

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: P198048

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198048
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34696)
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-MS/DIM-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4233.3 lumens
Efficiency: N/A
Efficacy: 94.1 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): 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

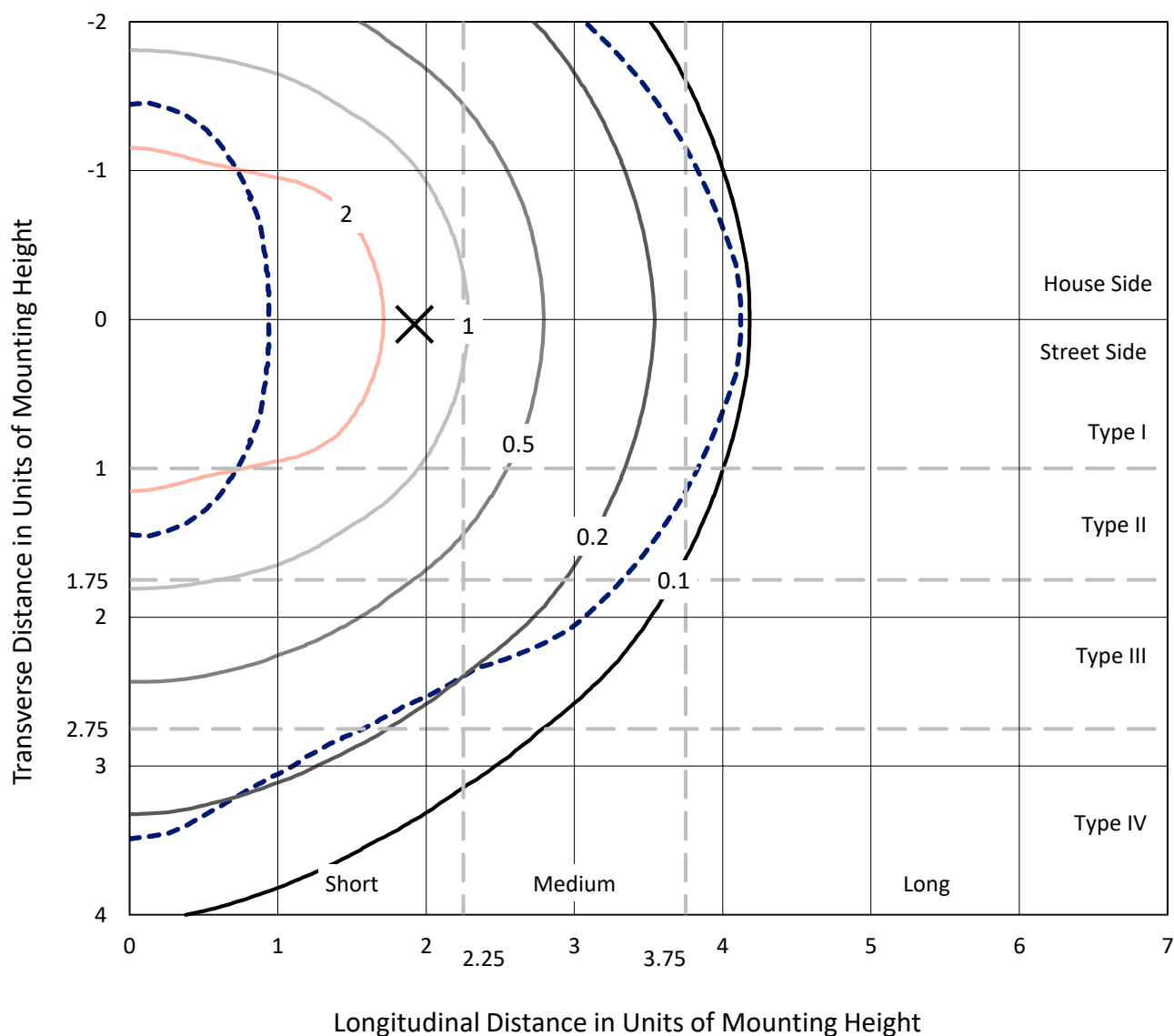


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

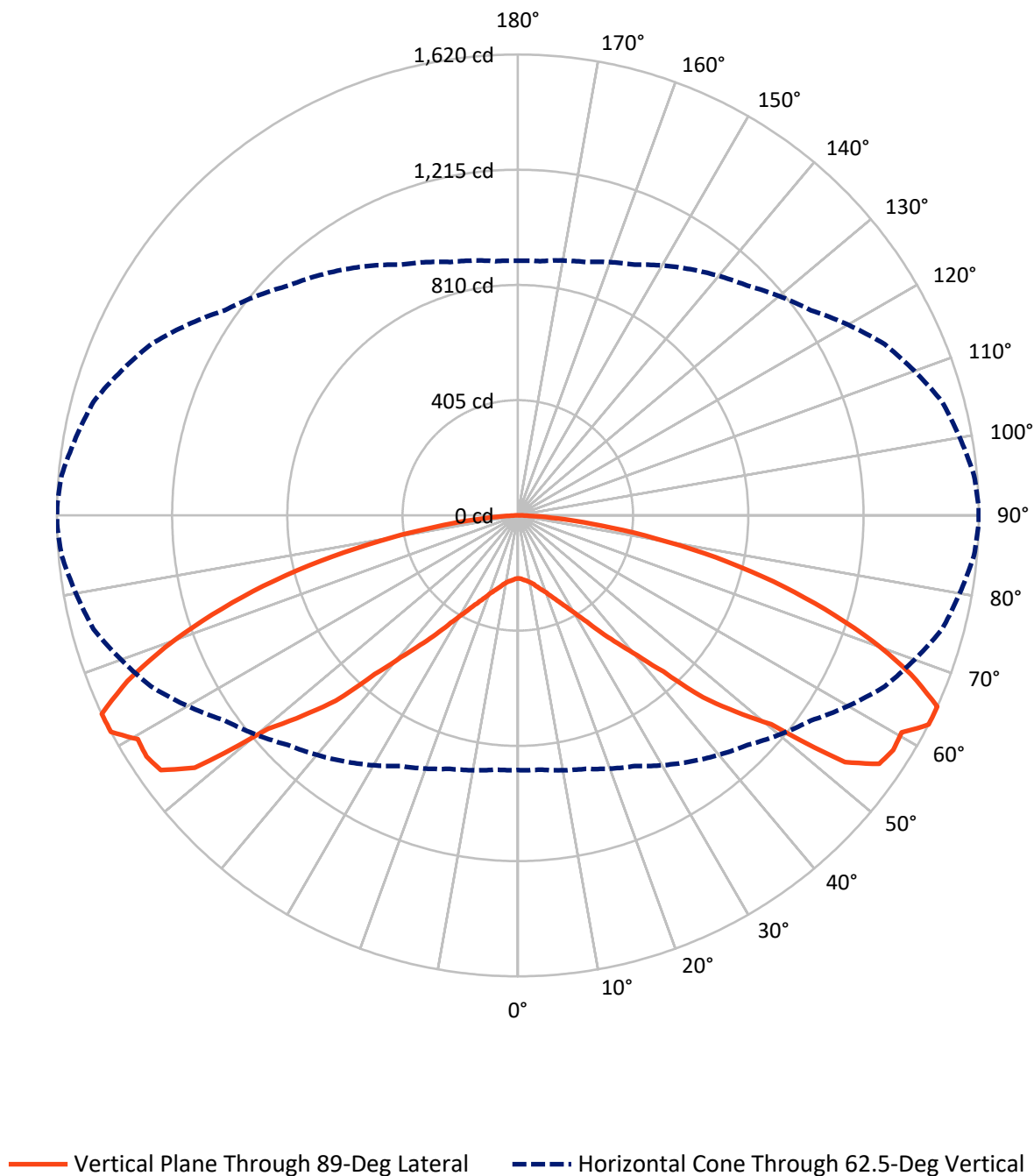


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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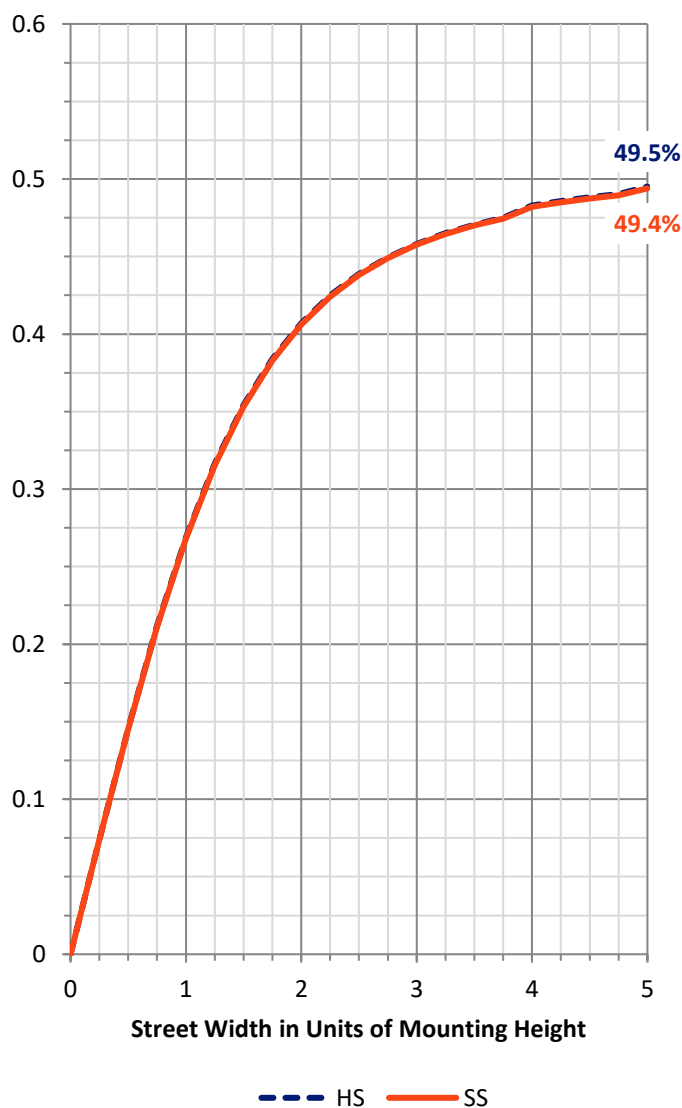
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2116.7	0.0	2116.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2116.7	0.0	2116.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4233.3	0.0	4233.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	0.5
10°-20°	75.3	1.8
20°-30°	160.2	3.8
30°-40°	307.9	7.3
40°-50°	570.1	13.5
50°-60°	963.0	22.7
60°-70°	1163.1	27.5
70°-80°	800.8	18.9
80°-90°	170.8	4.0
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°	4233.3	100.0
0°-180°	4233.3	100.0

