

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: P197972

Luminaire Tested: **TT-C2-LED-E1-RW-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197972
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-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3345.5 lumens
Efficiency: N/A
Efficacy: 98.4 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



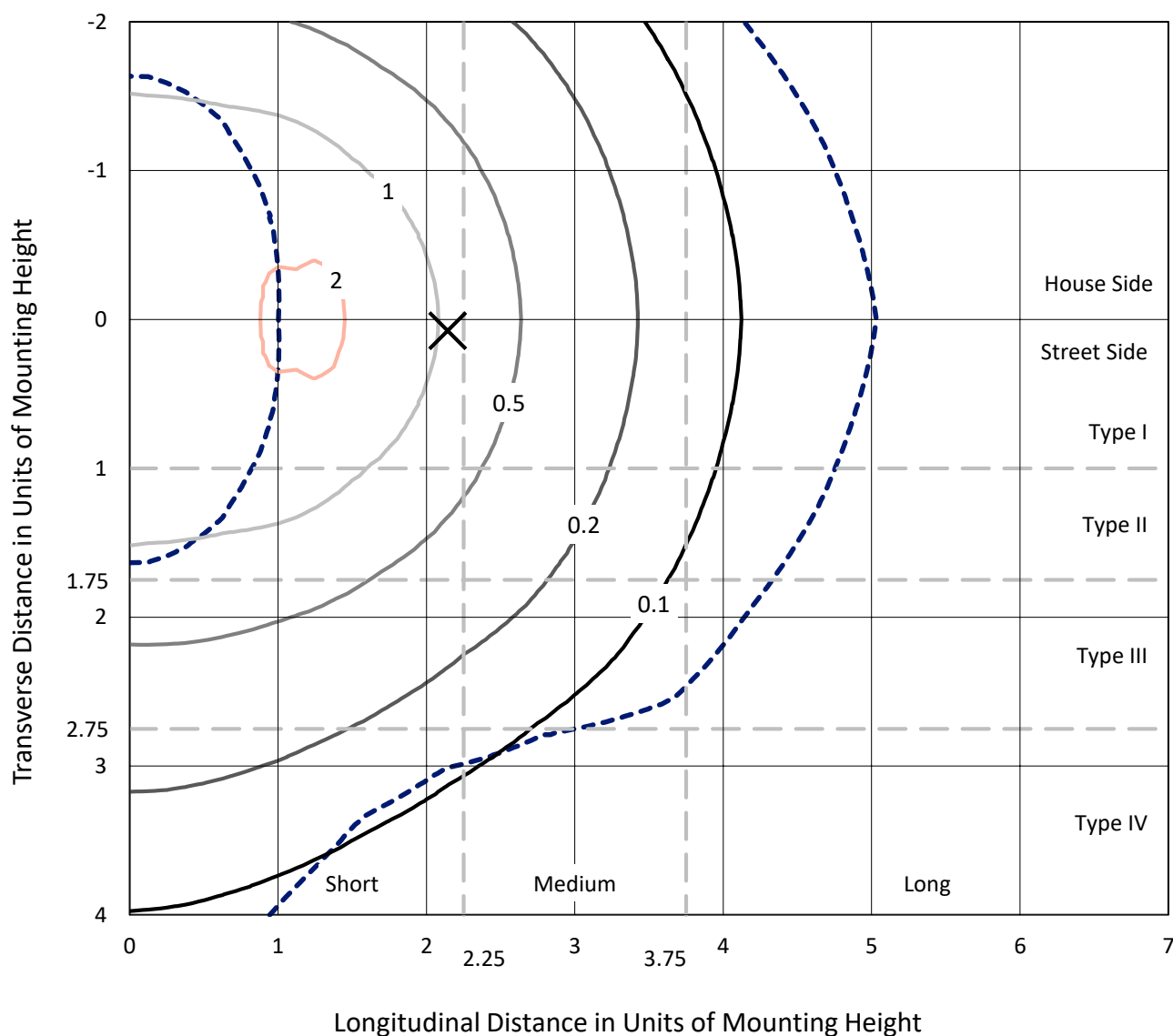
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

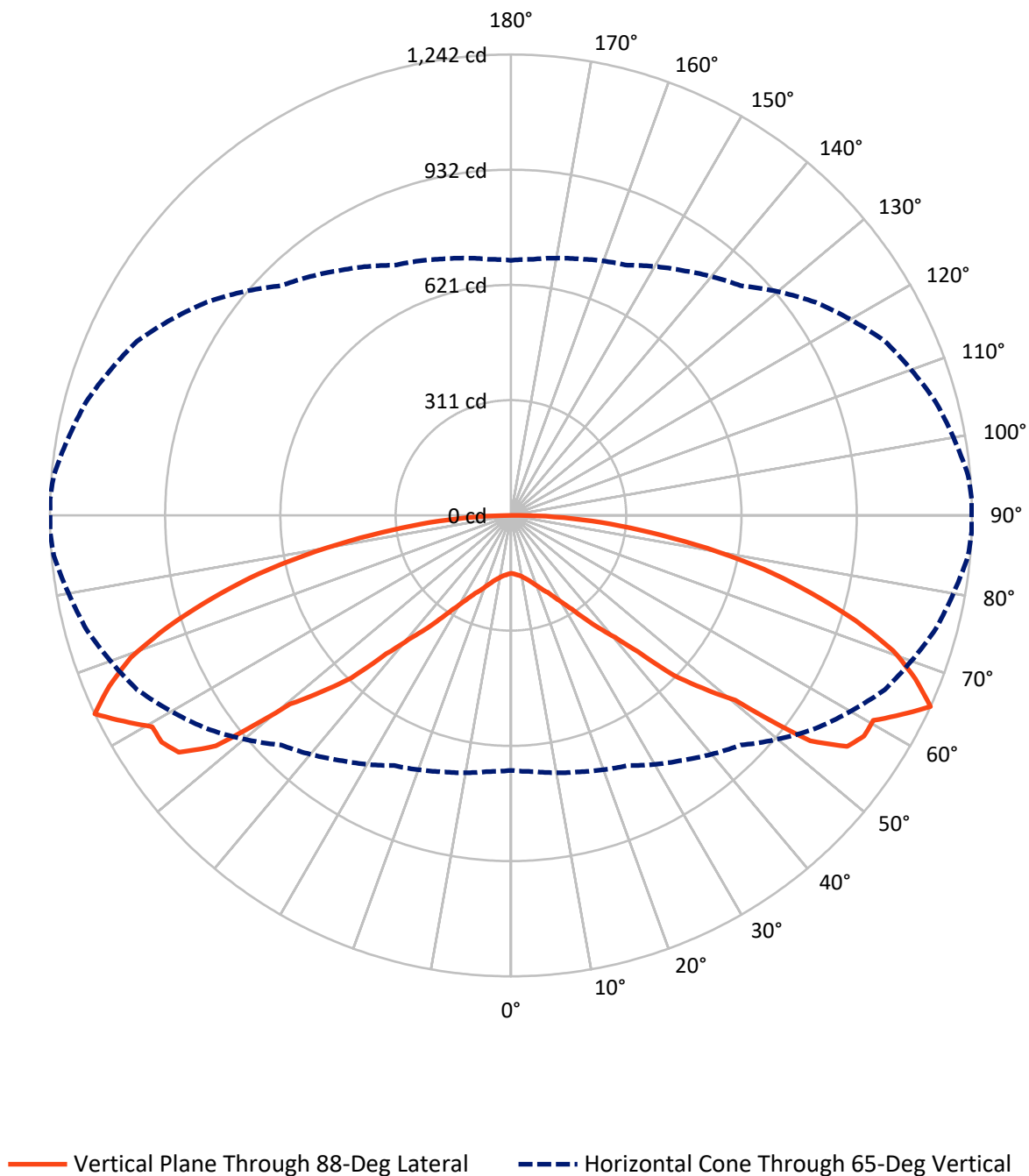


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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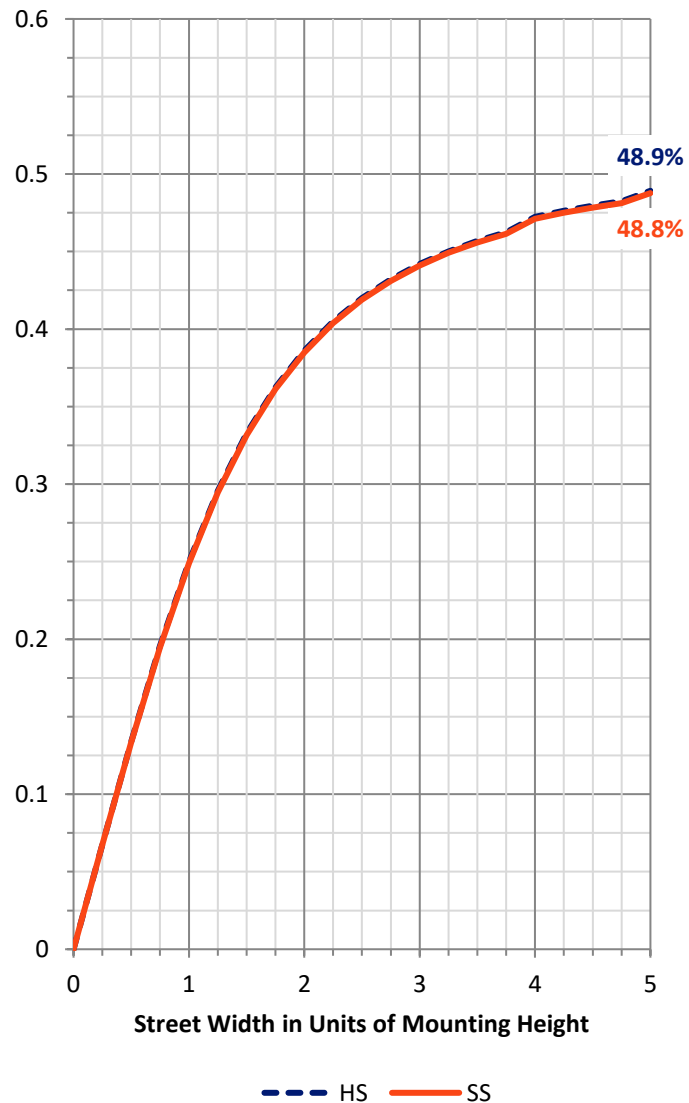
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1672.8	0.0	1672.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1672.8	0.0	1672.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	3345.5	0.0	3345.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	0.5
