

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: P198072

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198072
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-C3-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: 4527.2 lumens
Efficiency: N/A
Efficacy: 100.6 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



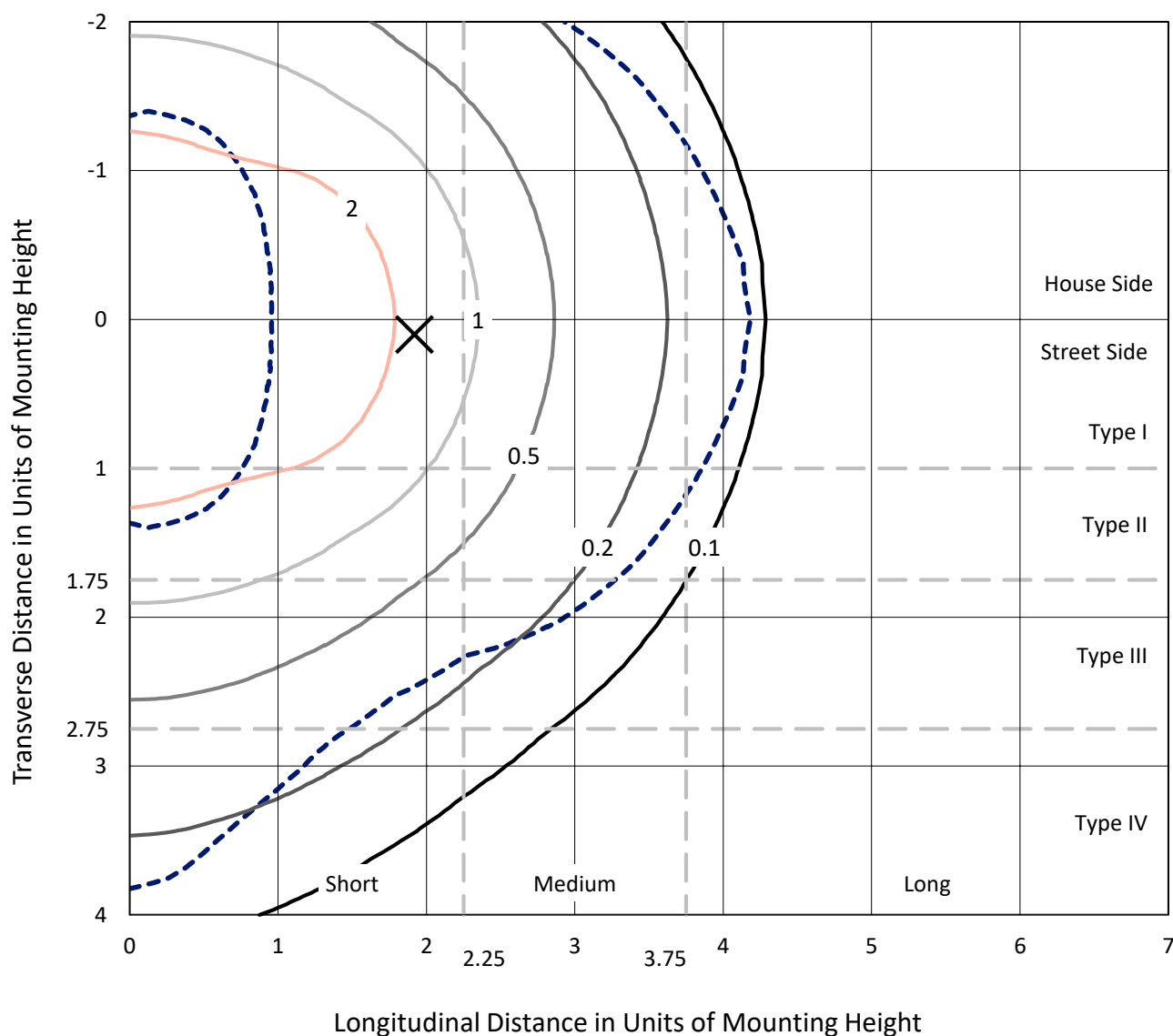
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

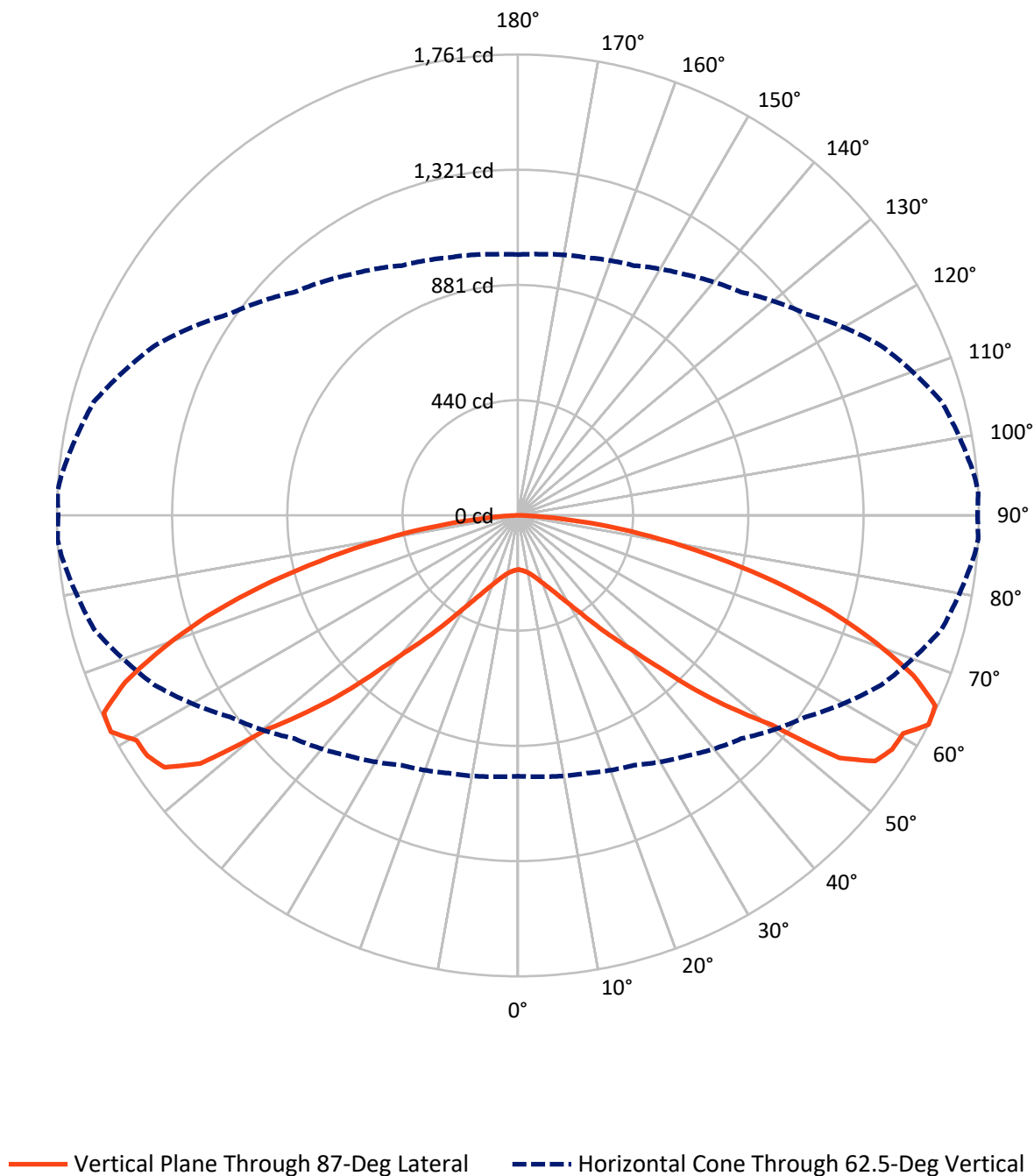


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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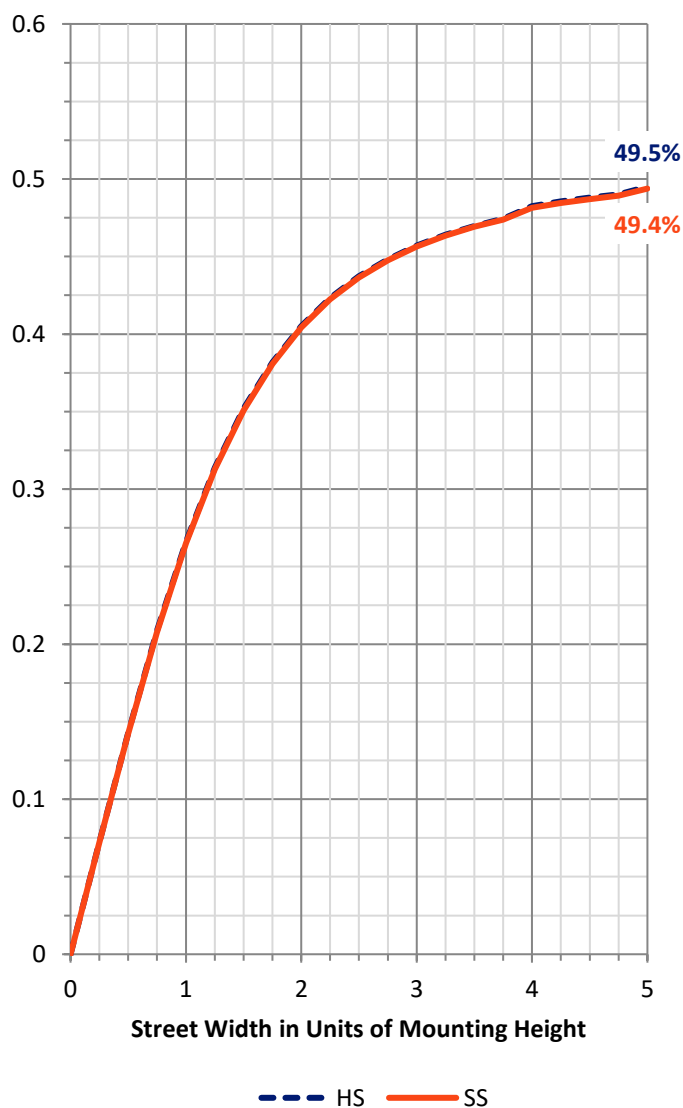
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2263.6	0.0	2263.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2263.6	0.0	2263.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	4527.2	0.0	4527.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.7	0.5
10°-20°	71.5	1.6
20°-30°	157.8	3.5
30°-40°	317.8	7.0
