

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: P198064

Luminaire Tested: **TT-C1-LED-E1-RW-CG-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198064
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-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2837.1 lumens
Efficiency: N/A
Efficacy: 101.3 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): 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



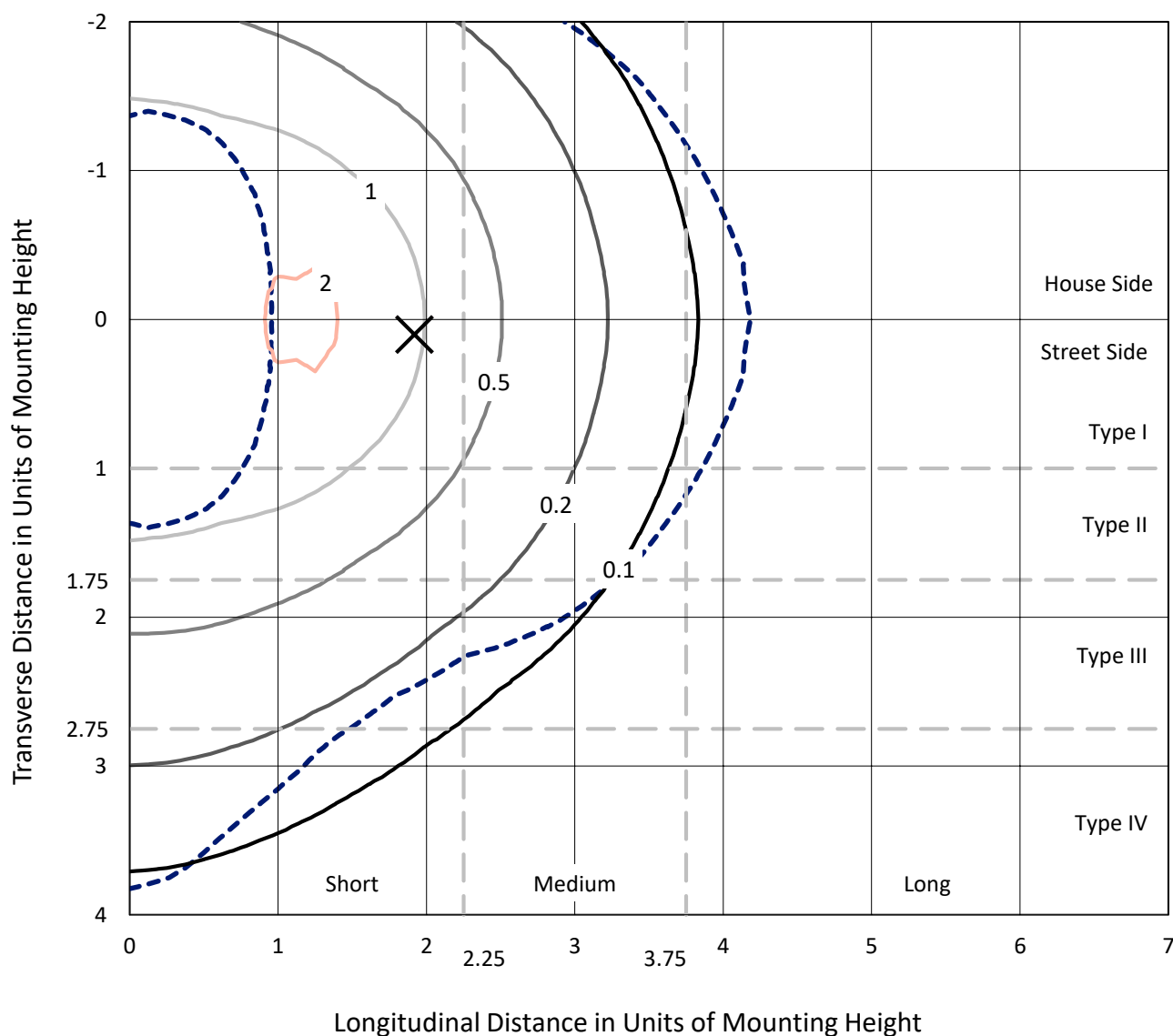
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

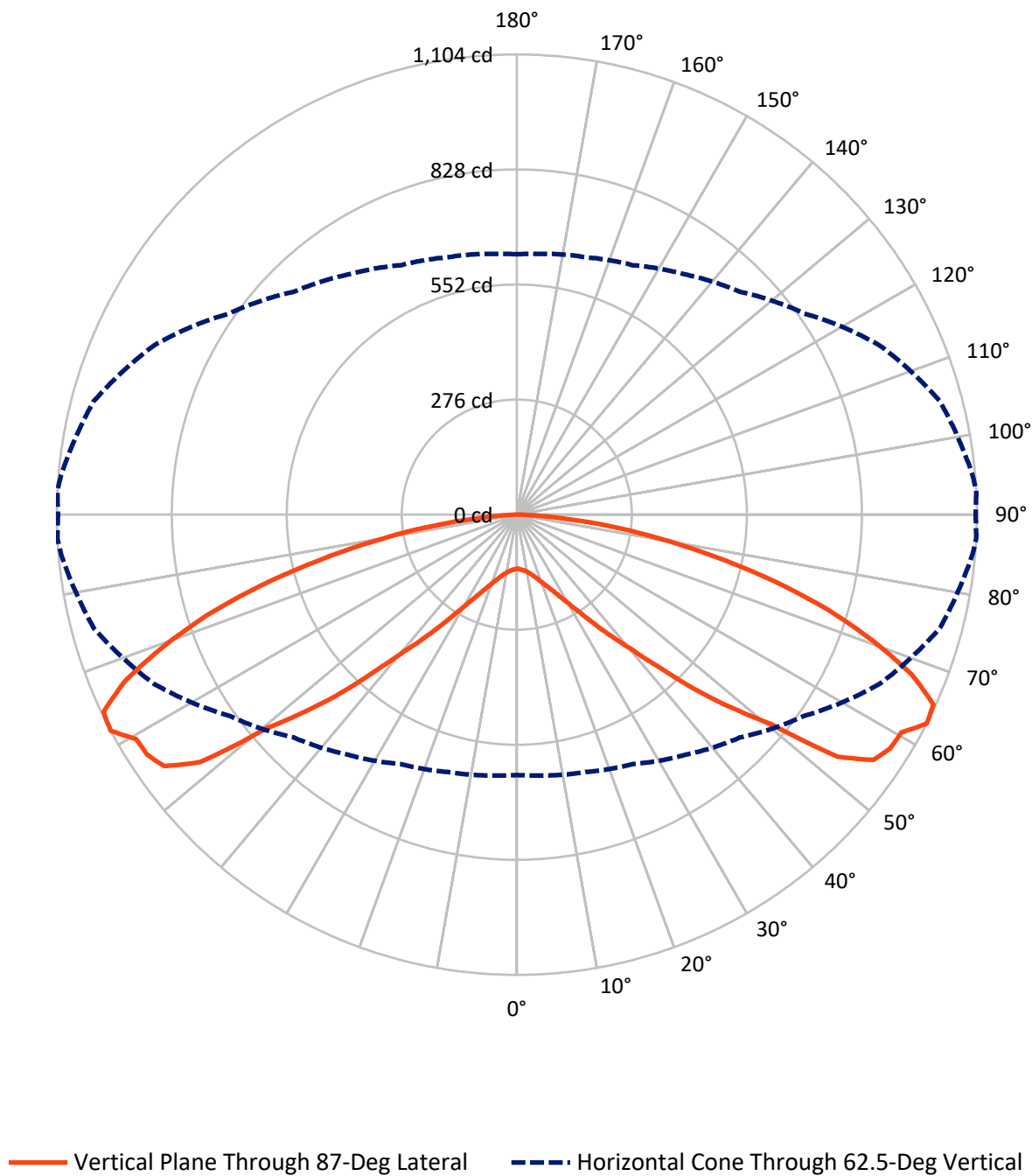


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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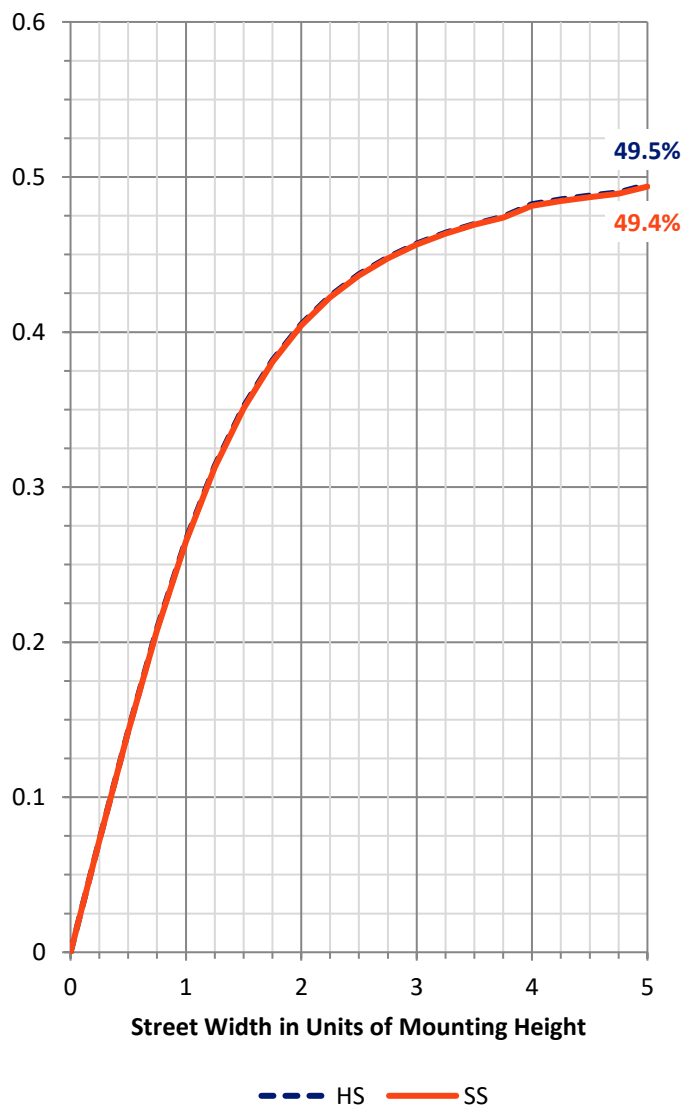
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1418.5	0.0	1418.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1418.5	0.0	1418.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2837.1	0.0	2837.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	0.5