10°-20°	53.3	1.6
20°-30°	113.3	3.4
30°-40°	216.4	6.5
40°-50°	397.8	11.9
50°-60°	688.9	20.6
60°-70°	896.2	26.8
70°-80°	734.5	22.0
80°-90°	229.6	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°	3345.5	100.0
0°-180°	3345.5	100.0

Coefficient of Utilization



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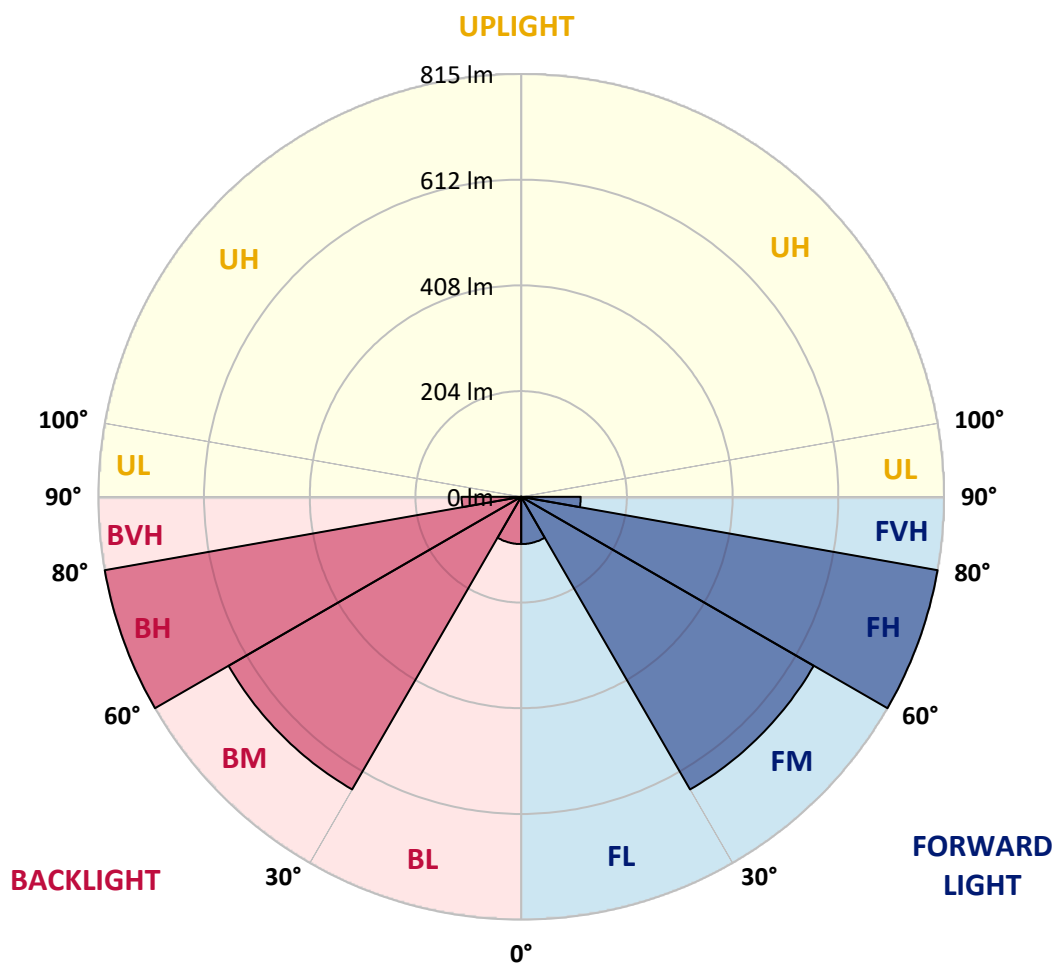
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	91.1	2.7			
FM	(30°-60°)	651.5	19.5			
FH	(60°-80°)	815.3	24.4			G1/1800
FVH	(80°-90°)	114.8	3.4			G2/225
BL	(0°-30°)	91.1	2.7	B0/110		
BM	(30°-60°)	651.5	19.5	B1/1000		
BH	(60°-80°)	815.3	24.4	B2/1000		G2/1000
BVH	(80°-90°)	114.8	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°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3
2.5°	157.7	157.7	157.7	157.7	157.7	157.7	157.7	157.7	157.7	157.7	157.7
5°	160.5	160.5	160.5	161.3	161.3	161.3	161.3	161.3	160.5	160.5	160.5
7.5°	164.1	164.1	164.8	164.8	164.8	164.8	164.1	164.1	163.4	163.4	163.4
