

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: P198140

Luminaire Tested: **TT-C2-LED-E1-RW-SG-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34699)
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-SG-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3384.9 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full 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

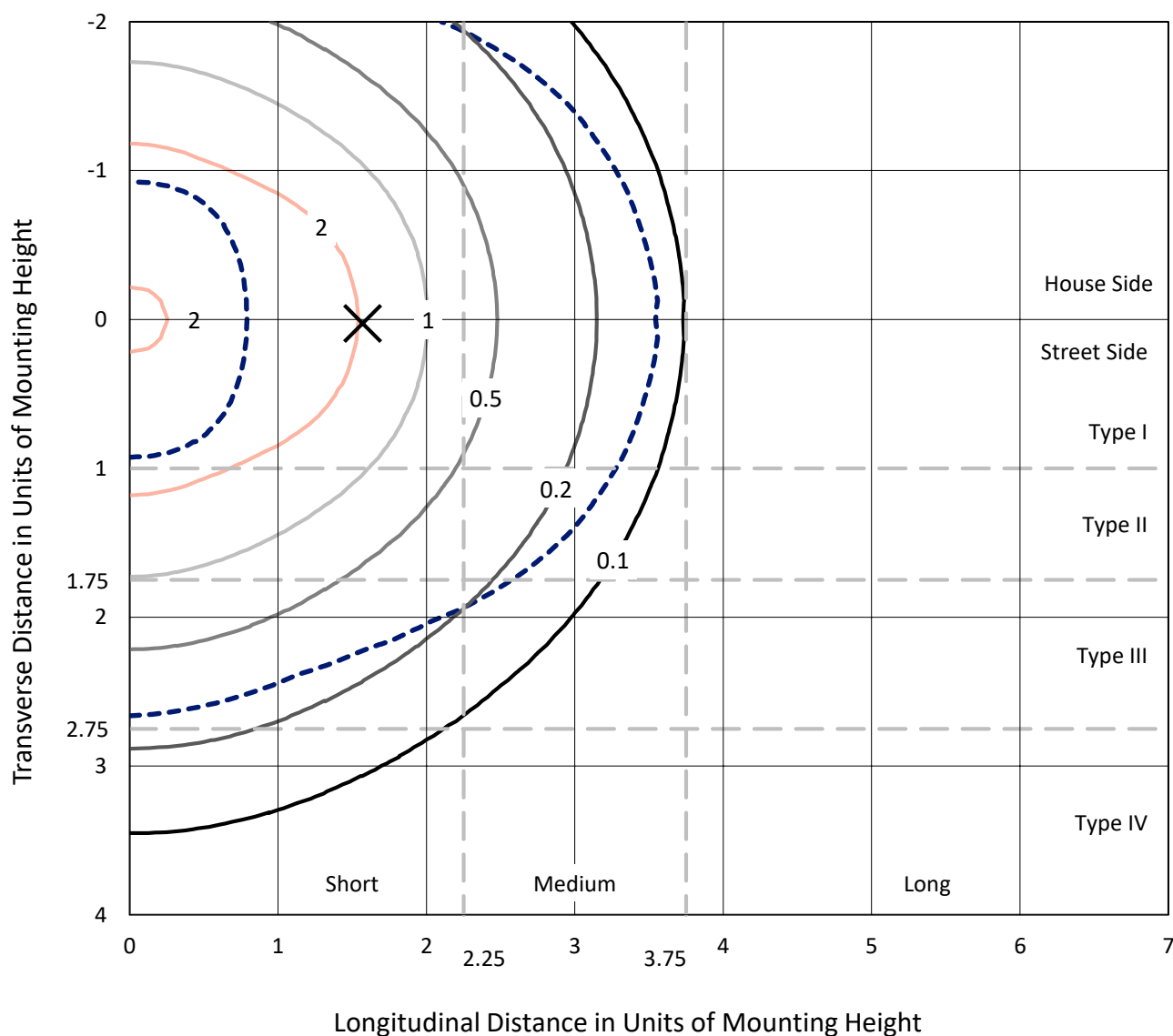


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

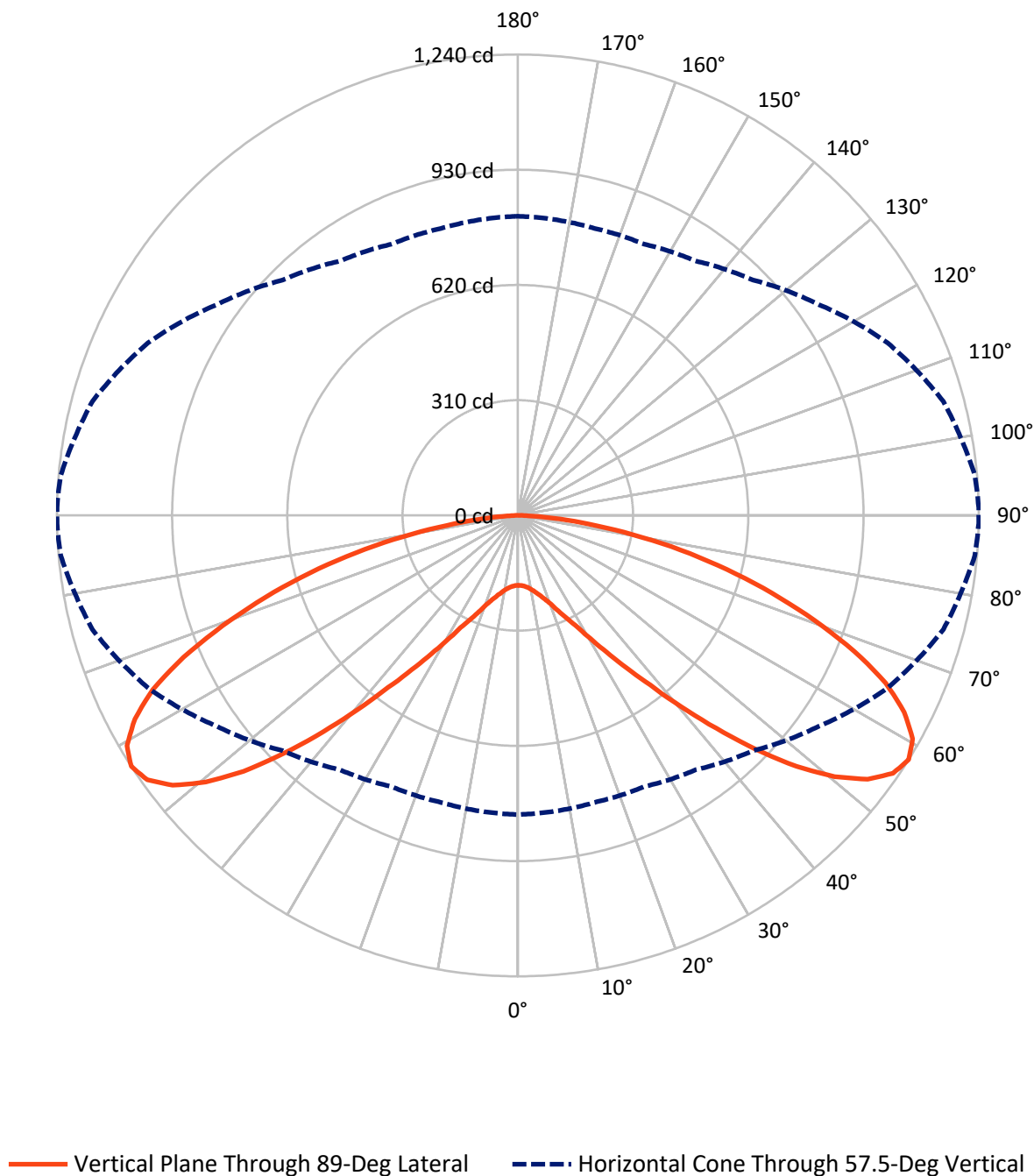


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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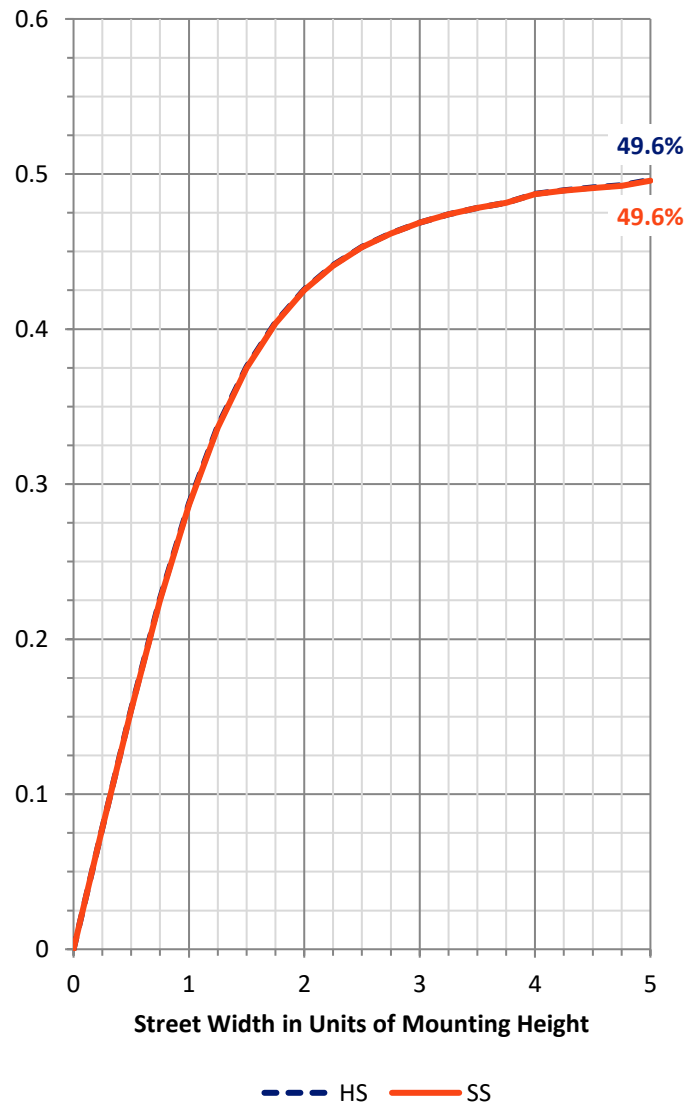
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1692.5	0.0	1692.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1692.5	0.0	1692.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3384.9	0.0	3384.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.7	0.6
10°-20°	65.2	1.9
20°-30°	146.0	4.3
30°-40°	302.2	8.9
40°-50°	573.6	16.9
50°-60°	839.3	24.8
60°-70°	836.7	24.7
70°-80°	498.0	14.7
80°-90°	105.3	3.1
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°	3384.9	100.0
0°-180°	3384.9	100.0