10°-20°	44.8	1.6
20°-30°	98.9	3.5
30°-40°	199.1	7.0
40°-50°	379.8	13.4
50°-60°	650.3	22.9
60°-70°	787.9	27.8
70°-80°	545.9	19.2
80°-90°	117.3	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°	2837.1	100.0
0°-180°	2837.1	100.0

Coefficient of Utilization



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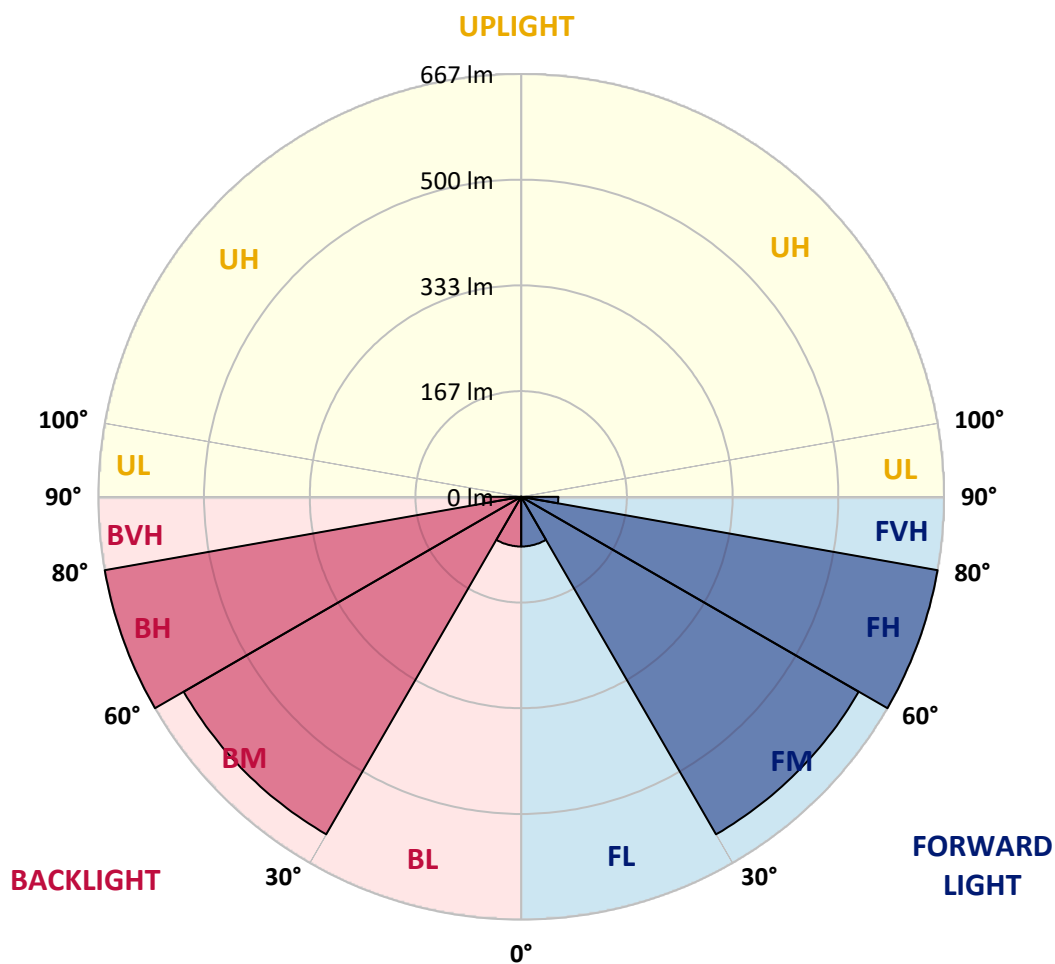
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	78.3	2.8			
FM	(30°-60°)	614.6	21.7			
FH	(60°-80°)	666.9	23.5			G1/1800
FVH	(80°-90°)	58.7	2.1			G1/100
BL	(0°-30°)	78.3	2.8	B0/110		
BM	(30°-60°)	614.6	21.7	B1/1000		
BH	(60°-80°)	666.9	23.5	B2/1000		G2/1000
BVH	(80°-90°)	58.7	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°	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4
2.5°	130.5	130.5	131.1	131.1	131.1	131.1	131.1	131.1	131.1	131.1	131.1
5°	132.9	132.9	132.9	133.4	133.4	133.4	133.4	133.4	132.9	132.9	132.9