40°-50°	606.1	13.4
50°-60°	1037.8	22.9
60°-70°	1257.3	27.8
70°-80°	871.1	19.2
80°-90°	187.2	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°	4527.2	100.0
0°-180°	4527.2	100.0

Coefficient of Utilization



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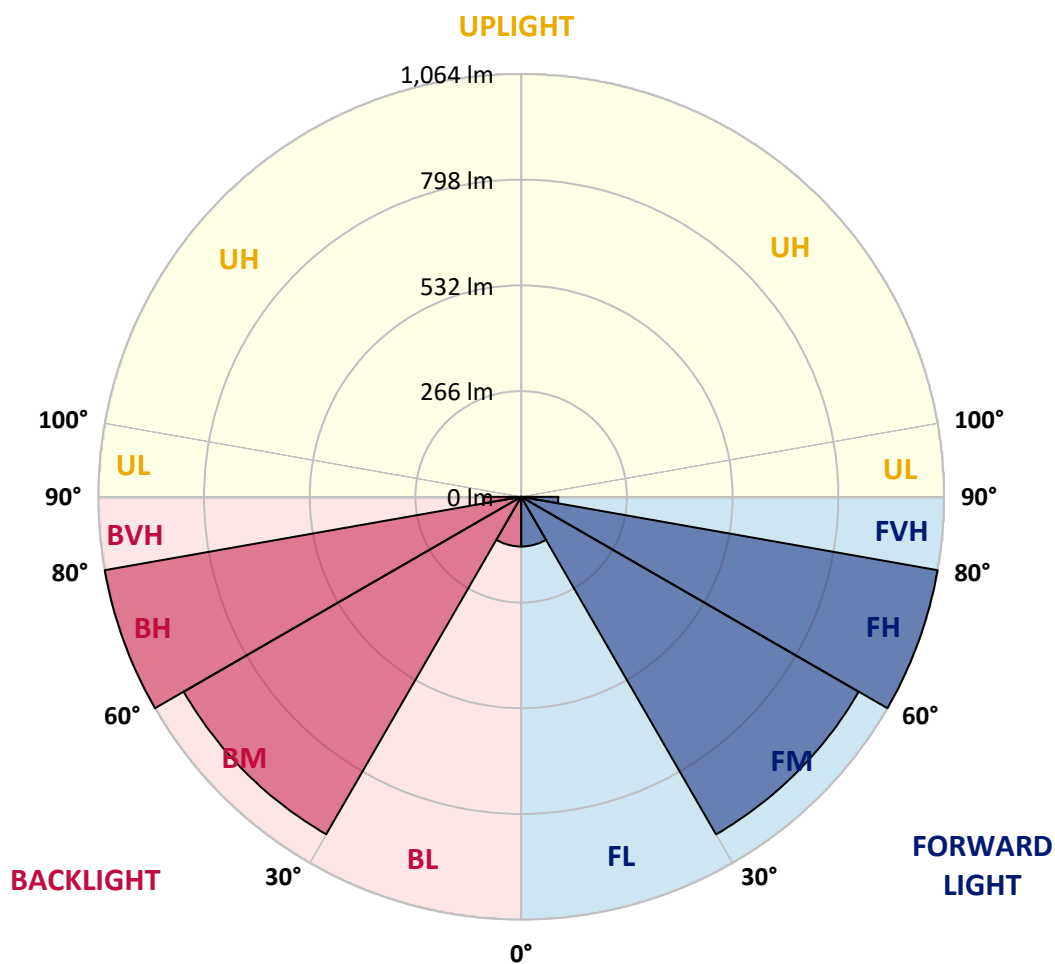
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	125.0	2.8			
FM	(30°-60°)	980.8	21.7			
FH	(60°-80°)	1064.2	23.5			G1/1800
FVH	(80°-90°)	93.6	2.1			G1/100
BL	(0°-30°)	125.0	2.8	B1/500		
BM	(30°-60°)	980.8	21.7	B1/1000		
BH	(60°-80°)	1064.2	23.5	B3/2500		G3/2500
BVH	(80°-90°)	93.6	2.1			G1/100
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°	87°
0°	206.5	206.5	206.5	206.5	206.5	206.5	206.5	206.5	206.5	206.5	206.5
2.5°	208.3	208.3	209.2	209.2	209.2	209.2	209.2	209.2	209.2	209.2	209.2
5°	212.0	212.0	212.0	213.0	213.0	213.0	213.0	213.0	212.0	212.0	212.0
7.5°	217.6	217.6	217.6	218.5	218.5	218.5	217.6	217.6	216.7	216.7	216.7
