

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: P198041

Luminaire Tested: **TT-C2-LED-E1-RW-CG-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34696)
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-CG-MS/DIM-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2976.2 lumens
Efficiency: N/A
Efficacy: 87.5 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

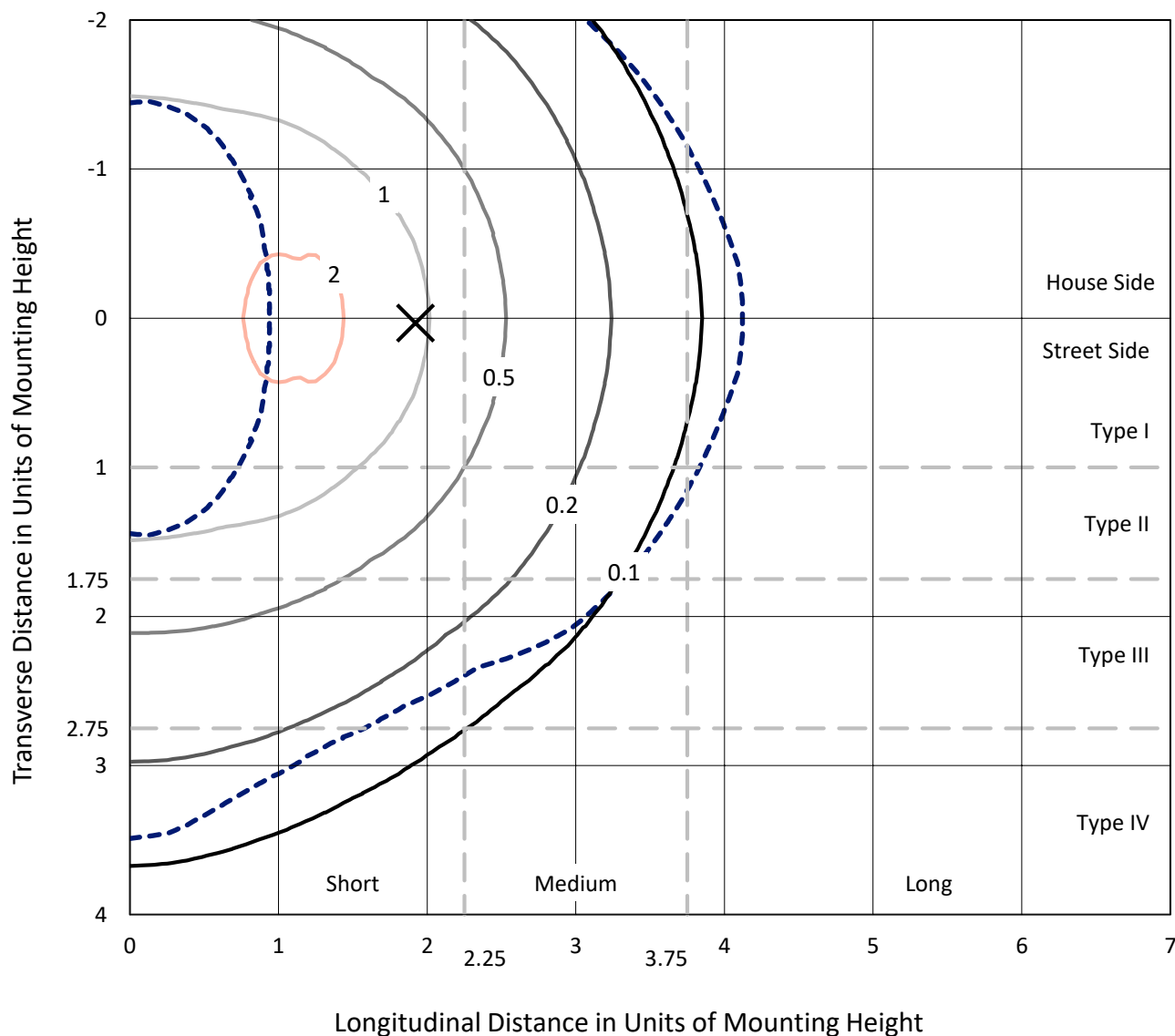


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

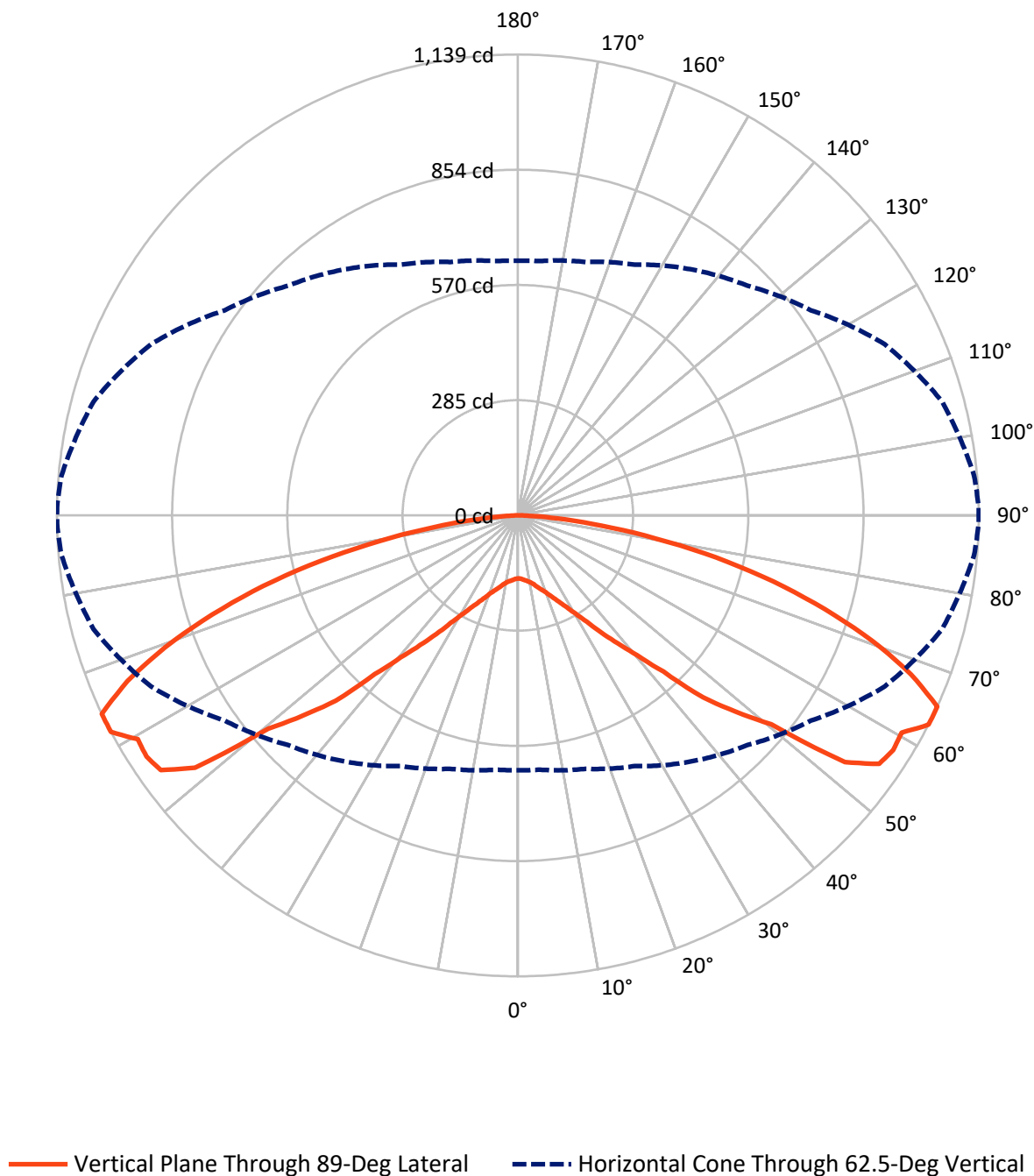


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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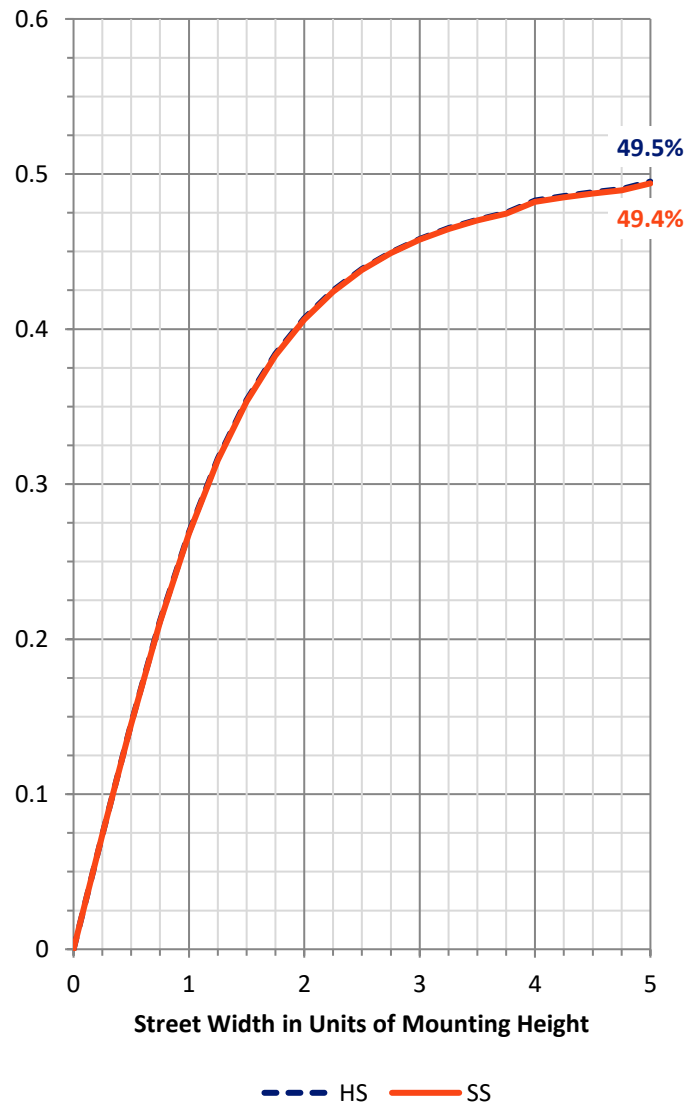
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1488.1	0.0	1488.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1488.1	0.0	1488.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	2976.2	0.0	2976.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.5
10°-20°	53.0	1.8
20°-30°	112.6	3.8
30°-40°	216.5	7.3
40°-50°	400.8	13.5
50°-60°	677.0	22.7
60°-70°	817.7	27.5
70°-80°	563.0	18.9
80°-90°	120.1	4.0
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°	2976.2	100.0
0°-180°	2976.2	100.0