10°	169.7	169.7	170.4	170.4	169.7	169.0	169.0	169.0	168.3	168.3	168.3
12.5°	177.4	177.4	178.2	177.4	176.7	176.0	176.0	175.3	174.6	174.6	174.6
15°	188.0	188.0	187.3	185.9	184.5	184.5	182.4	182.4	182.4	182.4	181.7
17.5°	202.1	201.4	198.6	197.9	195.8	194.3	192.9	192.2	191.5	191.5	192.2
20°	217.6	216.2	212.7	212.7	209.1	207.0	205.6	204.2	204.2	203.5	202.8
22.5°	235.9	234.5	230.3	228.9	225.3	221.8	220.4	216.9	216.2	216.2	216.9
25°	254.2	254.9	251.4	248.6	243.6	240.1	235.2	233.1	231.0	231.0	229.6
27.5°	275.3	276.0	271.8	268.3	264.1	257.0	254.2	251.4	249.3	250.7	249.3
30°	297.9	299.3	295.7	291.5	285.2	278.1	274.6	273.9	271.8	273.2	272.5
32.5°	323.9	323.2	321.1	316.9	308.4	302.8	300.0	299.3	300.7	301.4	300.7
35°	354.2	351.4	349.3	342.9	335.2	331.0	328.1	331.0	337.3	341.5	340.1
37.5°	385.9	381.7	379.5	372.5	365.5	363.3	366.9	372.5	378.8	384.5	384.5
40°	411.9	413.3	408.4	402.1	396.4	398.6	404.9	414.8	427.4	433.1	432.4