10°	225.0	225.0	225.9	225.9	225.0	225.0	224.1	223.1	224.1	223.1	223.1
12.5°	235.2	237.0	236.1	236.1	234.2	234.2	233.3	233.3	233.3	232.4	232.4
15°	250.0	250.0	250.9	249.1	249.1	246.3	245.4	244.4	245.4	245.4	244.4
17.5°	267.6	267.6	267.6	264.8	262.9	261.1	260.2	259.2	258.3	259.2	259.2
20°	294.4	292.6	288.9	287.0	282.4	280.5	278.7	277.8	276.8	276.8	276.8
22.5°	322.2	320.4	315.7	312.0	308.3	303.7	301.8	298.1	297.2	299.1	298.1
25°	349.1	351.8	346.3	341.6	338.9	331.5	326.8	325.9	324.1	323.1	324.1
27.5°	382.4	384.2	379.6	373.1	367.6	362.0	357.4	355.5	356.5	356.5	357.4
30°	419.4	423.1	415.7	412.0	403.7	396.3	392.6	394.4	396.3	399.1	398.1
32.5°	462.0	462.0	458.3	451.8	442.6	436.1	434.2	437.0	445.3	449.0	448.1
35°	512.0	508.3	504.6	496.3	484.2	480.5	484.2	493.5	505.5	512.0	515.7
37.5°	563.9	556.5	550.9	541.6	536.1	534.2	542.6	560.2	573.1	585.2	590.7
40°	608.3	608.3	600.9	590.7	585.2	593.5	606.4	631.4	656.4	669.4	678.7
