

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: P198000

Luminaire Tested: **TT-C3-LED-E1-RW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198000
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-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4705.5 lumens
Efficiency: N/A
Efficacy: 104.6 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



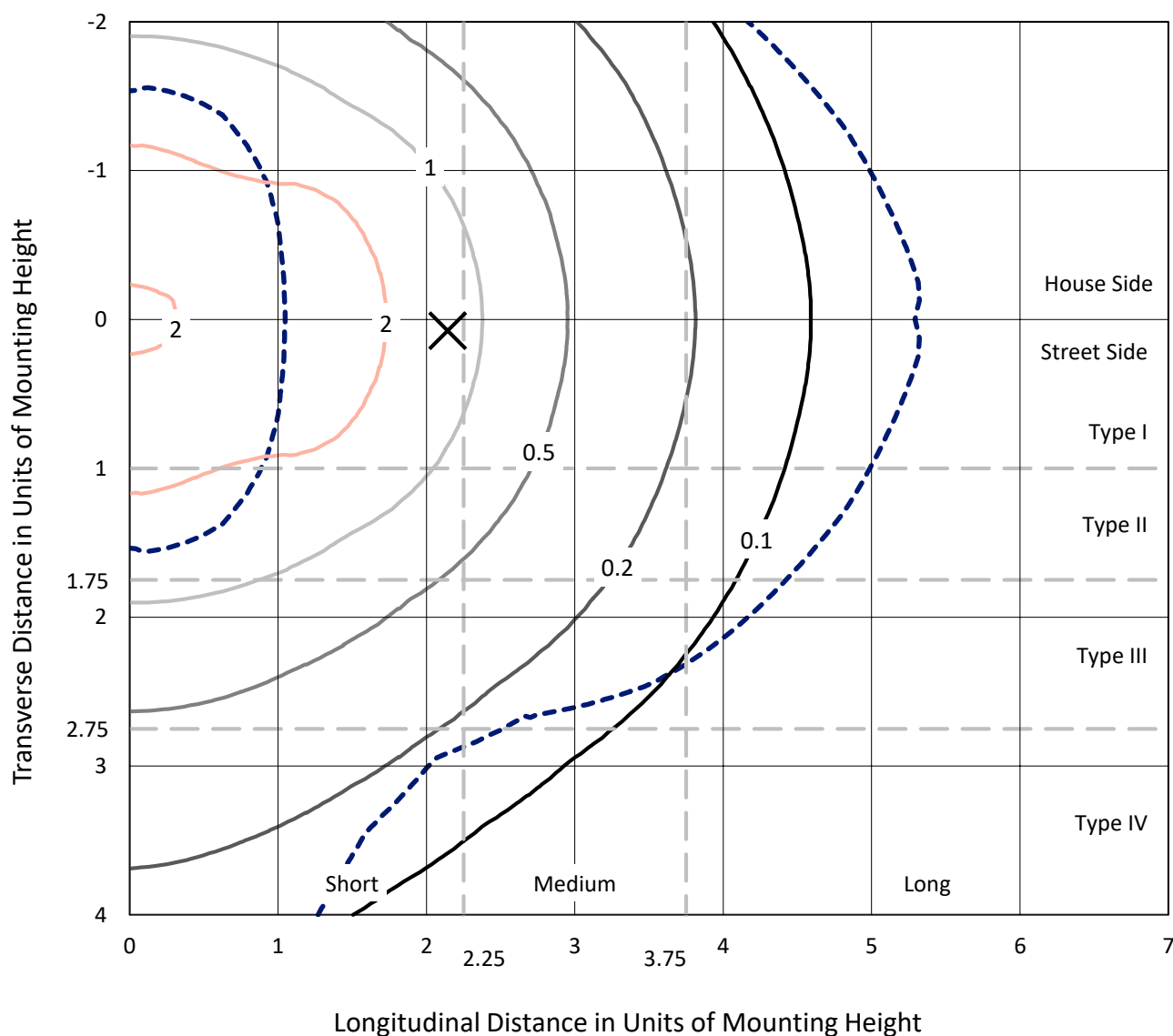
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

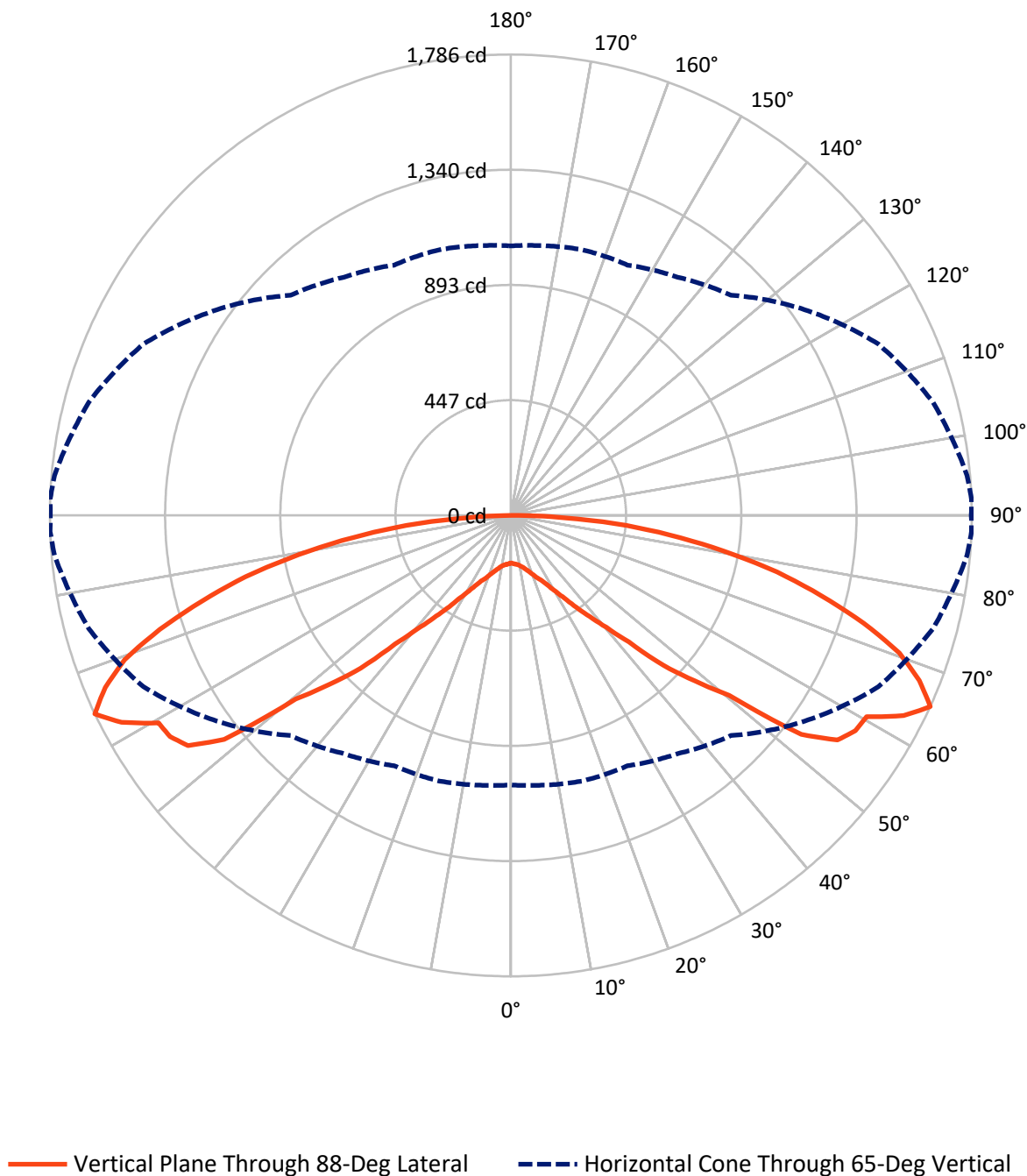


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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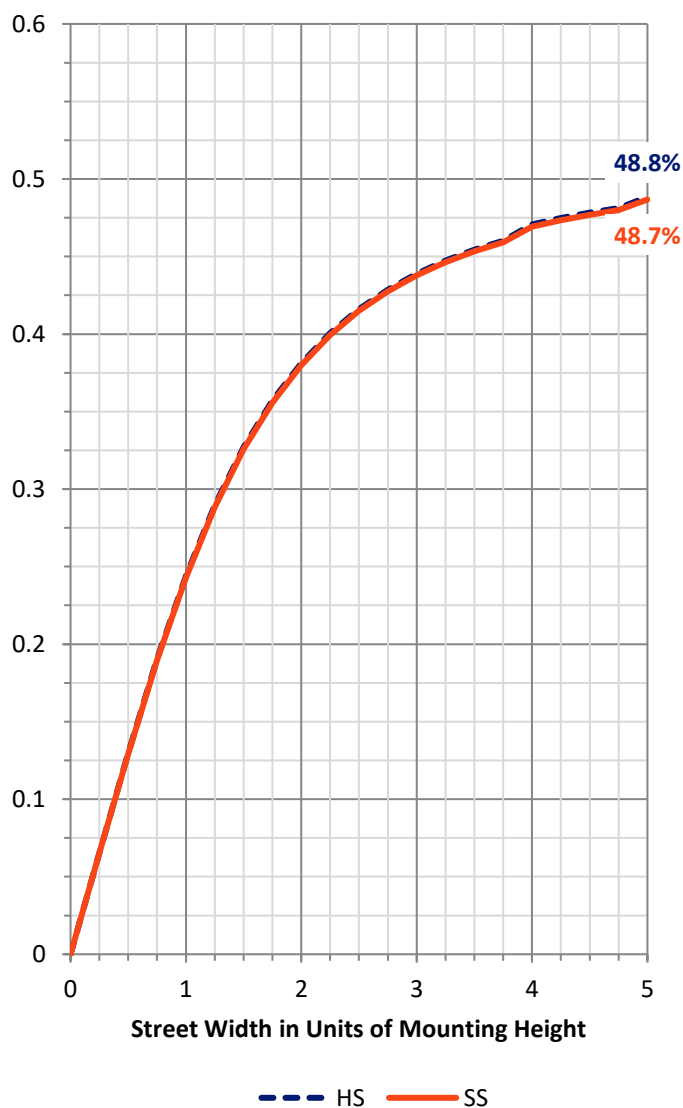
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2352.7	0.0	2352.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2352.7	0.0	2352.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4705.5	0.0	4705.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	0.4
10°-20°	64.1	1.4
