

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: P198007

Luminaire Tested: **TT-C5-LED-E1-RW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198007
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-C5-LED-E1-RW-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7724.8 lumens
Efficiency: N/A
Efficacy: 100.3 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): 77
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

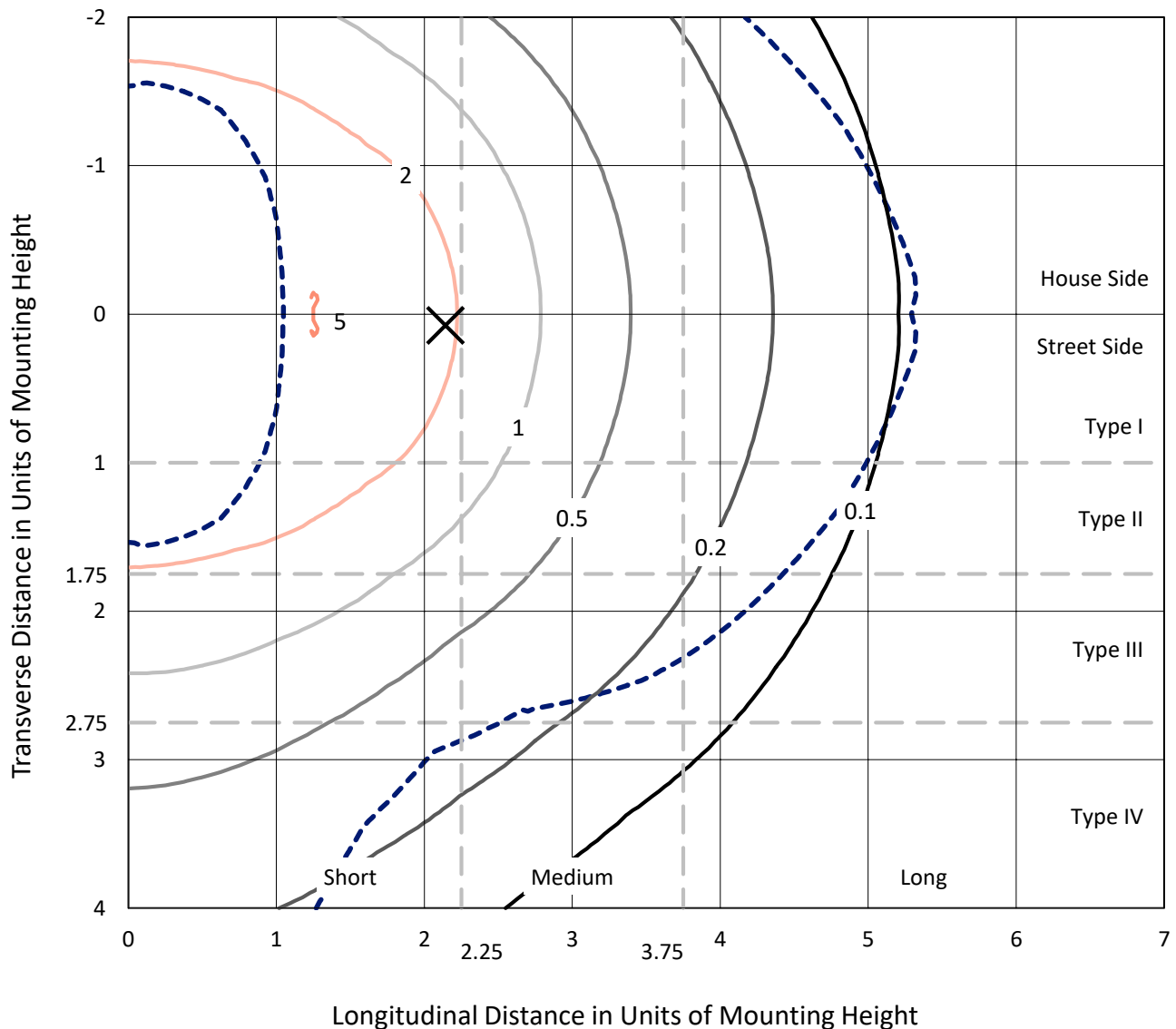


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

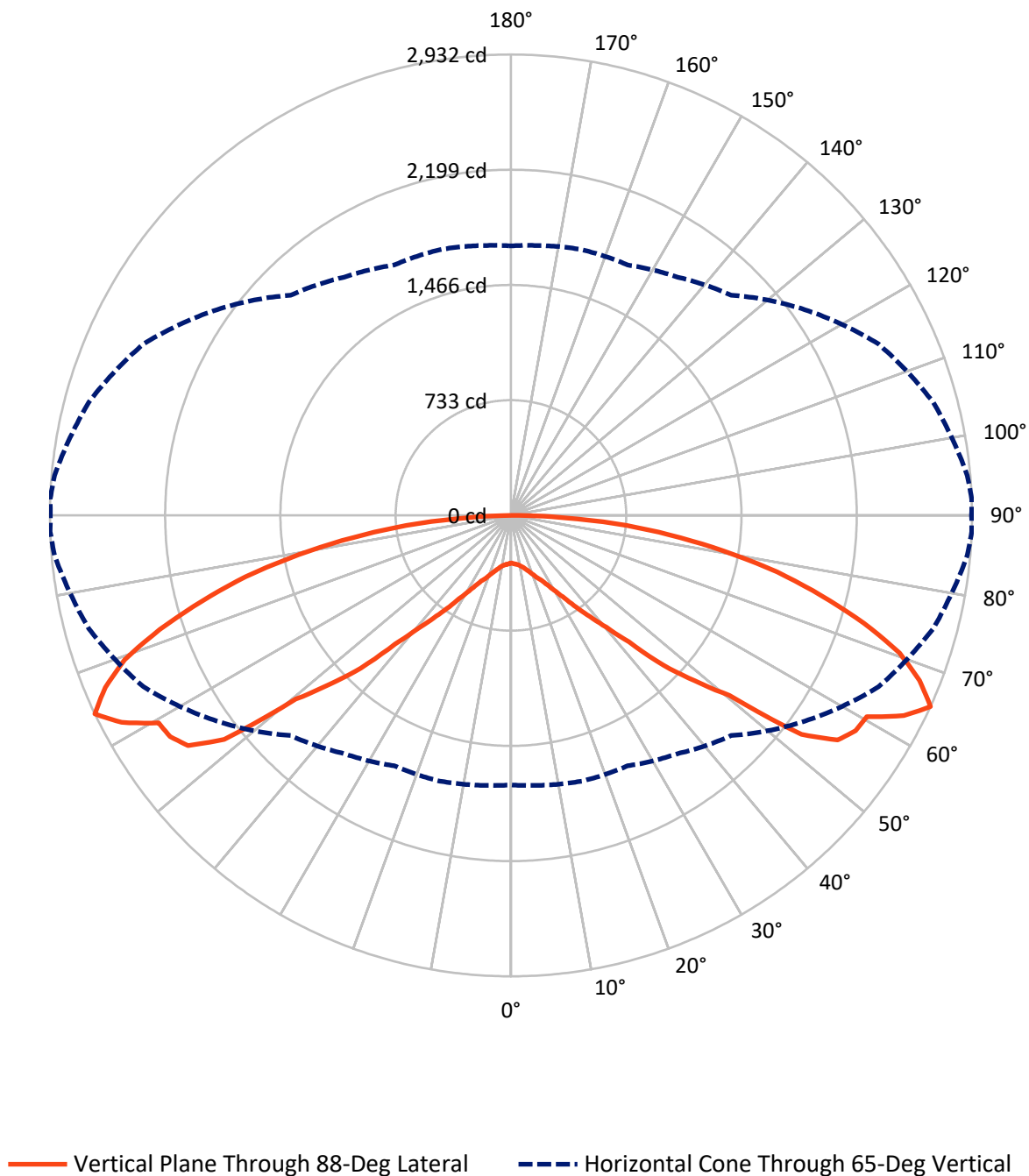


Based on 10 foot mounting height. Maximum calculated value = 5 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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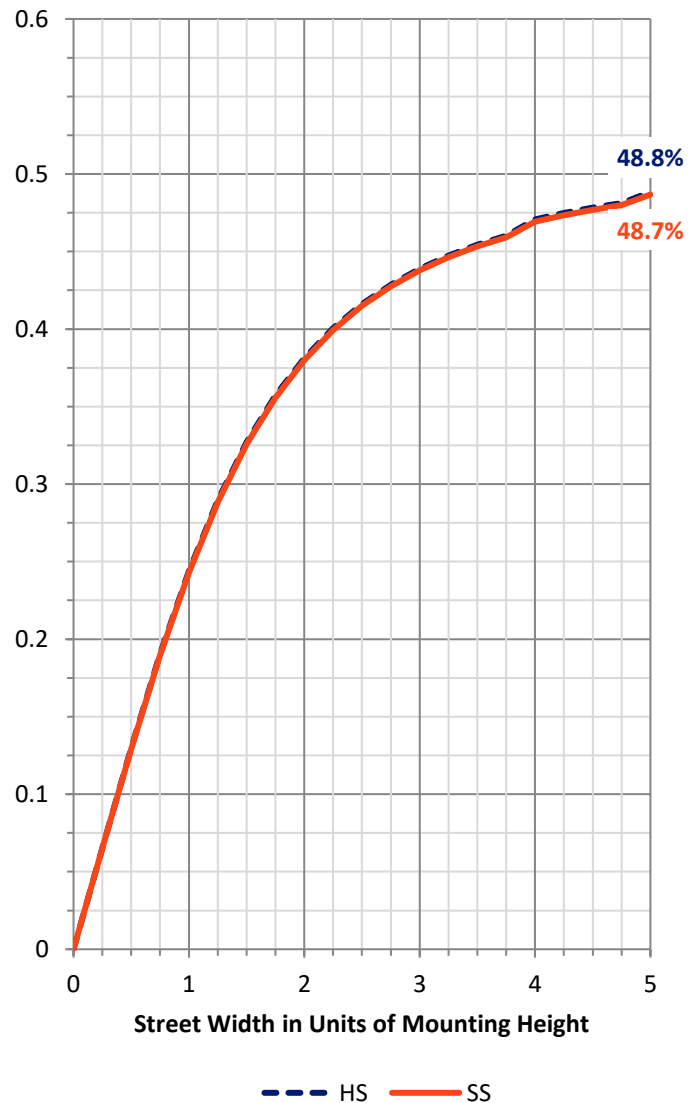
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3862.4	0.0	3862.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3862.4	0.0	3862.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	7724.8	0.0	7724.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	0.4
10°-20°	105.2	1.4
20°-30°	232.3	3.0
30°-40°	462.9	6.0
40°-50°	886.2	11.5
50°-60°	1586.1	20.5
60°-70°	2101.8	27.2
70°-80°	1754.0	22.7
80°-90°	565.9	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°	7724.8	100.0
0°-180°	7724.8	100.0

