

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: P197999

Luminaire Tested: **TT-C3-LED-E1-RW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197999
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-RW-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4814.7 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 45
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



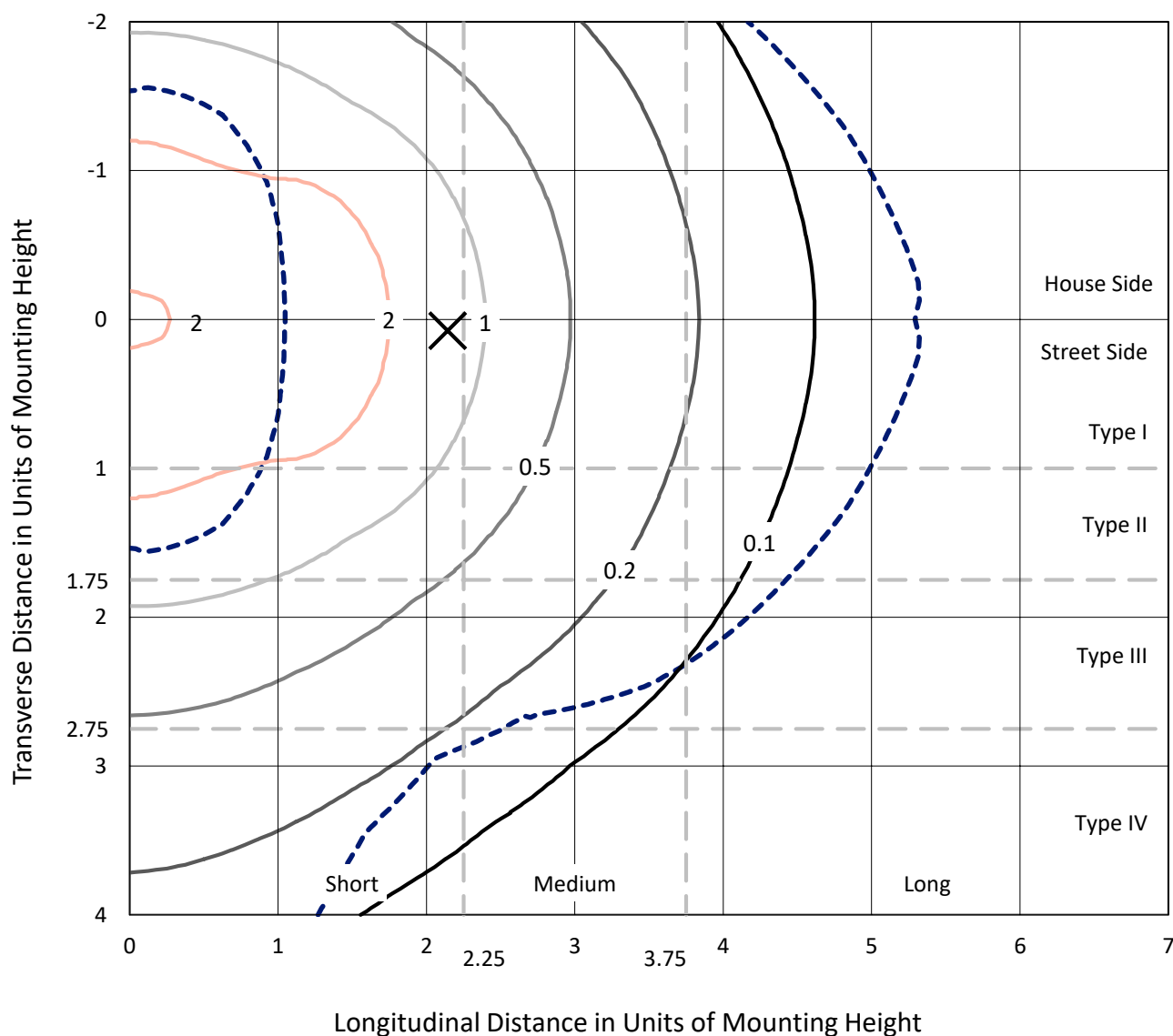
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

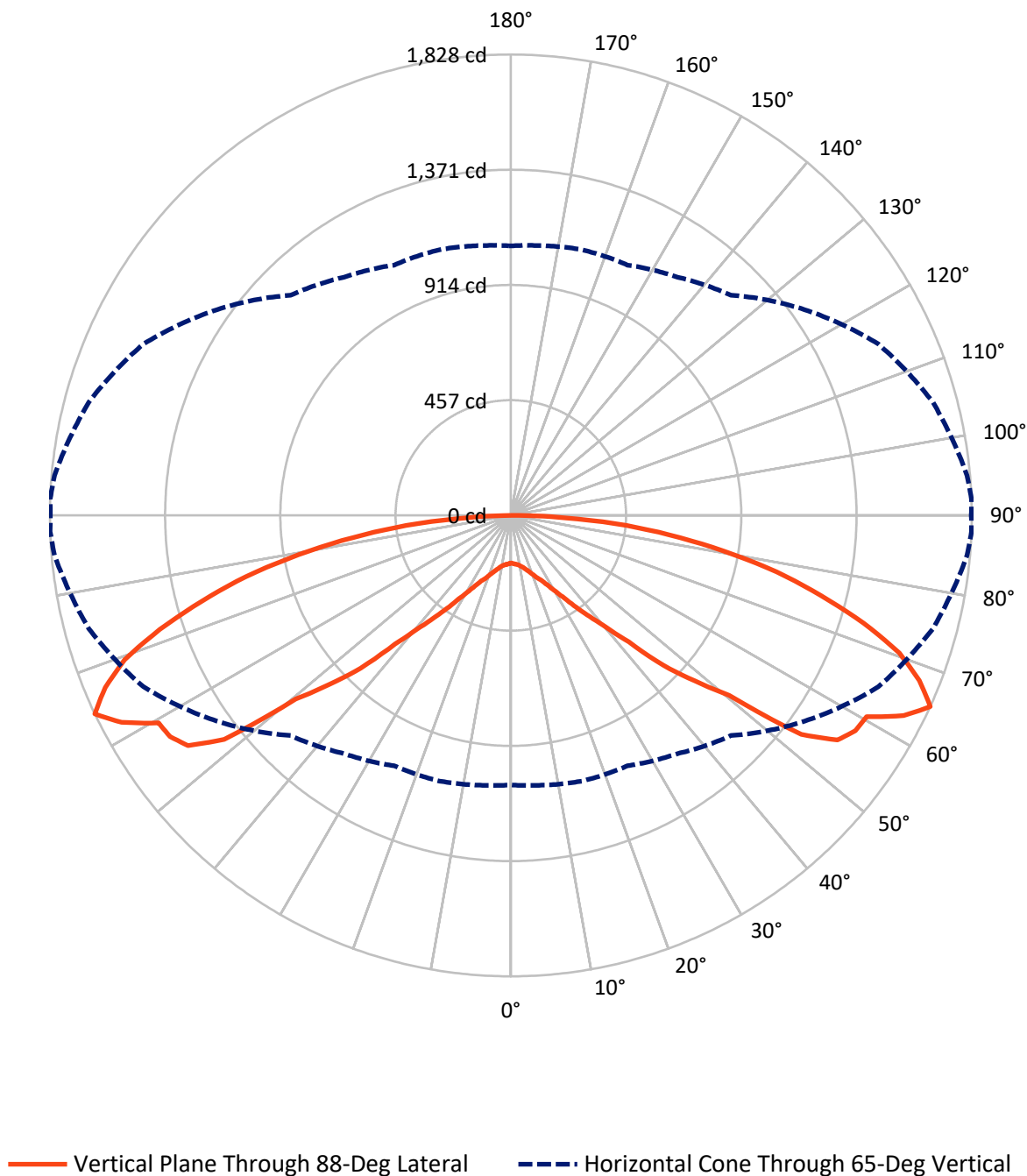


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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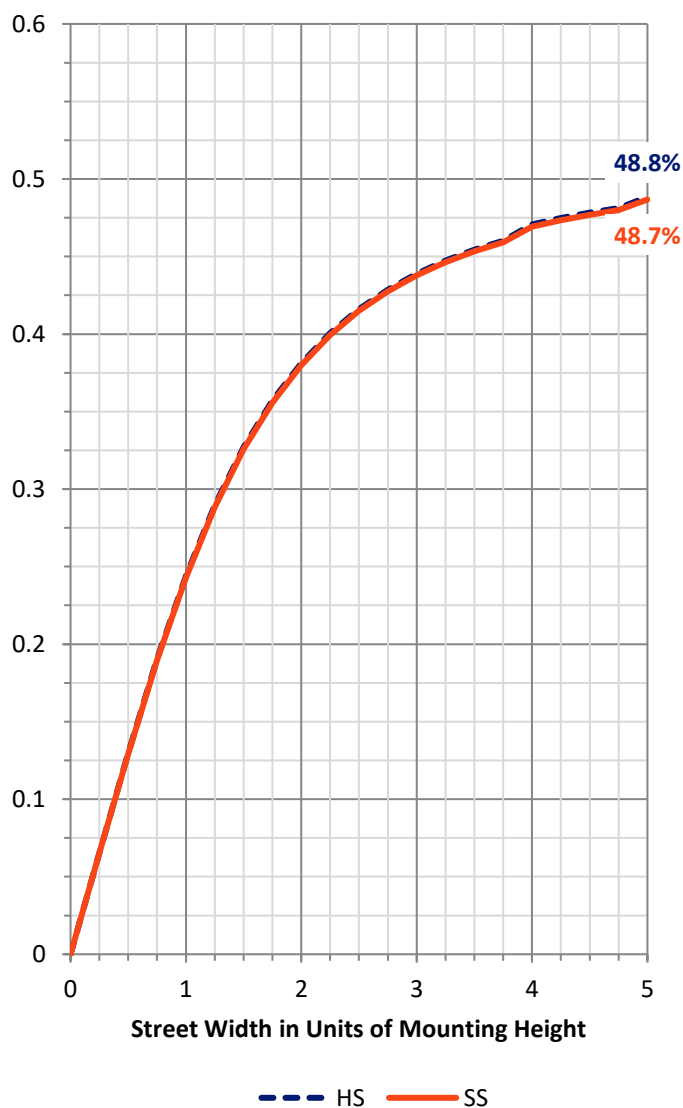
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2407.3	0.0	2407.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2407.3	0.0	2407.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	4814.7	0.0	4814.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.9	0.4
10°-20°	65.6	1.4