20°-30°	141.5	3.0
30°-40°	282.0	6.0
40°-50°	539.8	11.5
50°-60°	966.2	20.5
60°-70°	1280.3	27.2
70°-80°	1068.4	22.7
80°-90°	344.7	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°	4705.5	100.0
0°-180°	4705.5	100.0

Coefficient of Utilization



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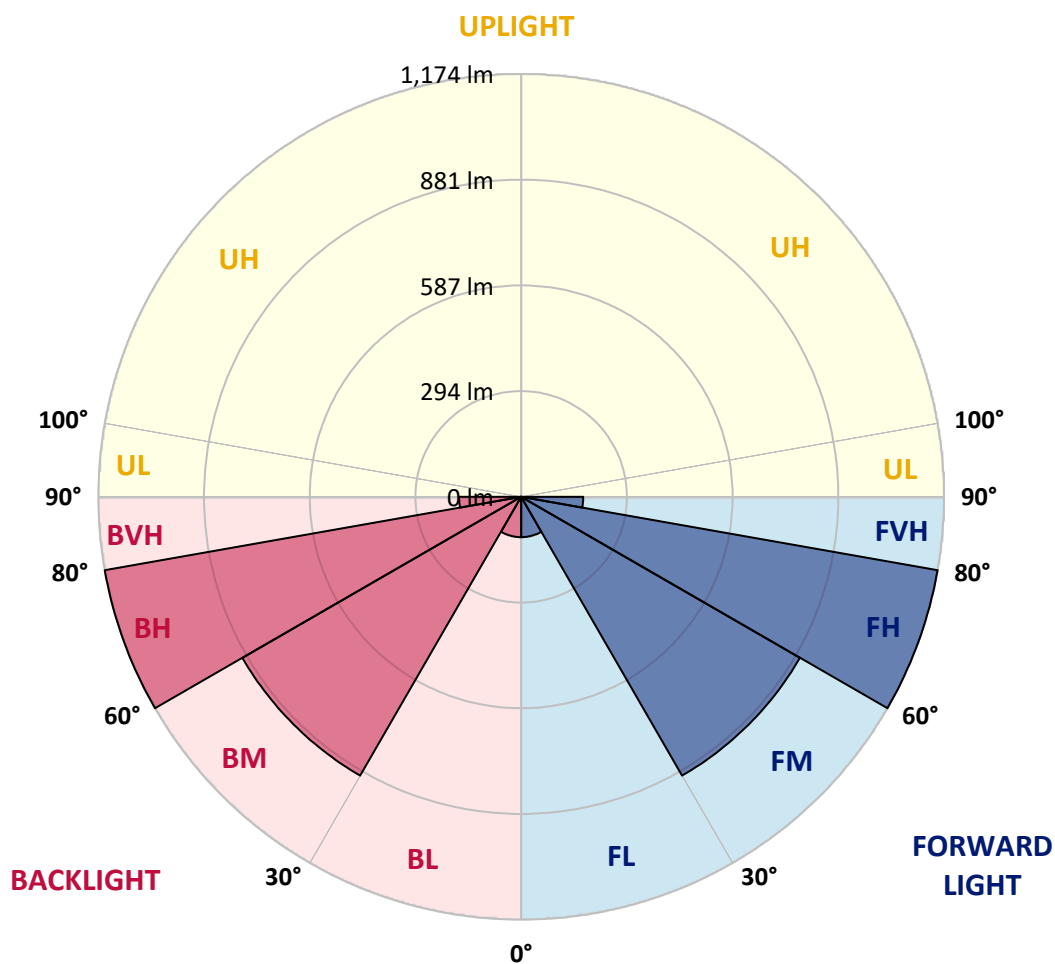
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	112.0	2.4			
FM	(30°-60°)	894.0	19.0			
FH	(60°-80°)	1174.4	25.0			G1/1800
FVH	(80°-90°)	172.4	3.7			G2/225
BL	(0°-30°)	112.0	2.4	B1/500		
BM	(30°-60°)	894.0	19.0	B1/1000		
BH	(60°-80°)	1174.4	25.0	B3/2500		G3/2500
BVH	(80°-90°)	172.4	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°	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2
2.5°	186.1	186.1	186.1	186.1	187.0	187.0	187.0	187.0	187.0	187.0	187.0
5°	188.9	188.9	189.8	189.8	190.7	190.7	190.7	190.7	189.8	189.8	189.8
7.5°	193.5	194.4	195.4	195.4	195.4	194.4	193.5	193.5	192.6	192.6	192.6