Coefficient of Utilization



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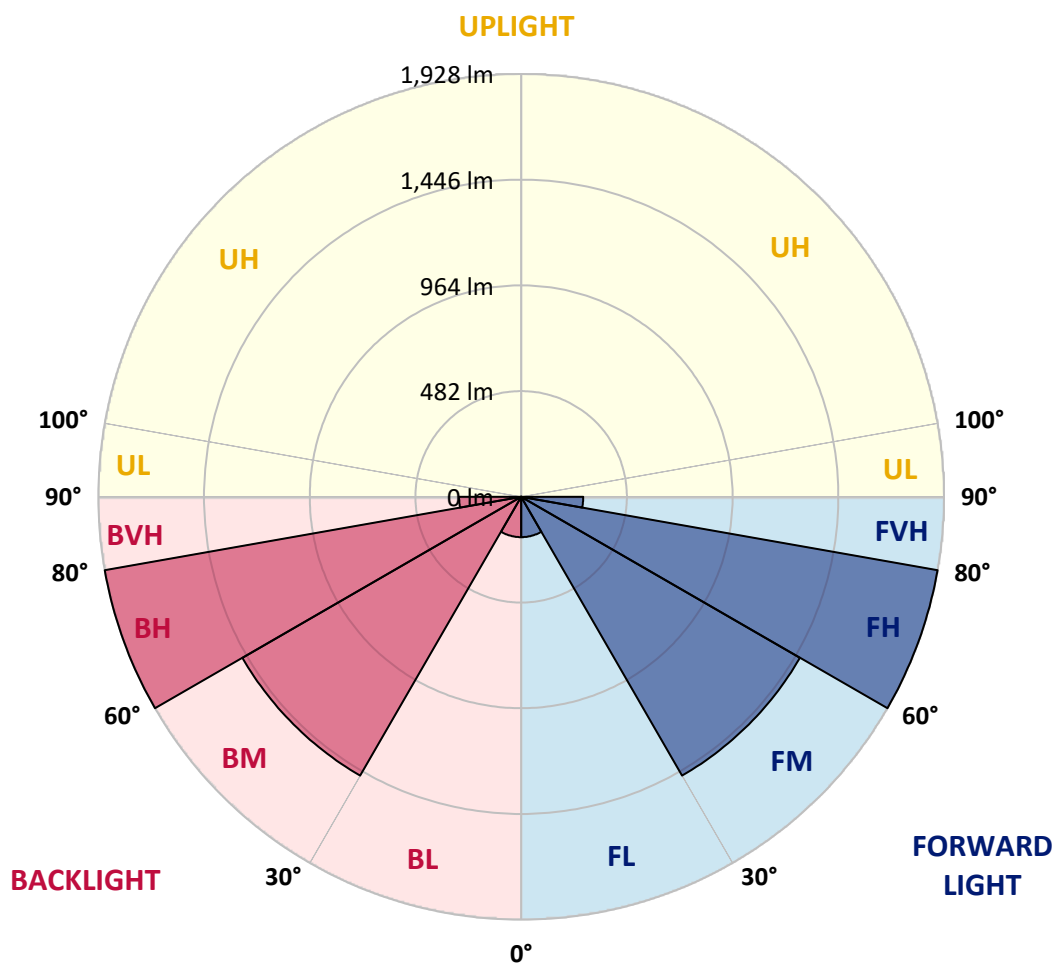
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	183.9	2.4			
FM	(30°-60°)	1467.6	19.0			
FH	(60°-80°)	1927.9	25.0			G2/5000
FVH	(80°-90°)	283.0	3.7			G3/500
BL	(0°-30°)	183.9	2.4	B1/500		
BM	(30°-60°)	1467.6	19.0	B2/2500		
BH	(60°-80°)	1927.9	25.0	B3/2500		G3/2500
BVH	(80°-90°)	283.0	3.7			G3/500
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°	302.5	302.5	302.5	302.5	302.5	302.5	302.5	302.5	302.5	302.5	302.5
2.5°	305.5	305.5	305.5	305.5	307.0	307.0	307.0	307.0	307.0	307.0	307.0
5°	310.1	310.1	311.6	311.6	313.1	313.1	313.1	313.1	311.6	311.6	311.6
7.5°	317.7	319.2	320.7	320.7	320.7	319.2	317.7	317.7	316.2	316.2	316.2
10°	331.4	331.4	332.9	332.9	331.4	329.8	328.3	326.8	326.8	326.8	325.3
12.5°	348.1	348.1	349.6	348.1	345.0	343.5	340.5	339.0	339.0	337.4	337.4
15°	370.9	373.9	373.9	369.4	364.8	360.2	358.7	355.7	355.7	355.7	355.7
17.5°	405.8	404.3	398.2	393.7	390.6	383.0	380.0	378.5	375.4	375.4	375.4
20°	445.4	442.3	434.7	428.6	422.6	413.4	407.4	404.3	402.8	401.3	401.3
22.5°	489.4	484.9	474.2	469.7	457.5	448.4	440.8	434.7	430.2	428.6	431.7
25°	535.0	535.0	525.9	513.8	501.6	487.9	477.3	469.7	463.6	462.1	460.6
27.5°	583.7	586.7	574.6	562.4	548.7	530.5	519.8	509.2	507.7	506.2	504.6
30°	635.4	641.4	629.3	617.1	598.9	580.6	567.0	562.4	557.8	560.9	560.9
32.5°	699.2	702.2	688.6	679.4	655.1	636.9	624.7	621.7	623.2	621.7	626.2
35°	773.7	769.1	758.5	740.2	718.9	702.2	693.1	699.2	715.9	722.0	718.9
37.5°	855.7	839.0	832.9	810.1	790.4	776.7	779.7	794.9	808.6	819.3	816.2
40°	916.5	919.6	902.9	881.6	863.3	860.3	877.0	896.8	922.6	931.7	934.8
42.5°	978.9	997.1	977.3	956.1	946.9	953.0	977.3	1016.9	1074.6	1105.0	1100.5
45°	1050.3	1070.1	1048.8	1032.1	1030.5	1053.3	1106.5	1209.9	1295.0	1355.8	1361.9