7.5°	136.3	136.3	136.3	136.9	136.9	136.9	136.3	136.3	135.8	135.8	135.8
10°	141.0	141.0	141.6	141.6	141.0	141.0	140.4	139.8	140.4	139.8	139.8
12.5°	147.4	148.5	148.0	148.0	146.8	146.8	146.2	146.2	146.2	145.6	145.6
15°	156.7	156.7	157.2	156.1	156.1	154.3	153.8	153.2	153.8	153.8	153.2
17.5°	167.7	167.7	167.7	165.9	164.8	163.6	163.0	162.5	161.9	162.5	162.5
20°	184.5	183.3	181.0	179.9	177.0	175.8	174.6	174.1	173.5	173.5	173.5
22.5°	201.9	200.8	197.9	195.5	193.2	190.3	189.1	186.8	186.2	187.4	186.8
25°	218.7	220.5	217.0	214.1	212.4	207.7	204.8	204.2	203.1	202.5	203.1
27.5°	239.6	240.8	237.9	233.8	230.3	226.9	224.0	222.8	223.4	223.4	224.0
30°	262.8	265.2	260.5	258.2	253.0	248.3	246.0	247.2	248.3	250.1	249.5
32.5°	289.5	289.5	287.2	283.1	277.3	273.3	272.1	273.9	279.1	281.4	280.8
35°	320.9	318.5	316.2	311.0	303.5	301.1	303.5	309.3	316.8	320.9	323.2
37.5°	353.3	348.7	345.2	339.4	335.9	334.8	340.0	351.0	359.2	366.7	370.2
