

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: P198065

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198065
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-C2-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: 3182.8 lumens
Efficiency: N/A
Efficacy: 93.6 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



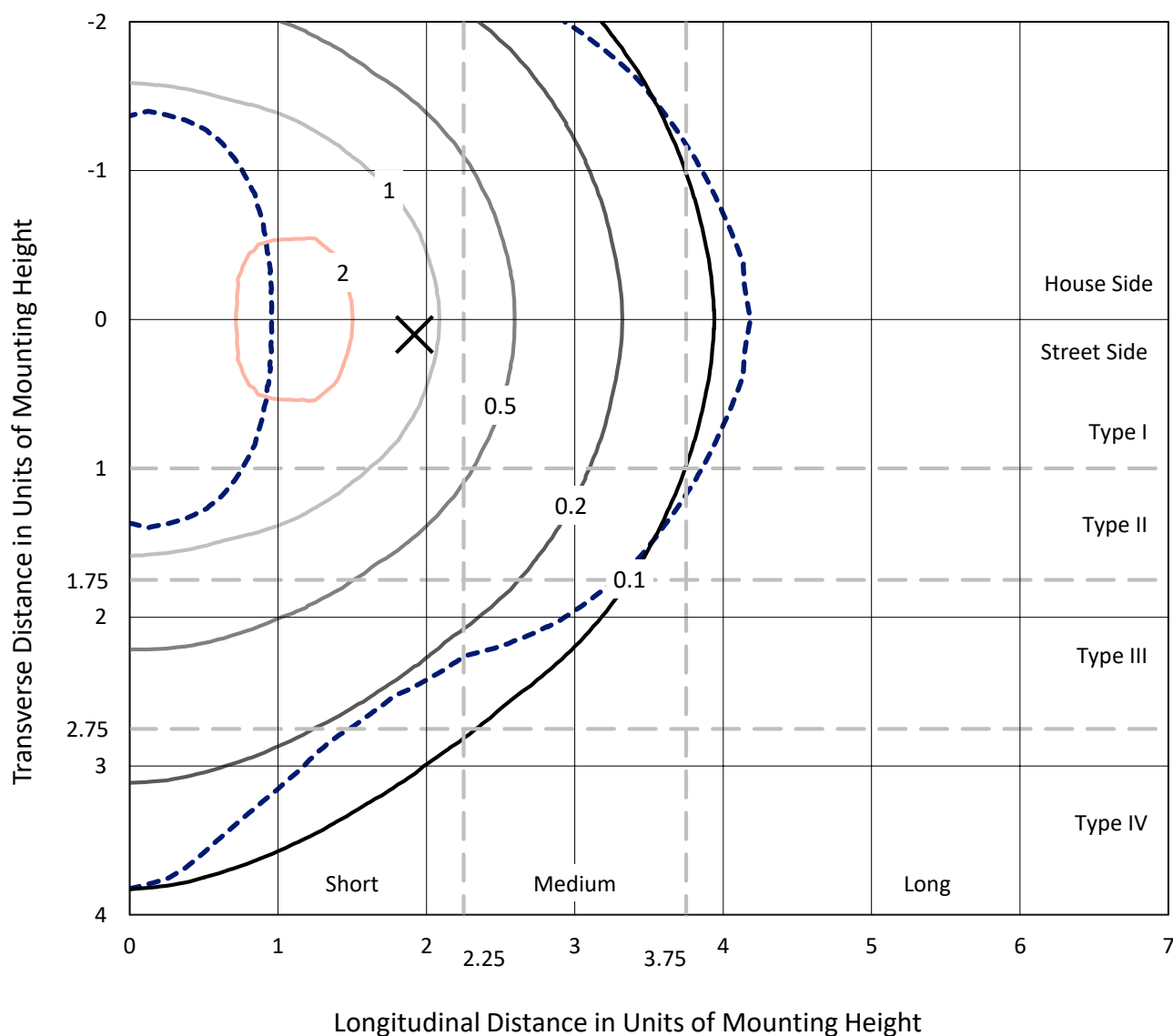
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

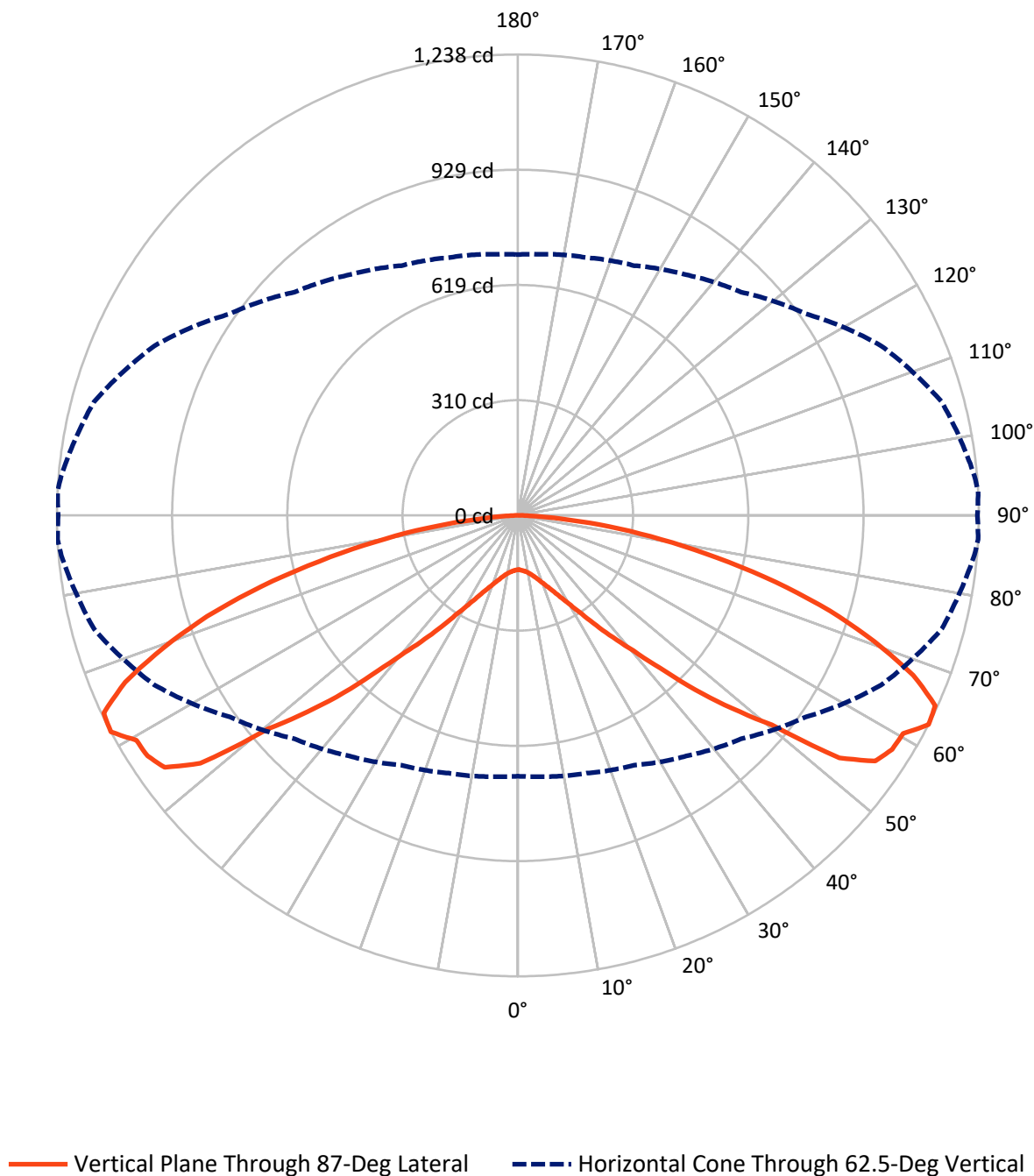


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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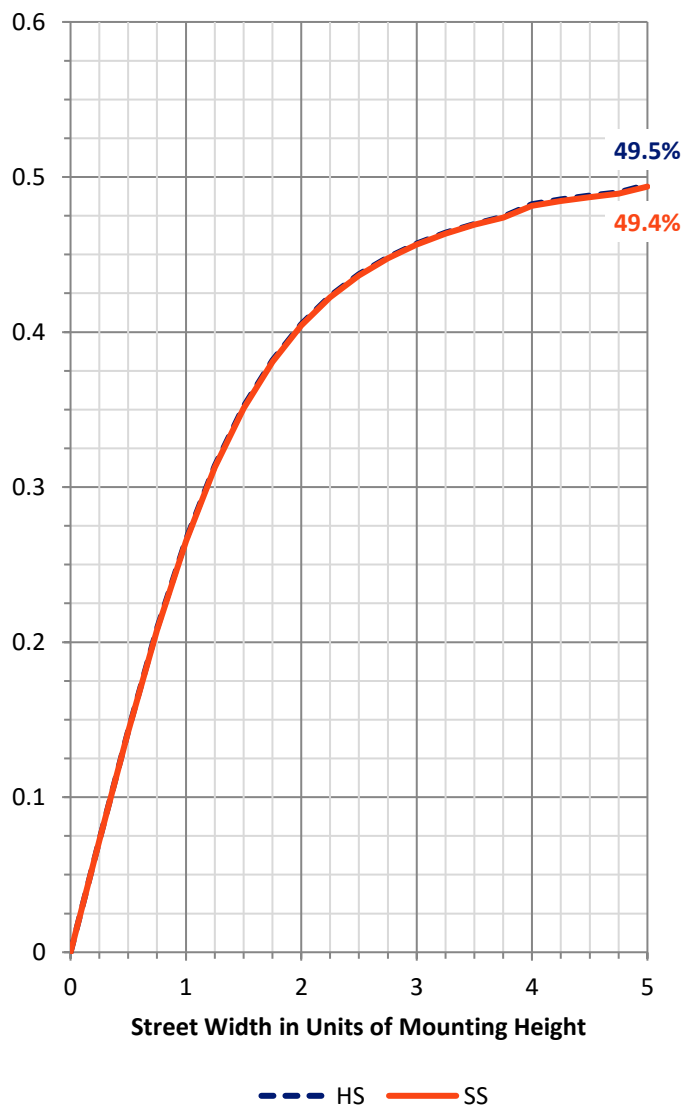
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1591.4	0.0	1591.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1591.4	0.0	1591.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	3182.8	0.0	3182.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	0.5
10°-20°	50.3	1.6
20°-30°	110.9	3.5