42.5°	652.7	658.3	650.0	641.6	641.6	652.7	677.7	716.6	763.8	791.6	796.3
45°	699.0	709.2	698.1	692.6	698.1	720.3	767.6	842.5	912.9	958.3	950.9
47.5°	747.2	756.4	746.3	743.5	756.4	796.3	868.5	964.8	1035.1	1082.3	1100.9
50°	806.4	800.0	796.3	795.3	822.2	881.4	974.9	1078.6	1191.6	1234.2	1257.3
52.5°	856.4	845.3	843.5	850.0	894.4	965.7	1082.3	1273.1	1429.6	1535.1	1538.8
55°	900.0	887.9	894.4	910.1	970.3	1069.4	1216.6	1439.7	1572.1	1650.8	1657.3
57.5°	937.0	930.5	941.6	962.9	1040.7	1159.2	1324.0	1508.3	1617.5	1680.5	1686.9
60°	970.3	969.4	981.4	1017.5	1104.6	1212.0	1348.1	1512.9	1626.8	1683.2	1691.6
62.5°	996.2	1001.8	1019.4	1052.7	1122.2	1206.4	1342.5	1532.3	1676.8	1750.8	1761.0
65°	1018.5	1024.0	1041.6	1052.7	1114.8	1195.3	1373.1	1545.3	1669.4	1746.2	1752.7
67.5°	1030.5	1037.0	1034.2	1036.1	1084.2	1147.2	1300.9	1449.0	1550.8	1621.2	1629.5
70°	1028.6	1023.1	1000.9	977.7	987.9	1032.4	1171.2	1295.3	1387.9	1443.4	1446.2