Coefficient of Utilization



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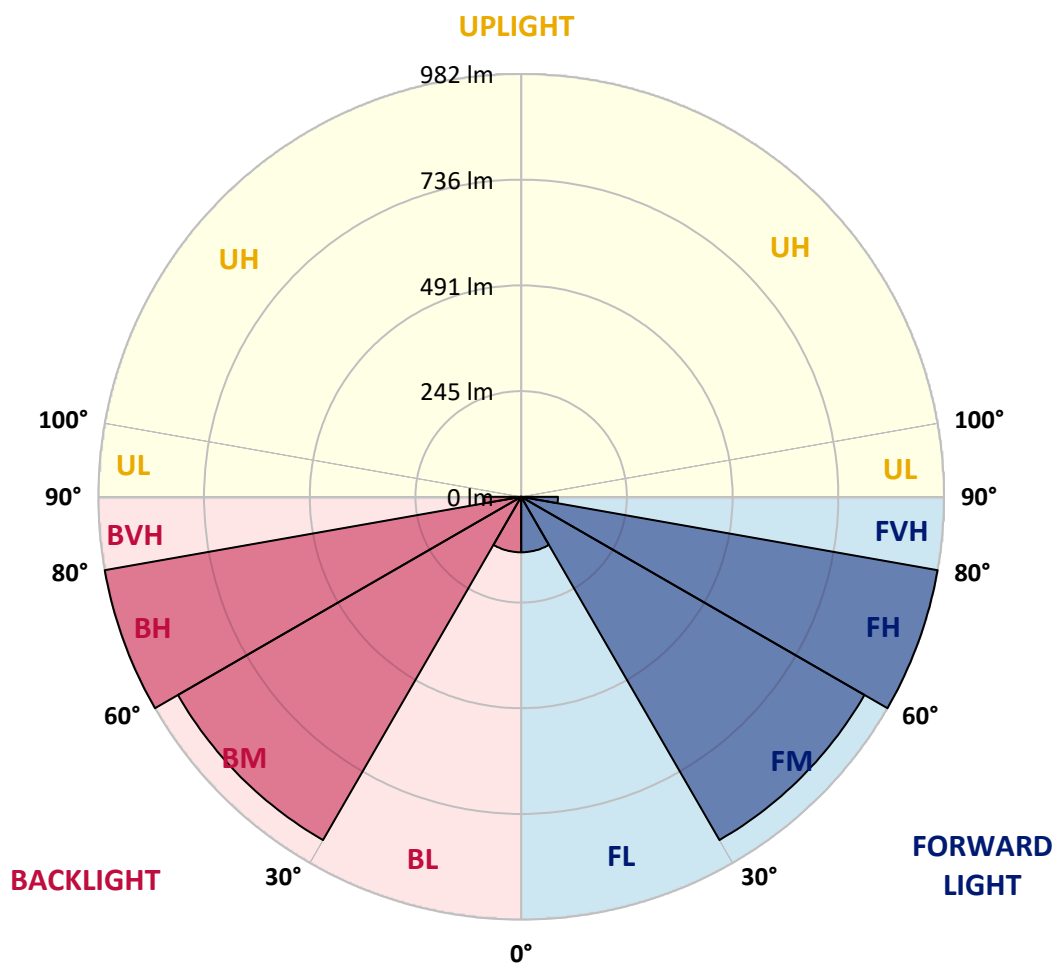
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	128.8	3.0			
FM	(30°-60°)	920.5	21.7			
FH	(60°-80°)	981.9	23.2			G1/1800
FVH	(80°-90°)	85.4	2.0			G1/100
BL	(0°-30°)	128.8	3.0	B1/500		
BM	(30°-60°)	920.5	21.7	B1/1000		
BH	(60°-80°)	981.9	23.2	B2/1000		G2/1000
BVH	(80°-90°)	85.4	2.0			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°	89°
0°	221.3	221.3	221.3	221.3	221.3	221.3	221.3	221.3	221.3	221.3	221.3
2.5°	223.1	223.1	223.1	223.1	224.1	224.1	224.1	224.1	224.1	224.1	223.1
5°	226.8	225.9	226.8	227.8	227.8	228.7	228.7	228.7	228.7	227.8	227.8
7.5°	231.5	231.5	232.4	233.3	234.2	233.3	233.3	232.4	232.4	232.4	232.4
10°	239.8	238.9	239.8	240.7	239.8	239.8	239.8	239.8	239.8	239.8	238.9
12.5°	249.1	249.1	249.1	249.1	248.1	249.1	248.1	249.1	249.1	249.1	248.1
15°	262.0	262.0	262.0	261.1	260.2	260.2	260.2	260.2	260.2	260.2	261.1
17.5°	279.6	278.7	277.8	275.9	275.0	274.1	274.1	274.1	275.0	275.0	275.0
20°	300.0	298.1	296.3	295.4	294.4	292.6	291.7	292.6	293.5	293.5	290.7
22.5°	325.0	322.2	319.4	318.5	314.8	313.9	312.9	312.0	312.0	312.9	312.0
25°	348.1	349.1	346.3	341.6	340.7	338.9	336.1	337.0	336.1	337.0	336.1
27.5°	376.8	378.7	375.9	371.3	368.5	365.7	363.9	363.9	364.8	367.6	364.8
30°	409.2	410.2	407.4	403.7	399.1	395.3	394.4	399.1	399.1	402.8	400.9
32.5°	443.5	442.6	438.9	437.9	432.4	432.4	433.3	437.0	443.5	446.3	445.3
35°	485.2	479.6	478.7	475.0	470.3	470.3	475.9	485.2	497.2	504.6	505.5
37.5°	523.1	521.3	520.3	514.8	512.0	517.6	528.7	545.3	555.5	570.3	570.3
40°	562.0	566.6	562.0	556.5	559.2	567.6	586.1	607.4	630.5	646.3	646.3
42.5°	600.0	608.3	603.7	599.0	606.4	625.9	649.0	685.1	731.4	751.8	750.9