Coefficient of Utilization



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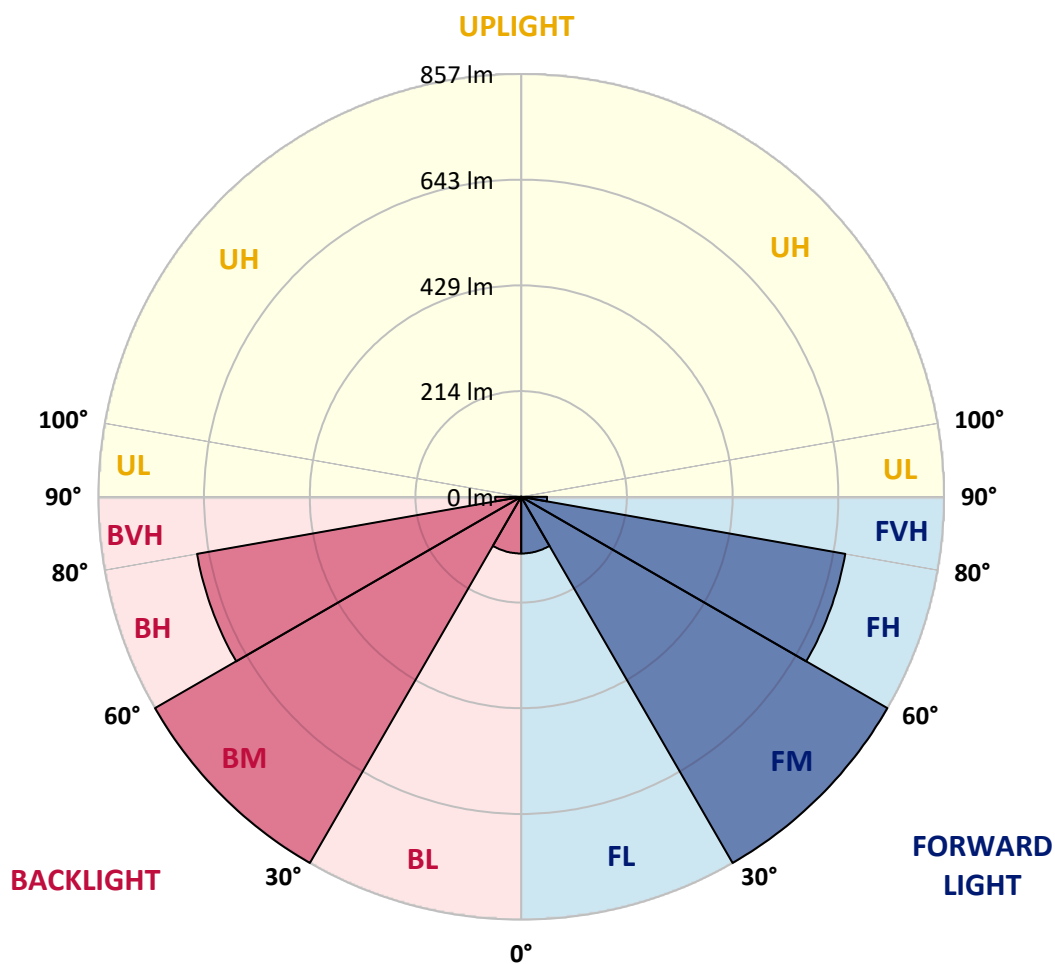
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	114.9	3.4			
FM	(30°-60°)	857.5	25.3			
FH	(60°-80°)	667.4	19.7			G1/1800
FVH	(80°-90°)	52.7	1.6			G1/100
BL	(0°-30°)	114.9	3.4	B1/500		
BM	(30°-60°)	857.5	25.3	B1/1000		
BH	(60°-80°)	667.4	19.7	B2/1000		G2/1000
BVH	(80°-90°)	52.7	1.6			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0
2.5°	189.4	189.4	189.4	189.4	188.7	188.7	188.7	188.7	188.7	188.7	188.7
5°	192.2	192.2	191.5	192.2	191.5	191.5	191.5	191.5	191.5	191.5	191.5
7.5°	196.5	196.5	196.5	196.5	196.5	196.5	195.8	196.5	195.8	195.8	195.8
10°	204.2	203.5	204.2	203.5	203.5	202.8	202.8	202.8	202.8	202.8	202.8
12.5°	214.1	214.1	214.1	213.4	212.7	212.7	212.0	212.0	212.0	211.2	212.0
15°	227.4	228.1	226.0	225.3	225.3	223.9	223.2	223.9	223.2	222.5	223.2
17.5°	243.6	244.3	242.9	241.5	240.1	239.4	238.7	238.0	238.0	238.0	237.3
20°	264.8	264.8	263.4	260.5	258.4	257.0	257.0	256.3	256.3	257.0	254.9
22.5°	288.7	288.0	286.6	285.2	282.4	279.6	278.1	277.4	277.4	278.8	279.6
25°	318.3	319.0	314.8	311.9	309.1	304.2	303.5	304.2	304.9	304.9	306.3
27.5°	348.6	350.0	346.4	342.2	338.0	335.9	334.5	335.9	337.3	339.4	338.7
30°	384.5	383.8	383.1	376.7	371.8	369.7	371.1	375.3	378.8	383.8	384.5
32.5°	423.2	424.6	419.7	414.8	412.6	410.5	412.6	421.8	431.7	434.5	438.0
35°	469.0	466.2	463.3	459.8	456.3	456.3	466.9	477.4	492.9	503.5	503.5
37.5°	515.4	513.3	508.4	503.5	503.5	510.5	521.1	547.1	569.7	585.2	578.8
40°	563.3	560.5	559.1	553.5	554.2	571.1	593.6	626.0	658.4	680.2	676.0
42.5°	611.9	612.6	607.7	605.6	611.9	630.9	670.4	714.0	754.9	782.3	783.0
45°	661.9	661.9	658.4	657.0	669.0	697.8	747.1	807.0	861.9	893.6	897.1