47.5°	1124.8	1140.0	1120.2	1109.6	1124.8	1168.9	1260.1	1398.4	1489.6	1561.0	1573.2
50°	1219.0	1212.9	1197.7	1196.2	1229.7	1310.2	1433.3	1573.2	1737.3	1784.5	1799.7
52.5°	1311.7	1288.9	1285.9	1293.5	1352.8	1444.0	1608.1	1883.3	2124.9	2295.2	2313.4
55°	1398.4	1372.5	1378.6	1398.4	1482.0	1620.3	1848.3	2184.2	2395.5	2515.6	2521.6
57.5°	1477.4	1462.2	1475.9	1503.3	1627.9	1805.7	2047.4	2324.0	2483.6	2568.8	2584.0
60°	1558.0	1554.9	1571.7	1621.8	1755.6	1913.7	2115.8	2360.5	2520.1	2585.5	2600.7
62.5°	1634.0	1644.6	1665.9	1714.5	1817.9	1941.0	2137.1	2436.5	2675.2	2778.5	2804.4
65°	1714.5	1723.7	1749.5	1757.1	1849.8	1980.5	2281.5	2579.4	2780.0	2913.8	2932.0
67.5°	1787.5	1799.7	1790.5	1784.5	1865.0	1980.5	2252.6	2514.0	2681.2	2783.1	2802.8
70°	1857.4	1843.7	1807.3	1760.1	1782.9	1862.0	2111.2	2337.7	2506.4	2602.2	2622.0
72.5°	1875.7	1857.4	1760.1	1652.2	1618.8	1678.1	1907.6	2108.2	2246.5	2336.2	2348.4
75°	1828.5	1790.5	1626.4	1477.4	1413.6	1472.9	1664.4	1836.1	1933.4	2030.7	2038.3
77.5°	1640.1	1615.7	1433.3	1252.5	1181.0	1225.1	1384.7	1506.3	1618.8	1713.0	1731.3
80°	1346.7	1325.4	1164.3	1016.9	921.1	951.5	1068.5	1165.8	1273.7	1348.2	1371.0
82.5°	991.0	988.0	872.5	734.1	667.3	664.2	752.4	848.1	930.2	1001.7	1016.9
85°	623.2	623.2	544.2	460.6	390.6	392.2	445.4	515.3	618.6	664.2	668.8
87.5°	211.3	200.6	187.0	152.0	121.6	109.4	117.0	133.8	203.7	252.3	261.4
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°	302.5
2.5°	307.0
5°	311.6
7.5°	316.2
10°	325.3
12.5°	339.0
15°	354.2
17.5°	375.4
20°	401.3
22.5°	430.2
25°	460.6
27.5°	506.2
30°	559.4
32.5°	624.7
35°	720.5
37.5°	819.3
40°	942.4
42.5°	1112.6
45°	1346.7
47.5°	1573.2
50°	1782.9
52.5°	2275.4
55°	2527.7
57.5°	2582.4
60°	2596.1
62.5°	2790.7
65°	2929.0
67.5°	2801.3
70°	2617.4
72.5°	2339.2
75°	2050.5
77.5°	1731.3
80°	1352.8
82.5°	1016.9
85°	658.2
87.5°	253.8
90°	0.0

(END OF REPORT)