42.5°	438.0	442.2	437.3	430.9	431.7	438.0	447.1	465.5	493.6	502.1	501.4
45°	461.2	470.4	466.2	461.9	468.3	478.8	503.5	544.3	583.0	611.9	614.0
47.5°	491.5	496.4	494.3	494.3	504.2	528.8	566.1	623.2	664.0	691.5	695.7
50°	526.0	521.1	521.8	528.1	552.8	589.4	640.1	693.6	766.8	779.5	783.0
52.5°	554.9	546.4	551.4	563.3	599.2	645.7	709.1	818.9	912.6	997.1	1009.1
55°	584.5	574.6	584.5	603.5	656.3	721.1	814.0	941.5	1040.0	1092.9	1099.2
57.5°	607.0	605.6	619.7	647.1	711.9	798.5	903.4	1012.6	1078.8	1116.1	1121.7
60°	635.2	636.6	652.8	689.4	766.8	849.9	928.1	1028.1	1093.6	1115.4	1121.7
62.5°	661.9	667.5	686.6	728.1	795.7	859.1	934.4	1055.5	1138.6	1185.8	1181.6
65°	687.3	692.9	715.4	743.6	805.6	875.3	1001.3	1111.2	1184.4	1236.5	1242.1
67.5°	712.6	719.7	728.8	751.3	811.2	876.7	985.8	1078.1	1137.2	1173.1	1175.2
70°	734.4	733.7	731.6	738.0	775.3	826.0	927.4	1000.6	1056.2	1085.8	1092.9