10°	201.8	201.8	202.8	202.8	201.8	200.9	200.0	199.1	199.1	199.1	198.1
12.5°	212.0	212.0	213.0	212.0	210.2	209.2	207.4	206.5	206.5	205.5	205.5
15°	225.9	227.8	227.8	225.0	222.2	219.4	218.5	216.7	216.7	216.7	216.7
17.5°	247.2	246.3	242.6	239.8	237.9	233.3	231.5	230.5	228.7	228.7	228.7
20°	271.3	269.4	264.8	261.1	257.4	251.8	248.1	246.3	245.4	244.4	244.4
22.5°	298.1	295.4	288.9	286.1	278.7	273.1	268.5	264.8	262.0	261.1	262.9
25°	325.9	325.9	320.4	312.9	305.5	297.2	290.7	286.1	282.4	281.5	280.5
27.5°	355.5	357.4	350.0	342.6	334.2	323.1	316.6	310.2	309.2	308.3	307.4
30°	387.0	390.7	383.3	375.9	364.8	353.7	345.4	342.6	339.8	341.6	341.6
32.5°	425.9	427.8	419.4	413.9	399.1	387.9	380.5	378.7	379.6	378.7	381.5
35°	471.3	468.5	462.0	450.9	437.9	427.8	422.2	425.9	436.1	439.8	437.9
37.5°	521.3	511.1	507.4	493.5	481.5	473.1	475.0	484.2	492.6	499.0	497.2
40°	558.3	560.2	550.0	537.0	525.9	524.0	534.2	546.3	562.0	567.6	569.4