Coefficient of Utilization



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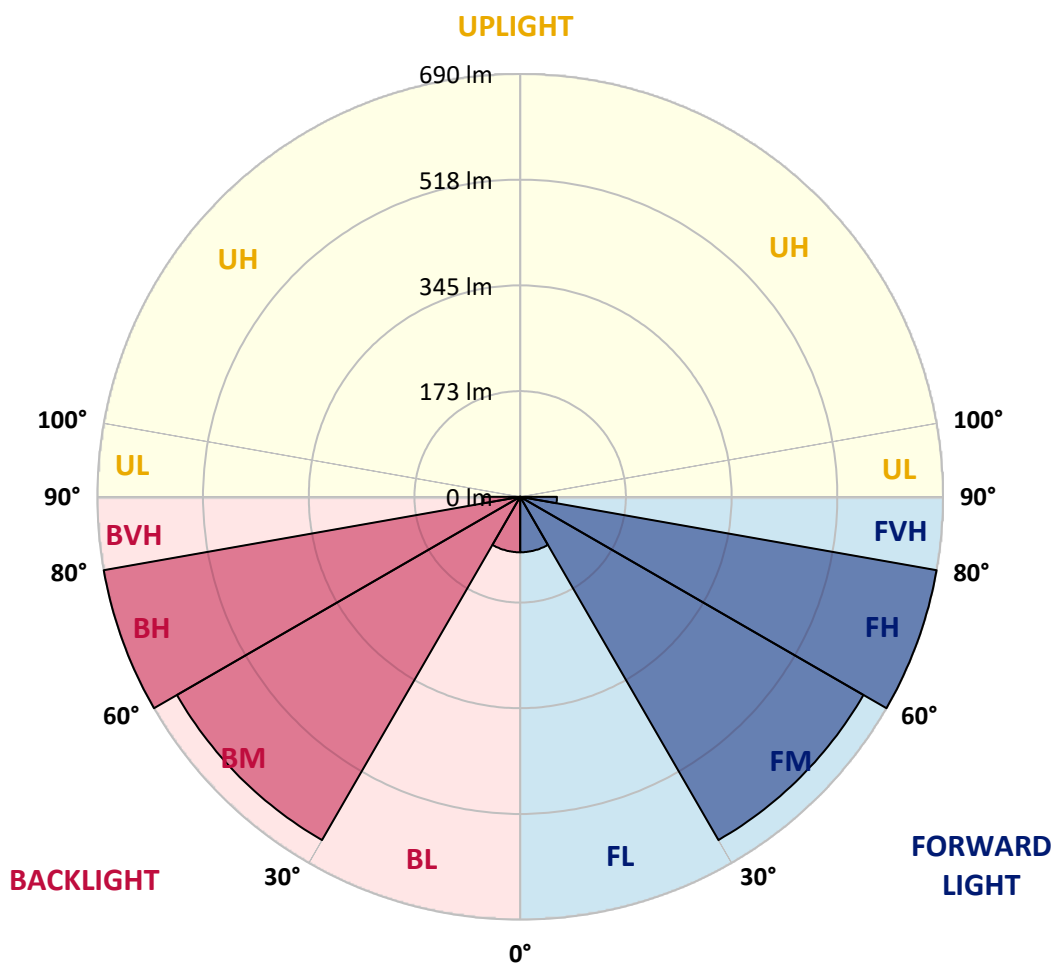
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	90.6	3.0			
FM	(30°-60°)	647.1	21.7			
FH	(60°-80°)	690.3	23.2			G1/1800
FVH	(80°-90°)	60.1	2.0			G1/100
BL	(0°-30°)	90.6	3.0	B0/110		
BM	(30°-60°)	647.1	21.7	B1/1000		
BH	(60°-80°)	690.3	23.2	B2/1000		G2/1000
BVH	(80°-90°)	60.1	2.0			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°	89°
0°	155.6	155.6	155.6	155.6	155.6	155.6	155.6	155.6	155.6	155.6	155.6
2.5°	156.9	156.9	156.9	156.9	157.5	157.5	157.5	157.5	157.5	157.5	156.9
5°	159.5	158.8	159.5	160.1	160.1	160.8	160.8	160.8	160.8	160.1	160.1
7.5°	162.7	162.7	163.4	164.0	164.7	164.0	164.0	163.4	163.4	163.4	163.4
10°	168.6	167.9	168.6	169.2	168.6	168.6	168.6	168.6	168.6	168.6	167.9
12.5°	175.1	175.1	175.1	175.1	174.4	175.1	174.4	175.1	175.1	175.1	174.4
15°	184.2	184.2	184.2	183.6	182.9	182.9	182.9	182.9	182.9	182.9	183.6
17.5°	196.6	195.9	195.3	194.0	193.3	192.7	192.7	192.7	193.3	193.3	193.3
20°	210.9	209.6	208.3	207.6	207.0	205.7	205.0	205.7	206.3	206.3	204.4
22.5°	228.5	226.5	224.6	223.9	221.3	220.7	220.0	219.4	219.4	220.0	219.4
25°	244.8	245.4	243.4	240.2	239.5	238.2	236.3	236.9	236.3	236.9	236.3
27.5°	264.9	266.2	264.3	261.0	259.1	257.1	255.8	255.8	256.5	258.4	256.5
30°	287.7	288.4	286.4	283.8	280.6	277.9	277.3	280.6	280.6	283.2	281.9
32.5°	311.8	311.1	308.5	307.9	304.0	304.0	304.6	307.2	311.8	313.7	313.1
35°	341.1	337.2	336.5	333.9	330.7	330.7	334.6	341.1	349.6	354.8	355.4
37.5°	367.8	366.5	365.8	361.9	360.0	363.9	371.7	383.4	390.6	401.0	401.0
40°	395.1	398.4	395.1	391.2	393.2	399.0	412.0	427.0	443.3	454.3	454.3
42.5°	421.8	427.7	424.4	421.2	426.4	440.0	456.3	481.7	514.2	528.6	527.9
