

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: P198008

Luminaire Tested: **TT-C5-LED-E1-RW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198008
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-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7666.5 lumens
Efficiency: N/A
Efficacy: 99.6 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): 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



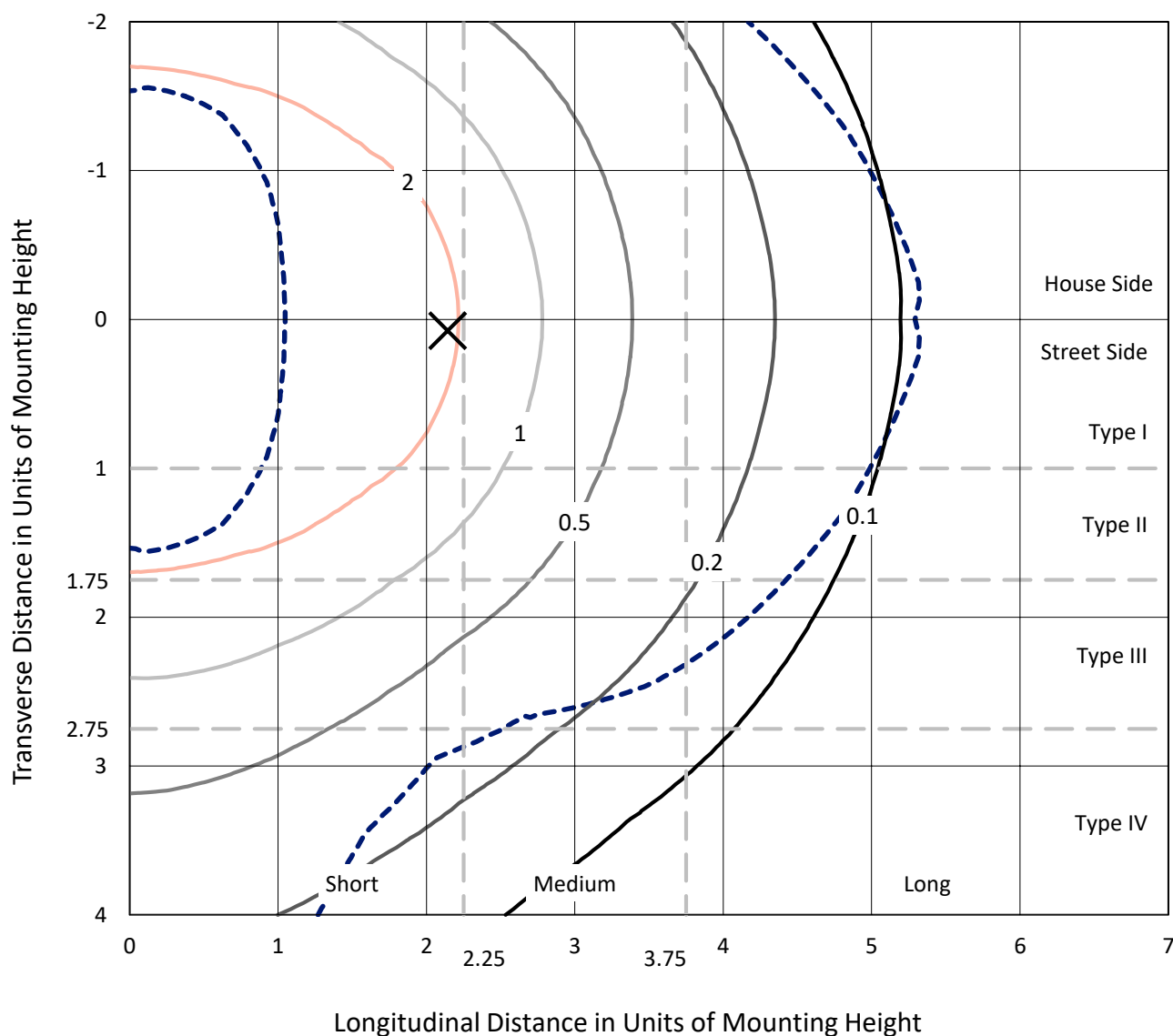
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