42.5°	596.3	607.4	595.3	582.4	576.8	580.5	595.3	619.4	654.6	673.1	670.3
45°	639.8	651.8	638.9	628.7	627.7	641.6	674.0	737.0	788.8	825.9	829.6
47.5°	685.1	694.4	682.4	675.9	685.1	712.0	767.6	851.8	907.4	950.9	958.3
50°	742.6	738.8	729.6	728.7	749.0	798.1	873.1	958.3	1058.3	1087.0	1096.2
52.5°	799.0	785.1	783.3	787.9	824.0	879.6	979.6	1147.2	1294.4	1398.1	1409.2
55°	851.8	836.1	839.8	851.8	902.7	987.0	1125.9	1330.5	1459.2	1532.3	1536.0
57.5°	900.0	890.7	899.0	915.7	991.6	1099.9	1247.2	1415.7	1512.9	1564.7	1574.0
60°	949.0	947.2	957.4	987.9	1069.4	1165.7	1288.8	1437.9	1535.1	1574.9	1584.2
62.5°	995.3	1001.8	1014.8	1044.4	1107.3	1182.3	1301.8	1484.2	1629.5	1692.5	1708.2
65°	1044.4	1049.9	1065.7	1070.3	1126.8	1206.4	1389.7	1571.2	1693.4	1774.9	1786.0
67.5°	1088.8	1096.2	1090.7	1087.0	1136.0	1206.4	1372.1	1531.4	1633.2	1695.3	1707.3
70°	1131.4	1123.1	1100.9	1072.2	1086.1	1134.2	1286.0	1424.0	1526.8	1585.1	1597.1
72.5°	1142.5	1131.4	1072.2	1006.4	986.1	1022.2	1162.0	1284.2	1368.4	1423.1	1430.5