45°	450.4	455.0	451.7	452.4	463.5	480.4	511.6	566.3	611.9	641.2	641.8
47.5°	481.7	482.3	480.4	483.6	499.9	532.5	574.8	641.8	686.7	721.9	724.5
50°	512.9	509.7	509.0	516.8	546.1	587.1	647.7	712.8	783.7	809.8	811.7
52.5°	540.9	537.0	539.6	552.6	591.0	641.8	717.3	828.0	930.8	1007.6	1012.8
55°	567.6	563.1	569.6	590.4	641.2	709.5	803.9	941.9	1029.1	1079.2	1083.8
57.5°	590.4	589.1	599.5	625.5	688.0	771.4	874.9	987.5	1051.9	1089.7	1094.2
60°	613.2	613.2	626.8	660.7	730.3	806.5	888.5	986.8	1053.2	1085.1	1089.7
62.5°	629.5	630.8	648.3	683.5	742.7	802.6	884.0	1000.5	1085.8	1132.0	1139.1
65°	638.6	641.2	660.0	683.5	737.5	798.7	913.3	1011.5	1081.8	1130.7	1139.1
67.5°	639.9	645.1	654.2	671.8	717.3	769.4	866.4	946.5	1005.0	1042.1	1048.0
70°	634.0	632.1	631.4	636.0	658.7	696.5	781.8	844.9	902.8	926.3	930.8
72.5°	604.7	604.1	581.3	567.0	572.8	598.9	674.4	723.2	760.9	790.9	794.1
75°	546.1	540.9	503.2	473.9	468.0	491.5	548.1	583.9	617.7	645.7	652.9
77.5°	455.7	442.6	404.2	369.7	358.7	376.2	418.5	443.3	468.0	500.6	500.6
80°	330.7	324.2	291.0	263.0	251.9	262.3	292.3	302.7	315.7	345.0	345.6
82.5°	213.5	206.3	184.2	166.6	156.9	163.4	175.8	180.3	191.4	208.9	208.3
85°	104.1	104.1	93.1	83.3	74.2	75.5	83.3	85.9	95.0	99.6	98.3
87.5°	26.0	28.6	25.4	23.4	20.8	20.8	23.4	23.4	28.6	28.6	27.3
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°	155.6
2.5°	156.9
5°	160.1
7.5°	163.4
10°	167.9
12.5°	175.1
15°	182.9
17.5°	194.0
20°	206.3
22.5°	219.4
25°	236.3
27.5°	258.4
30°	283.2
32.5°	312.4
35°	352.8
37.5°	401.0
40°	455.0
42.5°	528.6
45°	643.1
47.5°	721.9
50°	809.8
52.5°	1009.6
55°	1083.1
57.5°	1094.9
60°	1091.0
62.5°	1139.1
65°	1137.8
67.5°	1046.7
70°	932.8
72.5°	799.3
75°	655.5
77.5°	497.3
80°	359.3
82.5°	209.6
85°	99.6
87.5°	29.9
90°	0.0

(END OF REPORT)