20°-30°	144.8	3.0
30°-40°	288.5	6.0
40°-50°	552.3	11.5
50°-60°	988.6	20.5
60°-70°	1310.0	27.2
70°-80°	1093.2	22.7
80°-90°	352.7	7.3
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°	4814.7	100.0
0°-180°	4814.7	100.0

Coefficient of Utilization



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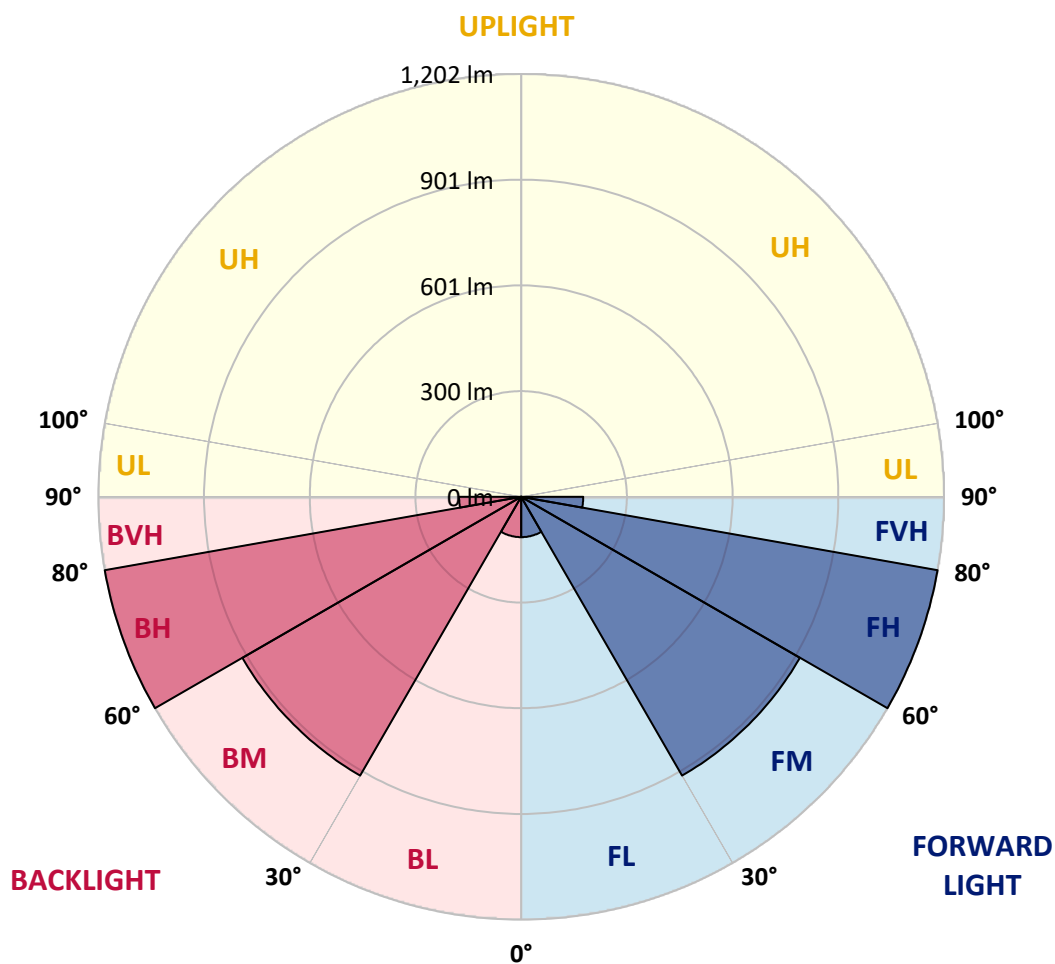
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	114.6	2.4			
FM	(30°-60°)	914.7	19.0			
FH	(60°-80°)	1201.6	25.0			G1/1800
FVH	(80°-90°)	176.4	3.7			G2/225
BL	(0°-30°)	114.6	2.4	B1/500		
BM	(30°-60°)	914.7	19.0	B1/1000		
BH	(60°-80°)	1201.6	25.0	B3/2500		G3/2500
BVH	(80°-90°)	176.4	3.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	188.5	188.5	188.5	188.5	188.5	188.5	188.5	188.5	188.5	188.5	188.5
2.5°	190.4	190.4	190.4	190.4	191.4	191.4	191.4	191.4	191.4	191.4	191.4
5°	193.3	193.3	194.2	194.2	195.2	195.2	195.2	195.2	194.2	194.2	194.2
7.5°	198.0	198.9	199.9	199.9	199.9	198.9	198.0	198.0	197.1	197.1	197.1