30°-40°	223.4	7.0
40°-50°	426.1	13.4
50°-60°	729.6	22.9
60°-70°	883.9	27.8
70°-80°	612.4	19.2
80°-90°	131.6	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°	3182.8	100.0
0°-180°	3182.8	100.0

Coefficient of Utilization



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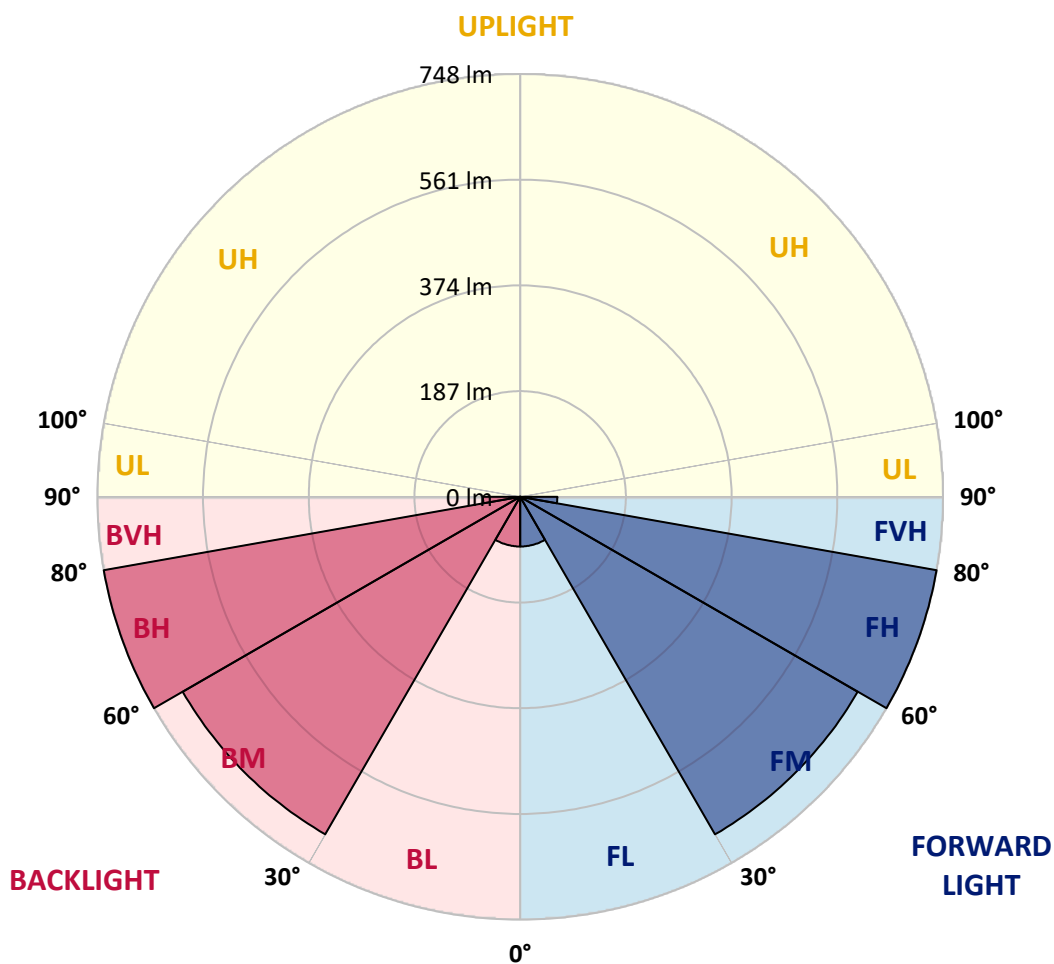
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.9	2.8			
FM	(30°-60°)	689.6	21.7			
FH	(60°-80°)	748.2	23.5			G1/1800
FVH	(80°-90°)	65.8	2.1			G1/100
BL	(0°-30°)	87.9	2.8	B0/110		
BM	(30°-60°)	689.6	21.7	B1/1000		
BH	(60°-80°)	748.2	23.5	B2/1000		G2/1000
BVH	(80°-90°)	65.8	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°	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2
2.5°	146.5	146.5	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1
5°	149.1	149.1	149.1	149.7	149.7	149.7	149.7	149.7	149.1	149.1	149.1
7.5°	153.0	153.0	153.0	153.6	153.6	153.6	153.0	153.0	152.3	152.3	152.3
