

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: P198061

Luminaire Tested: **TT-C1-LED-E1-RW-CG-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198061
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-C1-LED-E1-RW-CG-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2622.6 lumens
Efficiency: N/A
Efficacy: 93.7 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): 28
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

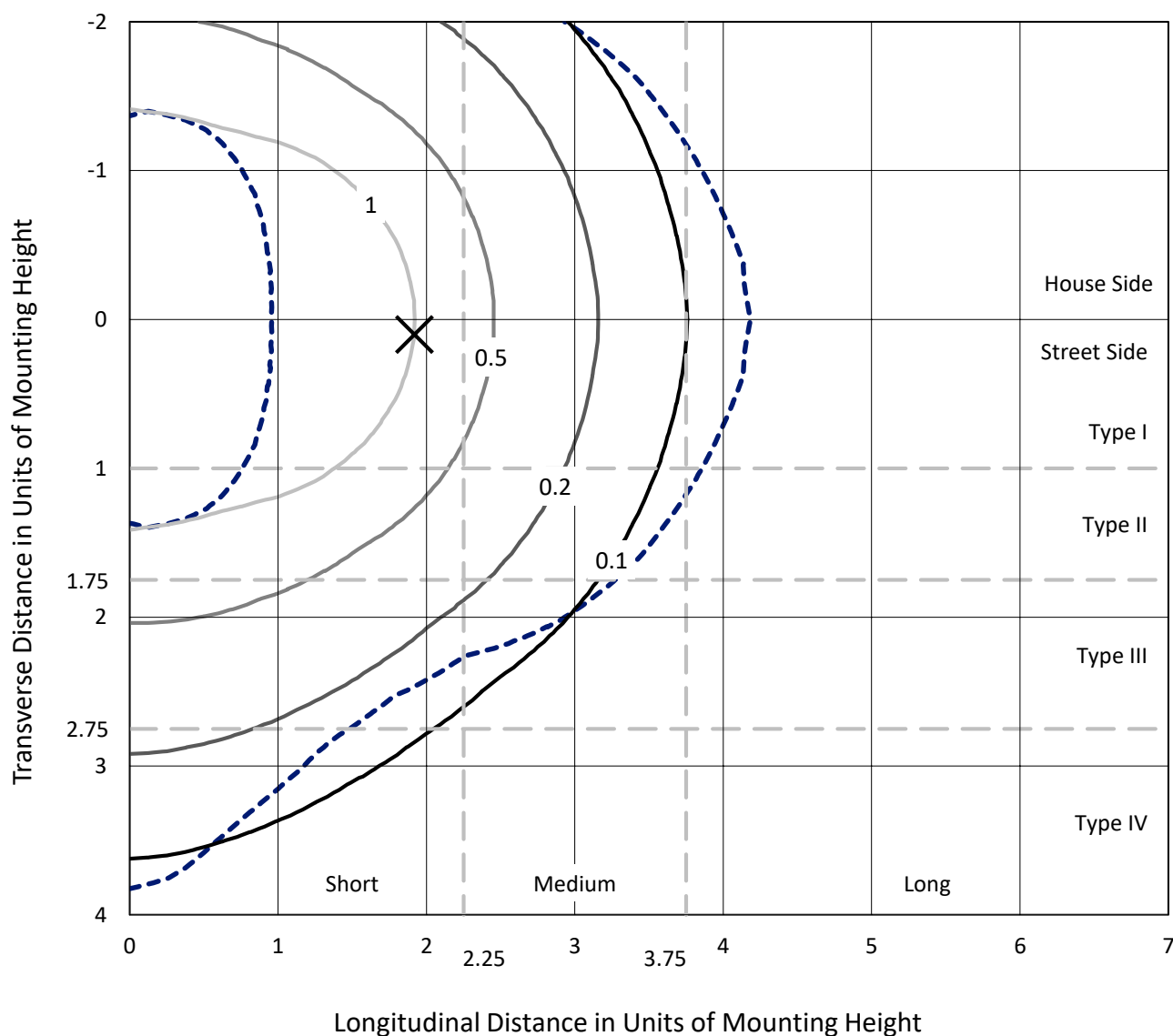


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

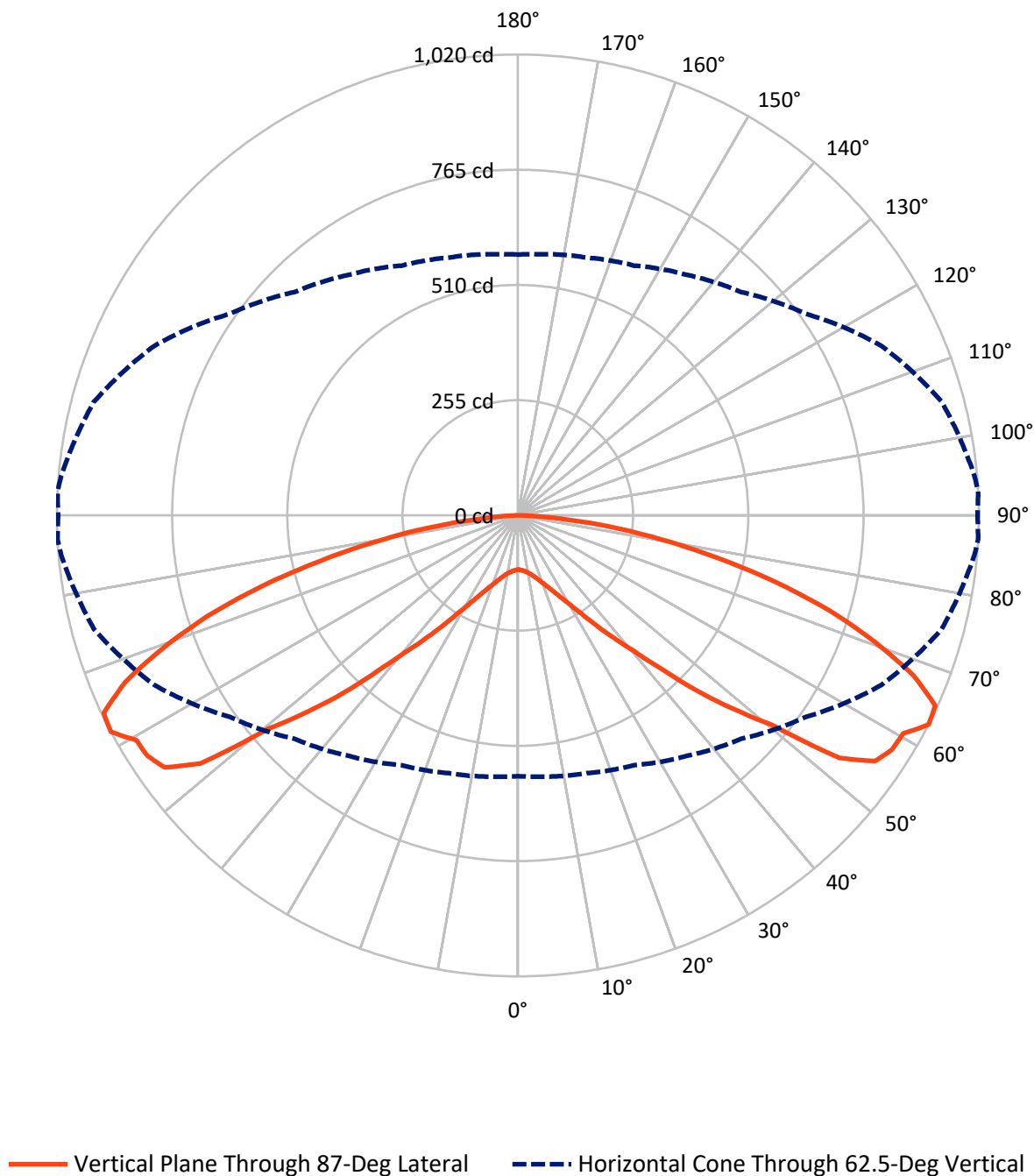


Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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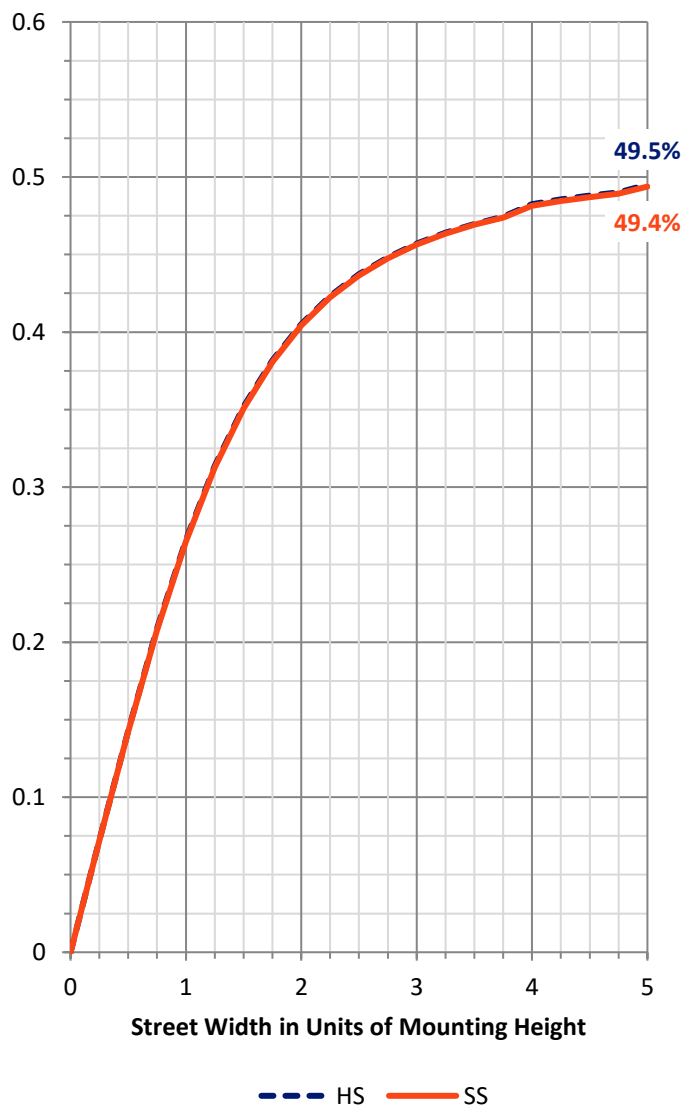
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1311.3	0.0	1311.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1311.3	0.0	1311.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2622.6	0.0	2622.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.5
10°-20°	41.4	1.6
20°-30°	91.4	3.5
30°-40°	184.1	7.0
40°-50°	351.1	13.4
50°-60°	601.2	22.9
60°-70°	728.3	27.8
70°-80°	504.6	19.2
80°-90°	108.5	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°	2622.6	100.0
0°-180°	2622.6	100.0