10°	206.5	206.5	207.5	207.5	206.5	205.6	204.6	203.7	203.7	203.7	202.7
12.5°	216.9	216.9	217.9	216.9	215.1	214.1	212.2	211.3	211.3	210.3	210.3
15°	231.2	233.1	233.1	230.2	227.4	224.5	223.6	221.7	221.7	221.7	221.7
17.5°	252.9	252.0	248.2	245.4	243.5	238.7	236.8	235.9	234.0	234.0	234.0
20°	277.6	275.7	270.9	267.2	263.4	257.7	253.9	252.0	251.1	250.1	250.1
22.5°	305.1	302.2	295.6	292.7	285.2	279.5	274.7	270.9	268.1	267.2	269.1
25°	333.5	333.5	327.8	320.2	312.6	304.1	297.5	292.7	288.9	288.0	287.1
27.5°	363.8	365.7	358.1	350.5	342.0	330.6	324.0	317.4	316.4	315.5	314.5
30°	396.0	399.8	392.2	384.6	373.3	361.9	353.4	350.5	347.7	349.6	349.6
32.5°	435.8	437.7	429.2	423.5	408.3	396.9	389.4	387.5	388.4	387.5	390.3
35°	482.2	479.4	472.7	461.4	448.1	437.7	432.0	435.8	446.2	450.0	448.1
37.5°	533.4	522.9	519.2	504.9	492.6	484.1	486.0	495.5	504.0	510.6	508.7
40°	571.3	573.2	562.7	549.5	538.1	536.2	546.6	558.9	575.0	580.7	582.6