40°	381.2	381.2	376.6	370.2	366.7	371.9	380.0	395.7	411.4	419.5	425.3
42.5°	409.0	412.5	407.3	402.1	402.1	409.0	424.7	449.1	478.7	496.1	499.0
45°	438.1	444.4	437.5	434.0	437.5	451.4	481.0	528.0	572.1	600.5	595.9
47.5°	468.2	474.0	467.7	465.9	474.0	499.0	544.2	604.6	648.7	678.3	689.9
50°	505.4	501.3	499.0	498.4	515.2	552.4	611.0	675.9	746.7	773.4	787.9
52.5°	536.7	529.7	528.6	532.6	560.5	605.2	678.3	797.8	895.8	962.0	964.3
55°	564.0	556.4	560.5	570.3	608.1	670.1	762.4	902.2	985.2	1034.5	1038.6
57.5°	587.2	583.1	590.1	603.4	652.2	726.4	829.7	945.2	1013.6	1053.1	1057.1
60°	608.1	607.5	615.0	637.7	692.2	759.5	844.8	948.1	1019.4	1054.8	1060.0
62.5°	624.3	627.8	638.8	659.7	703.2	756.0	841.3	960.3	1050.8	1097.2	1103.6
65°	638.2	641.7	652.7	659.7	698.6	749.1	860.5	968.4	1046.1	1094.3	1098.3
67.5°	645.8	649.8	648.1	649.3	679.4	718.9	815.2	908.0	971.9	1016.0	1021.2
70°	644.6	641.1	627.2	612.7	619.1	646.9	734.0	811.7	869.7	904.6	906.3