45°	640.7	647.2	642.6	643.5	659.2	683.3	727.7	805.5	870.3	912.0	912.9
47.5°	685.1	686.1	683.3	687.9	711.1	757.4	817.5	912.9	976.8	1026.8	1030.5
50°	729.6	725.0	724.0	735.1	776.8	835.1	921.2	1013.8	1114.8	1151.8	1154.6
52.5°	769.4	763.8	767.6	786.1	840.7	912.9	1020.3	1177.7	1324.0	1433.3	1440.7
55°	807.4	800.9	810.1	839.8	912.0	1009.2	1143.5	1339.7	1463.8	1535.1	1541.6
57.5°	839.8	837.9	852.7	889.8	978.6	1097.2	1244.4	1404.6	1496.2	1549.9	1556.4
60°	872.2	872.2	891.6	939.8	1038.8	1147.2	1263.8	1403.6	1498.1	1543.4	1549.9
62.5°	895.3	897.2	922.2	972.2	1056.4	1141.6	1257.3	1423.1	1544.4	1610.1	1620.3
65°	908.3	912.0	938.8	972.2	1049.0	1136.0	1299.0	1438.8	1538.8	1608.2	1620.3
67.5°	910.1	917.5	930.5	955.5	1020.3	1094.4	1232.3	1346.2	1429.6	1482.3	1490.7
70°	901.8	899.0	898.1	904.6	937.0	990.7	1112.0	1201.8	1284.2	1317.5	1324.0
72.5°	860.1	859.2	826.8	806.4	814.8	851.8	959.2	1028.6	1082.3	1124.9	1129.6
75°	776.8	769.4	715.7	674.0	665.7	699.0	779.6	830.5	878.7	918.5	928.7
77.5°	648.1	629.6	575.0	525.9	510.2	535.2	595.3	630.5	665.7	712.0	712.0
80°	470.3	461.1	413.9	374.1	358.3	373.1	415.7	430.5	449.0	490.7	491.6
82.5°	303.7	293.5	262.0	237.0	223.1	232.4	250.0	256.5	272.2	297.2	296.3
85°	148.1	148.1	132.4	118.5	105.5	107.4	118.5	122.2	135.2	141.7	139.8
87.5°	37.0	40.7	36.1	33.3	29.6	29.6	33.3	33.3	40.7	40.7	38.9
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°	221.3
2.5°	223.1
5°	227.8
7.5°	232.4
10°	238.9
12.5°	249.1
15°	260.2
17.5°	275.9
20°	293.5
22.5°	312.0
25°	336.1
27.5°	367.6
30°	402.8
32.5°	444.4
35°	501.8
37.5°	570.3
40°	647.2
42.5°	751.8
45°	914.8
47.5°	1026.8
50°	1151.8
52.5°	1436.0
55°	1540.7
57.5°	1557.3
60°	1551.8
62.5°	1620.3
65°	1618.4
67.5°	1488.8
70°	1326.8
72.5°	1137.0
75°	932.4
77.5°	707.4
80°	511.1
82.5°	298.1
85°	141.7
87.5°	42.6
90°	0.0

(END OF REPORT)