42.5°	610.1	621.5	609.2	595.9	590.2	594.0	609.2	633.8	669.8	688.7	685.9
45°	654.6	666.9	653.7	643.3	642.3	656.5	689.7	754.1	807.2	845.0	848.8
47.5°	701.0	710.5	698.2	691.6	701.0	728.5	785.4	871.6	928.4	972.9	980.5
50°	759.8	756.0	746.5	745.6	766.4	816.6	893.4	980.5	1082.8	1112.2	1121.7
52.5°	817.6	803.4	801.5	806.2	843.2	900.0	1002.3	1173.8	1324.4	1430.5	1441.9
55°	871.6	855.5	859.3	871.6	923.7	1009.9	1152.0	1361.4	1493.0	1567.9	1571.7
57.5°	920.8	911.4	919.9	936.9	1014.6	1125.5	1276.1	1448.5	1548.0	1601.0	1610.5
60°	971.0	969.2	979.6	1010.8	1094.2	1192.7	1318.7	1471.3	1570.7	1611.5	1620.9
62.5°	1018.4	1025.0	1038.3	1068.6	1133.0	1209.8	1332.0	1518.6	1667.4	1731.8	1747.9
65°	1068.6	1074.3	1090.4	1095.1	1152.9	1234.4	1422.0	1607.7	1732.7	1816.1	1827.5
67.5°	1114.1	1121.7	1116.0	1112.2	1162.4	1234.4	1404.0	1566.9	1671.1	1734.6	1746.9
70°	1157.7	1149.1	1126.4	1097.0	1111.3	1160.5	1315.9	1457.0	1562.2	1621.9	1634.2
72.5°	1169.0	1157.7	1097.0	1029.8	1008.9	1045.9	1188.9	1314.0	1400.2	1456.1	1463.7