72.5°	620.2	614.4	581.4	547.7	537.9	556.4	632.4	691.0	740.4	772.3	782.1
75°	565.1	553.5	505.4	461.8	439.8	453.7	512.3	563.4	599.9	631.3	637.7
77.5°	464.7	457.8	409.6	362.1	337.7	347.0	393.4	423.6	463.0	495.5	487.4
80°	338.3	337.1	298.2	255.9	238.5	242.5	267.5	297.1	322.0	346.4	347.5
82.5°	221.1	217.6	191.5	160.7	142.7	145.1	160.7	176.4	200.2	215.8	220.5
85°	109.7	107.9	96.3	77.2	67.3	67.3	74.8	84.1	95.7	102.7	102.1
87.5°	30.2	27.3	26.7	19.7	16.2	17.4	17.4	19.1	24.4	26.1	27.9
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°	129.4
2.5°	131.1
5°	132.9
7.5°	135.8
10°	140.4
12.5°	145.6
15°	153.2
17.5°	161.9
20°	173.5
22.5°	188.0
25°	203.1
27.5°	223.4
30°	250.1
32.5°	281.4
35°	322.0
37.5°	367.3
40°	423.0
42.5°	496.1
45°	601.1
47.5°	684.1
50°	780.4
52.5°	967.8
55°	1039.7
57.5°	1058.3
60°	1060.6
62.5°	1100.7
65°	1103.0
67.5°	1017.1
70°	909.2
72.5°	781.0
75°	642.3
77.5°	496.1
80°	347.0
82.5°	217.0
85°	101.5
87.5°	25.5
90°	0.0

(END OF REPORT)