72.5°	989.8	980.5	927.7	874.0	858.3	887.9	1009.2	1102.7	1181.4	1232.3	1248.1
75°	901.8	883.3	806.4	737.0	701.8	724.0	817.5	899.0	957.4	1007.4	1017.5
77.5°	741.6	730.5	653.7	577.7	538.9	553.7	627.7	675.9	738.8	790.7	777.7
80°	539.8	537.9	475.9	408.3	380.5	387.0	426.8	474.0	513.9	552.7	554.6
82.5°	352.8	347.2	305.5	256.5	227.8	231.5	256.5	281.5	319.4	344.4	351.8
85°	175.0	172.2	153.7	123.1	107.4	107.4	119.4	134.3	152.8	163.9	163.0
87.5°	48.1	43.5	42.6	31.5	25.9	27.8	27.8	30.6	38.9	41.7	44.4
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°	206.5
2.5°	209.2
5°	212.0
7.5°	216.7
10°	224.1
12.5°	232.4
15°	244.4
17.5°	258.3
20°	276.8
22.5°	300.0
25°	324.1
27.5°	356.5
30°	399.1
32.5°	449.0
35°	513.9
37.5°	586.1
40°	675.0
42.5°	791.6
45°	959.2
47.5°	1091.6
50°	1245.3
52.5°	1544.4
55°	1659.2
57.5°	1688.8
60°	1692.5
62.5°	1756.4
65°	1760.1
67.5°	1623.1
70°	1450.8
72.5°	1246.2
75°	1024.9
77.5°	791.6
80°	553.7
82.5°	346.3
85°	162.0
87.5°	40.7
90°	0.0

(END OF REPORT)