Coefficient of Utilization



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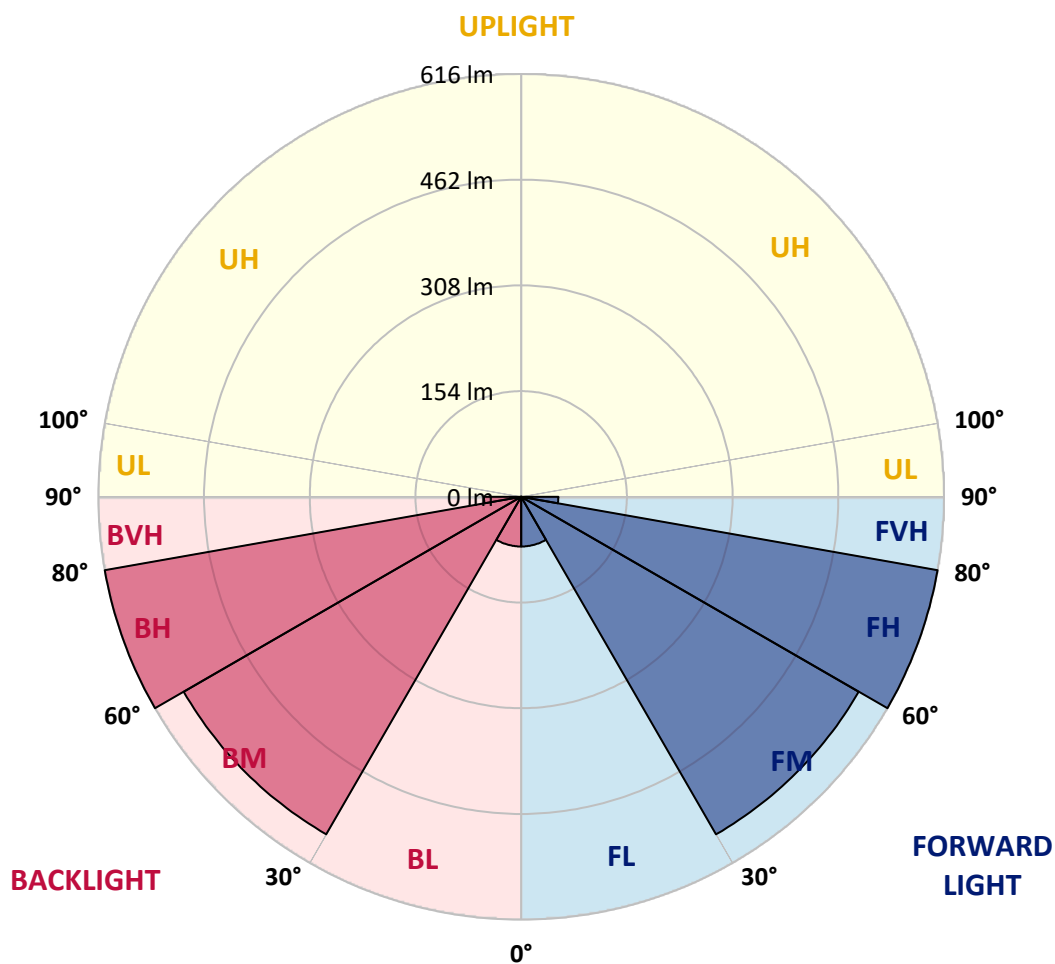
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	72.4	2.8			
FM	(30°-60°)	568.2	21.7			
FH	(60°-80°)	616.5	23.5			G0/660
FVH	(80°-90°)	54.2	2.1			G1/100
BL	(0°-30°)	72.4	2.8	B0/110		
BM	(30°-60°)	568.2	21.7	B1/1000		
BH	(60°-80°)	616.5	23.5	B2/1000		G2/1000
BVH	(80°-90°)	54.2	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°	119.6	119.6	119.6	119.6	119.6	119.6	119.6	119.6	119.6	119.6	119.6
2.5°	120.7	120.7	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
5°	122.8	122.8	122.8	123.4	123.4	123.4	123.4	123.4	122.8	122.8	122.8
7.5°	126.0	126.0	126.0	126.6	126.6	126.6	126.0	126.0	125.5	125.5	125.5
10°	130.3	130.3	130.9	130.9	130.3	130.3	129.8	129.3	129.8	129.3	129.3
12.5°	136.2	137.3	136.8	136.8	135.7	135.7	135.2	135.2	135.2	134.6	134.6
15°	144.8	144.8	145.4	144.3	144.3	142.7	142.1	141.6	142.1	142.1	141.6
17.5°	155.0	155.0	155.0	153.4	152.3	151.3	150.7	150.2	149.6	150.2	150.2
20°	170.6	169.5	167.3	166.3	163.6	162.5	161.4	160.9	160.4	160.4	160.4
22.5°	186.7	185.6	182.9	180.8	178.6	175.9	174.9	172.7	172.2	173.2	172.7
25°	202.2	203.8	200.6	197.9	196.3	192.0	189.3	188.8	187.7	187.2	187.7
27.5°	221.5	222.6	219.9	216.1	212.9	209.7	207.0	206.0	206.5	206.5	207.0
30°	243.0	245.1	240.8	238.7	233.8	229.6	227.4	228.5	229.6	231.2	230.6
32.5°	267.6	267.6	265.5	261.7	256.4	252.6	251.5	253.2	258.0	260.1	259.6
35°	296.6	294.5	292.3	287.5	280.5	278.4	280.5	285.9	292.8	296.6	298.7
37.5°	326.6	322.3	319.1	313.8	310.5	309.5	314.3	324.5	332.0	339.0	342.2
40°	352.4	352.4	348.1	342.2	339.0	343.8	351.3	365.8	380.3	387.8	393.1
42.5°	378.1	381.3	376.5	371.7	371.7	378.1	392.6	415.1	442.5	458.6	461.3