10°	158.2	158.2	158.8	158.8	158.2	158.2	157.5	156.9	157.5	156.9	156.9
12.5°	165.3	166.6	166.0	166.0	164.7	164.7	164.0	164.0	164.0	163.4	163.4
15°	175.8	175.8	176.4	175.1	175.1	173.1	172.5	171.8	172.5	172.5	171.8
17.5°	188.1	188.1	188.1	186.2	184.9	183.6	182.9	182.3	181.6	182.3	182.3
20°	207.0	205.7	203.1	201.8	198.5	197.2	195.9	195.3	194.6	194.6	194.6
22.5°	226.5	225.2	222.0	219.4	216.8	213.5	212.2	209.6	208.9	210.3	209.6
25°	245.4	247.4	243.4	240.2	238.2	233.0	229.8	229.1	227.8	227.2	227.8
27.5°	268.8	270.1	266.9	262.3	258.4	254.5	251.3	250.0	250.6	250.6	251.3
30°	294.9	297.5	292.3	289.7	283.8	278.6	276.0	277.3	278.6	280.6	279.9
32.5°	324.8	324.8	322.2	317.7	311.1	306.6	305.3	307.2	313.1	315.7	315.1
35°	360.0	357.4	354.8	348.9	340.4	337.8	340.4	346.9	355.4	360.0	362.6
37.5°	396.4	391.2	387.3	380.8	376.9	375.6	381.4	393.8	402.9	411.4	415.3
40°	427.7	427.7	422.5	415.3	411.4	417.2	426.4	443.9	461.5	470.6	477.1