47.5°	707.7	707.0	704.2	703.5	723.9	758.4	820.3	897.1	964.7	999.9	1009.1
50°	747.1	747.8	743.6	747.1	765.4	811.2	885.8	978.8	1056.2	1100.6	1104.8
52.5°	778.1	778.8	773.9	776.7	801.3	854.1	937.2	1041.5	1126.0	1173.1	1178.8
55°	799.2	796.4	792.9	797.1	825.3	883.7	974.6	1083.0	1171.0	1220.3	1224.5
57.5°	804.9	802.7	799.2	804.9	835.1	895.0	988.6	1097.8	1185.1	1234.4	1240.0
60°	796.4	796.4	792.2	798.5	828.8	887.2	978.8	1084.4	1167.5	1212.6	1220.3
62.5°	774.6	774.6	769.6	774.6	803.4	857.7	945.0	1042.9	1118.2	1157.6	1166.8
65°	733.7	733.0	730.2	731.6	755.6	807.0	886.5	975.3	1040.7	1076.0	1087.9
67.5°	674.6	672.5	669.7	672.5	690.1	735.8	809.1	886.5	940.8	974.6	977.4
70°	599.2	597.1	593.6	592.2	610.5	647.1	706.3	774.6	819.6	844.3	847.1
72.5°	509.8	512.6	509.8	505.6	517.6	549.9	599.2	651.3	688.7	711.2	714.7
75°	421.8	422.5	415.5	414.0	423.2	443.6	483.8	523.9	556.3	575.3	580.9
77.5°	326.7	326.7	320.4	316.9	321.8	339.4	366.9	399.3	426.0	438.0	447.8
80°	235.2	235.2	229.6	221.1	226.0	235.2	259.8	277.4	298.6	311.9	313.4
82.5°	147.2	145.1	146.5	140.1	141.5	144.4	159.8	171.8	184.5	191.5	192.2
85°	76.8	73.9	72.5	69.0	66.9	71.8	78.9	87.3	90.1	96.5	94.4
87.5°	23.9	22.5	21.8	21.8	19.7	21.1	21.8	23.2	26.8	26.8	28.2
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°	188.0
2.5°	188.7
5°	191.5
7.5°	195.8
10°	202.8
12.5°	211.2
15°	223.2
17.5°	238.0
20°	254.9
22.5°	277.4
25°	304.9
27.5°	337.3
30°	383.8
32.5°	435.9
35°	499.3
37.5°	585.9
40°	675.3
42.5°	788.0
45°	897.1
47.5°	1009.1
50°	1102.7
52.5°	1176.7
55°	1226.6
57.5°	1240.0
60°	1218.2
62.5°	1164.7
65°	1086.5
67.5°	977.4
70°	851.3
72.5°	712.6
75°	574.6
77.5°	445.0
80°	313.4
82.5°	197.9
85°	94.4
87.5°	30.3
90°	0.0

(END OF REPORT)