45°	404.9	410.8	404.4	401.2	404.4	417.3	444.6	488.1	528.8	555.1	550.8
47.5°	432.8	438.2	432.3	430.7	438.2	461.3	503.1	558.9	599.6	627.0	637.7
50°	467.2	463.4	461.3	460.7	476.3	510.6	564.8	624.8	690.3	715.0	728.4
52.5°	496.1	489.7	488.6	492.4	518.1	559.4	627.0	737.5	828.1	889.3	891.4
55°	521.3	514.4	518.1	527.2	562.1	619.5	704.8	834.0	910.7	956.3	960.1
57.5°	542.8	539.0	545.5	557.8	602.9	671.5	767.0	873.7	937.0	973.5	977.2
60°	562.1	561.6	568.5	589.5	639.9	702.1	780.9	876.4	942.4	975.1	979.9
62.5°	577.1	580.3	590.5	609.8	650.1	698.9	777.7	887.7	971.3	1014.2	1020.1
65°	590.0	593.2	603.4	609.8	645.8	692.4	795.4	895.2	967.0	1011.6	1015.3
67.5°	597.0	600.7	599.1	600.2	628.1	664.5	753.6	839.4	898.4	939.2	944.0
70°	595.9	592.7	579.8	566.4	572.3	598.0	678.5	750.4	804.0	836.2	837.8
72.5°	573.4	568.0	537.4	506.3	497.2	514.4	584.6	638.8	684.4	713.9	723.0
75°	522.4	511.7	467.2	426.9	406.6	419.4	473.6	520.8	554.6	583.6	589.5
77.5°	429.6	423.2	378.7	334.7	312.2	320.7	363.6	391.5	428.0	458.0	450.5
80°	312.7	311.6	275.7	236.5	220.4	224.2	247.3	274.6	297.7	320.2	321.3
82.5°	204.4	201.1	177.0	148.6	131.9	134.1	148.6	163.1	185.0	199.5	203.8
85°	101.4	99.8	89.0	71.3	62.2	62.2	69.2	77.8	88.5	94.9	94.4
87.5°	27.9	25.2	24.7	18.2	15.0	16.1	16.1	17.7	22.5	24.1	25.7
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°	119.6
2.5°	121.2
5°	122.8
7.5°	125.5
10°	129.8
12.5°	134.6
15°	141.6
17.5°	149.6
20°	160.4
22.5°	173.8
25°	187.7
27.5°	206.5
30°	231.2
32.5°	260.1
35°	297.7
37.5°	339.5
40°	391.0
42.5°	458.6
45°	555.7
47.5°	632.4
50°	721.4
52.5°	894.6
55°	961.1
57.5°	978.3
60°	980.5
62.5°	1017.5
65°	1019.6
67.5°	940.2
70°	840.5
72.5°	721.9
75°	593.7
77.5°	458.6
80°	320.7
82.5°	200.6
85°	93.9
87.5°	23.6
90°	0.0

(END OF REPORT)