42.5°	458.9	462.8	457.0	451.1	451.1	458.9	476.5	503.8	537.0	556.5	559.8
45°	491.5	498.6	490.8	486.9	490.8	506.4	539.6	592.3	641.8	673.7	668.5
47.5°	525.3	531.8	524.7	522.7	531.8	559.8	610.6	678.3	727.7	760.9	774.0
50°	567.0	562.4	559.8	559.1	578.0	619.7	685.4	758.3	837.7	867.7	884.0
52.5°	602.1	594.3	593.0	597.6	628.8	678.9	760.9	895.0	1005.0	1079.2	1081.8
55°	632.7	624.2	628.8	639.9	682.2	751.8	855.3	1012.2	1105.3	1160.6	1165.2
57.5°	658.7	654.2	662.0	677.0	731.6	815.0	930.8	1060.4	1137.2	1181.4	1186.0
60°	682.2	681.5	690.0	715.4	776.6	852.1	947.8	1063.6	1143.7	1183.4	1189.3
62.5°	700.4	704.3	716.7	740.1	788.9	848.2	943.9	1077.3	1178.8	1230.9	1238.1
65°	716.0	719.9	732.3	740.1	783.7	840.4	965.3	1086.4	1173.6	1227.7	1232.2
67.5°	724.5	729.0	727.1	728.4	762.2	806.5	914.6	1018.7	1090.3	1139.8	1145.6
70°	723.2	719.3	703.7	687.4	694.5	725.8	823.4	910.7	975.7	1014.8	1016.8