72.5°	737.3	735.1	710.5	692.2	704.2	744.3	841.5	899.9	942.2	966.8	971.7
75°	714.0	702.0	653.5	614.0	611.9	652.1	733.7	776.0	801.3	833.0	835.1
77.5°	638.7	625.3	571.1	517.6	517.6	543.6	611.9	634.4	666.1	690.1	696.4
80°	514.7	513.3	457.0	414.8	399.3	421.1	476.7	485.2	509.1	529.5	535.9
82.5°	372.5	361.9	331.0	295.0	282.4	296.5	334.5	342.9	352.1	370.4	378.1
85°	225.3	226.0	204.9	184.5	168.3	173.2	202.8	214.8	226.7	238.7	242.9
87.5°	81.0	93.7	73.2	64.8	56.3	53.5	62.7	77.5	90.8	107.7	116.9
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°	156.3
2.5°	157.7
5°	159.8
7.5°	163.4
10°	168.3
12.5°	174.6
15°	181.7
17.5°	190.8
20°	202.8
22.5°	215.5
25°	230.3
27.5°	250.7
30°	271.8
32.5°	300.7
35°	343.6
37.5°	384.5
40°	434.5
42.5°	504.2
45°	616.8
47.5°	695.0
50°	789.4
52.5°	999.2
55°	1101.3
57.5°	1123.1
60°	1121.7
62.5°	1192.8
65°	1241.4
67.5°	1176.7
70°	1095.7
72.5°	969.6
75°	840.1
77.5°	699.9
80°	538.7
82.5°	375.3
85°	252.8
87.5°	104.2
90°	0.0

(END OF REPORT)