75°	1139.7	1116.0	1013.7	920.8	881.0	918.0	1037.4	1144.4	1205.0	1265.7	1270.4
77.5°	1022.2	1007.0	893.4	780.6	736.1	763.6	863.0	938.8	1008.9	1067.7	1079.0
80°	839.4	826.1	725.7	633.8	574.1	593.0	666.0	726.6	793.9	840.3	854.5
82.5°	617.7	615.8	543.8	457.6	415.9	414.0	468.9	528.6	579.8	624.3	633.8
85°	388.4	388.4	339.2	287.1	243.5	244.4	277.6	321.2	385.6	414.0	416.8
87.5°	131.7	125.1	116.5	94.7	75.8	68.2	72.9	83.4	126.9	157.3	162.9
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°	188.5
2.5°	191.4
5°	194.2
7.5°	197.1
10°	202.7
12.5°	211.3
15°	220.7
17.5°	234.0
20°	250.1
22.5°	268.1
25°	287.1
27.5°	315.5
30°	348.6
32.5°	389.4
35°	449.0
37.5°	510.6
40°	587.4
42.5°	693.5
45°	839.4
47.5°	980.5
50°	1111.3
52.5°	1418.2
55°	1575.5
57.5°	1609.6
60°	1618.1
62.5°	1739.4
65°	1825.6
67.5°	1746.0
70°	1631.4
72.5°	1458.0
75°	1278.0
77.5°	1079.0
80°	843.2
82.5°	633.8
85°	410.2
87.5°	158.2
90°	0.0

(END OF REPORT)