72.5°	695.8	689.3	652.2	614.5	603.4	624.2	709.5	775.3	830.6	866.4	877.5
75°	634.0	621.0	567.0	518.1	493.4	509.0	574.8	632.1	673.1	708.2	715.4
77.5°	521.4	513.6	459.6	406.2	378.8	389.3	441.3	475.2	519.4	555.9	546.8
80°	379.5	378.2	334.6	287.1	267.5	272.1	300.1	333.3	361.3	388.6	389.9
82.5°	248.0	244.1	214.8	180.3	160.1	162.7	180.3	197.9	224.6	242.1	247.4
85°	123.0	121.1	108.1	86.6	75.5	75.5	84.0	94.4	107.4	115.2	114.6
87.5°	33.8	30.6	29.9	22.1	18.2	19.5	19.5	21.5	27.3	29.3	31.2
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°	145.2
2.5°	147.1
5°	149.1
7.5°	152.3
10°	157.5
12.5°	163.4
15°	171.8
17.5°	181.6
20°	194.6
22.5°	210.9
25°	227.8
27.5°	250.6
30°	280.6
32.5°	315.7
35°	361.3
37.5°	412.0
40°	474.5
42.5°	556.5
45°	674.4
47.5°	767.4
50°	875.5
52.5°	1085.8
55°	1166.5
57.5°	1187.3
60°	1189.9
62.5°	1234.8
65°	1237.4
67.5°	1141.1
70°	1020.0
72.5°	876.2
75°	720.6
77.5°	556.5
80°	389.3
82.5°	243.4
85°	113.9
87.5°	28.6
90°	0.0

(END OF REPORT)