75°	1113.8	1090.7	990.7	900.0	861.1	897.2	1013.8	1118.5	1177.7	1237.0	1241.6
77.5°	999.0	984.2	873.1	762.9	719.4	746.3	843.5	917.5	986.1	1043.5	1054.6
80°	820.3	807.4	709.2	619.4	561.1	579.6	650.9	710.1	775.9	821.3	835.1
82.5°	603.7	601.8	531.5	447.2	406.5	404.6	458.3	516.6	566.6	610.2	619.4
85°	379.6	379.6	331.5	280.5	237.9	238.9	271.3	313.9	376.8	404.6	407.4
87.5°	128.7	122.2	113.9	92.6	74.1	66.7	71.3	81.5	124.1	153.7	159.3
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°	184.2
2.5°	187.0
5°	189.8
7.5°	192.6
10°	198.1
12.5°	206.5
15°	215.7
17.5°	228.7
20°	244.4
22.5°	262.0
25°	280.5
27.5°	308.3
30°	340.7
32.5°	380.5
35°	438.9
37.5°	499.0
40°	574.0
42.5°	677.7
45°	820.3
47.5°	958.3
50°	1086.1
52.5°	1386.0
55°	1539.7
57.5°	1573.1
60°	1581.4
62.5°	1699.9
65°	1784.2
67.5°	1706.4
70°	1594.4
72.5°	1424.9
75°	1249.0
77.5°	1054.6
80°	824.0
82.5°	619.4
85°	400.9
87.5°	154.6
90°	0.0

(END OF REPORT)