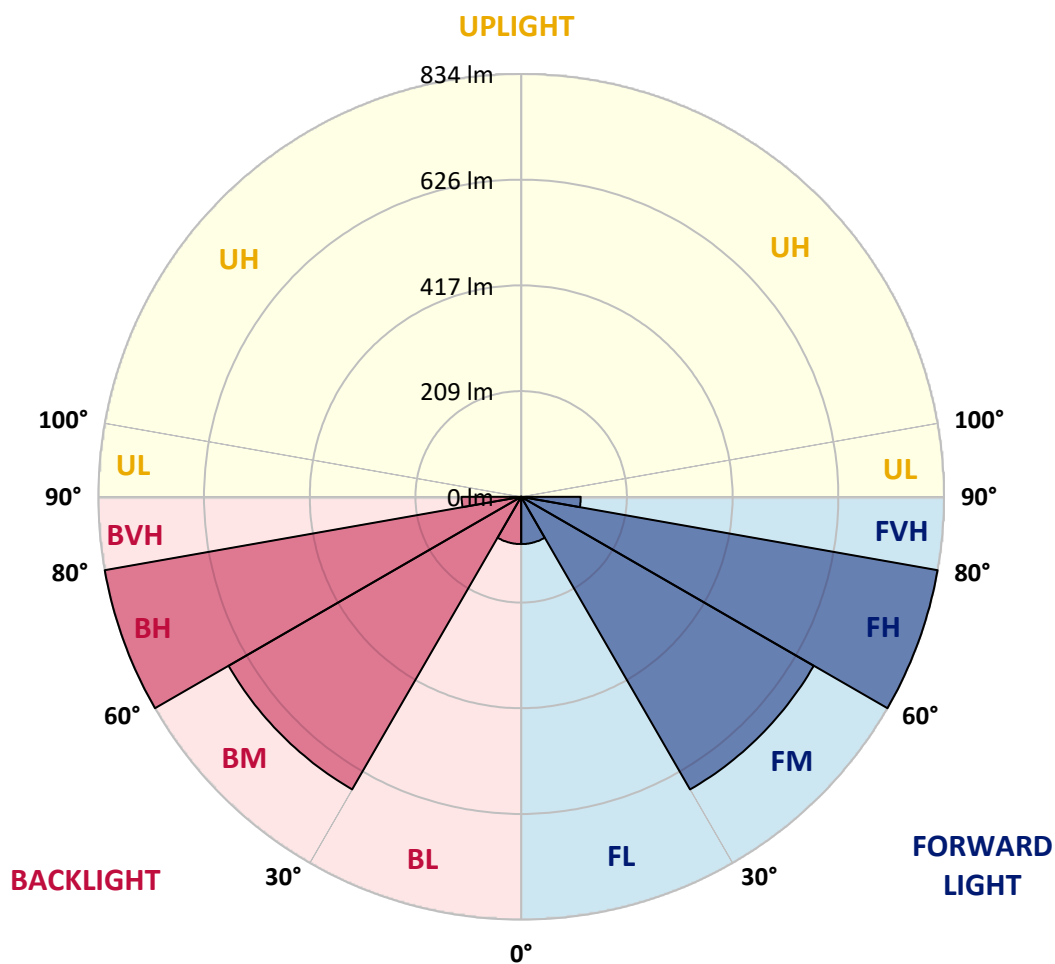
CATALOG NUMBER: TT-C2-LED-E1-RW-MS/DIM-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	93.2	2.7			
FM	(30°-60°)	666.6	19.5			
FH	(60°-80°)	834.3	24.4			G1/1800
FVH	(80°-90°)	117.5	3.4			G2/225
BL	(0°-30°)	93.2	2.7	B0/110		
BM	(30°-60°)	666.6	19.5	B1/1000		
BH	(60°-80°)	834.3	24.4	B2/1000		G2/1000
BVH	(80°-90°)	117.5	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



REPORT NUMBER: P197971

CATALOG NUMBER: TT-C2-LED-E1-RW-MS/DIM-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
2.5°	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4
5°	164.3	164.3	164.3	165.0	165.0	165.0	165.0	165.0	164.3	164.3	164.3
7.5°	167.9	167.9	168.6	168.6	168.6	168.6	167.9	167.9	167.2	167.2	167.2
10°	173.6	173.6	174.4	174.4	173.6	172.9	172.9	172.9	172.2	172.2	172.2
12.5°	181.6	181.6	182.3	181.6	180.8	180.1	180.1	179.4	178.7	178.7	178.7
15°	192.4	192.4	191.7	190.2	188.8	188.8	186.6	186.6	186.6	186.6	185.9
17.5°	206.8	206.1	203.2	202.5	200.3	198.9	197.4	196.7	196.0	196.0	196.7
20°	222.6	221.2	217.6	217.6	214.0	211.8	210.4	208.9	208.9	208.2	207.5
22.5°	241.4	239.9	235.6	234.2	230.6	227.0	225.5	221.9	221.2	221.2	221.9
25°	260.1	260.8	257.2	254.3	249.3	245.7	240.6	238.5	236.3	236.3	234.9
27.5°	281.7	282.4	278.1	274.5	270.2	263.0	260.1	257.2	255.1	256.5	255.1
30°	304.8	306.2	302.6	298.3	291.8	284.6	281.0	280.3	278.1	279.6	278.8
32.5°	331.4	330.7	328.5	324.2	315.6	309.8	306.9	306.2	307.7	308.4	307.7
35°	362.4	359.5	357.4	350.9	343.0	338.6	335.8	338.6	345.1	349.4	348.0
37.5°	394.8	390.5	388.4	381.1	373.9	371.8	375.4	381.1	387.6	393.4	393.4
40°	421.5	422.9	417.9	411.4	405.6	407.8	414.3	424.4	437.3	443.1	442.4
42.5°	448.2	452.5	447.4	440.9	441.7	448.2	457.5	476.3	505.1	513.7	513.0
45°	471.9	481.3	477.0	472.6	479.1	489.9	515.2	556.9	596.6	626.1	628.3
47.5°	502.9	508.0	505.8	505.8	515.9	541.1	579.3	637.6	679.4	707.5	711.9
50°	538.2	533.2	533.9	540.4	565.6	603.1	654.9	709.7	784.6	797.6	801.2
52.5°	567.8	559.1	564.2	576.4	613.1	660.7	725.5	837.9	933.8	1020.2	1032.5
55°	598.0	587.9	598.0	617.5	671.5	737.8	832.9	963.3	1064.2	1118.2	1124.7
57.5°	621.1	619.6	634.0	662.1	728.4	817.0	924.4	1036.1	1103.8	1142.0	1147.8
60°	649.9	651.3	667.9	705.4	784.6	869.6	949.6	1051.9	1118.9	1141.3	1147.8
62.5°	677.3	683.0	702.5	745.0	814.2	879.0	956.1	1080.0	1165.1	1213.3	1209.0
65°	703.2	709.0	732.0	760.9	824.3	895.6	1024.6	1137.0	1211.9	1265.2	1271.0
67.5°	729.1	736.4	745.7	768.8	830.0	897.0	1008.7	1103.1	1163.6	1200.4	1202.5
70°	751.5	750.8	748.6	755.1	793.3	845.1	948.9	1023.8	1080.8	1111.0	1118.2
72.5°	754.4	752.2	727.0	708.3	720.5	761.6	861.0	920.8	964.0	989.2	994.3
75°	730.6	718.3	668.6	628.3	626.1	667.2	750.8	794.0	819.9	852.4	854.5
77.5°	653.5	639.8	584.3	529.6	529.6	556.2	626.1	649.2	681.6	706.1	712.6
80°	526.7	525.2	467.6	424.4	408.5	430.9	487.8	496.4	520.9	541.8	548.3
82.5°	381.1	370.3	338.6	301.9	288.9	303.3	342.2	350.9	360.3	379.0	386.9
85°	230.6	231.3	209.7	188.8	172.2	177.2	207.5	219.8	232.0	244.3	248.6
87.5°	82.9	95.8	74.9	66.3	57.6	54.8	64.1	79.3	92.9	110.2	119.6
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: P197971

CATALOG NUMBER: TT-C2-LED-E1-RW-MS/DIM-7050

CANDELA DISTRIBUTION (continued):

	90°
0°	160.0
2.5°	161.4
5°	163.6
7.5°	167.2
10°	172.2
12.5°	178.7
15°	185.9
17.5°	195.3
20°	207.5
22.5°	220.5
25°	235.6
27.5°	256.5
30°	278.1
32.5°	307.7
35°	351.6
37.5°	393.4
40°	444.5
42.5°	515.9
45°	631.2
47.5°	711.1
50°	807.7
52.5°	1022.4
55°	1126.9
57.5°	1149.2
60°	1147.8
62.5°	1220.5
65°	1270.2
67.5°	1204.0
70°	1121.1
72.5°	992.1
75°	859.6
77.5°	716.2
80°	551.2
82.5°	384.0
85°	258.7
87.5°	106.6
90°	0.0

(END OF REPORT)