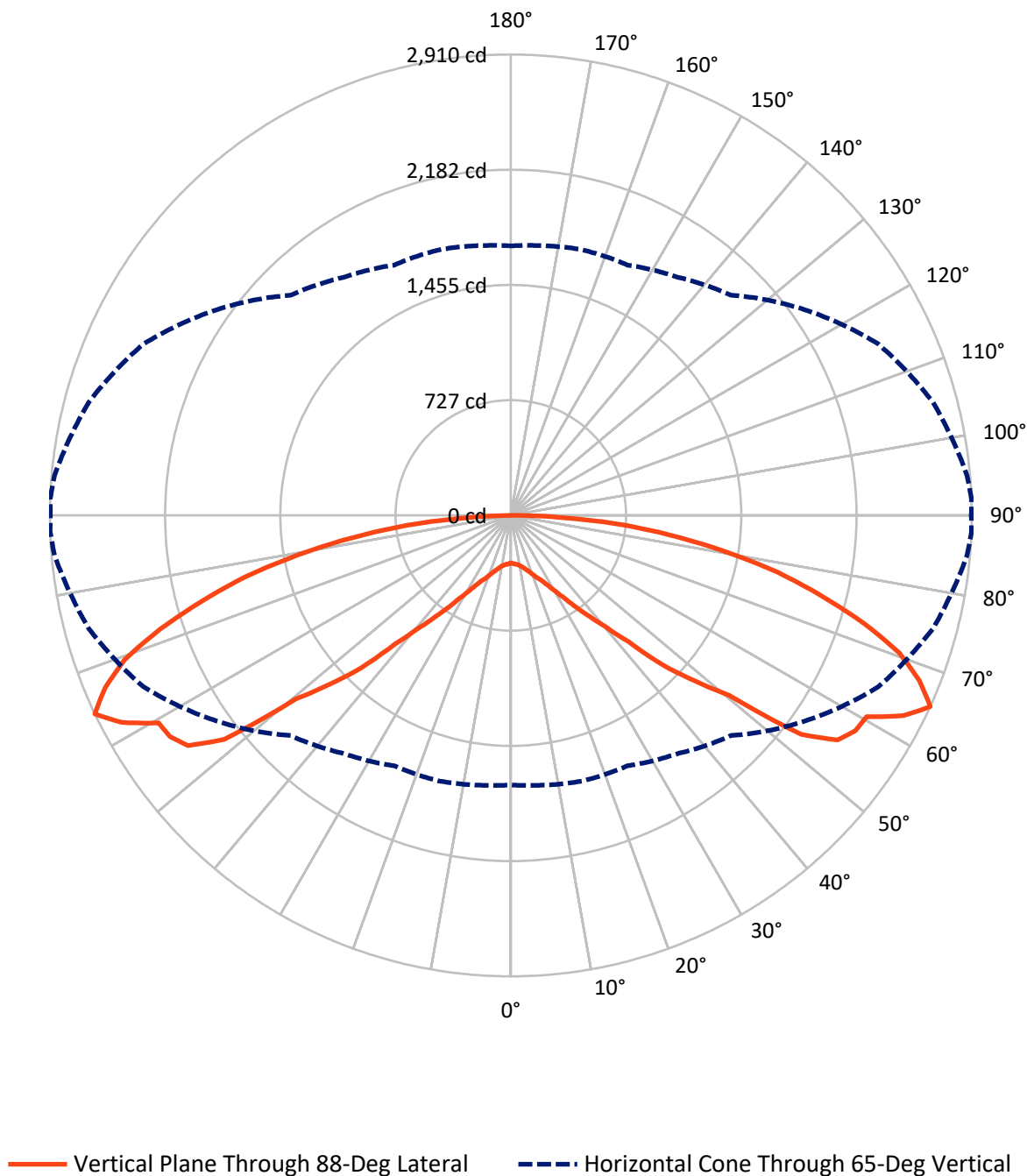


Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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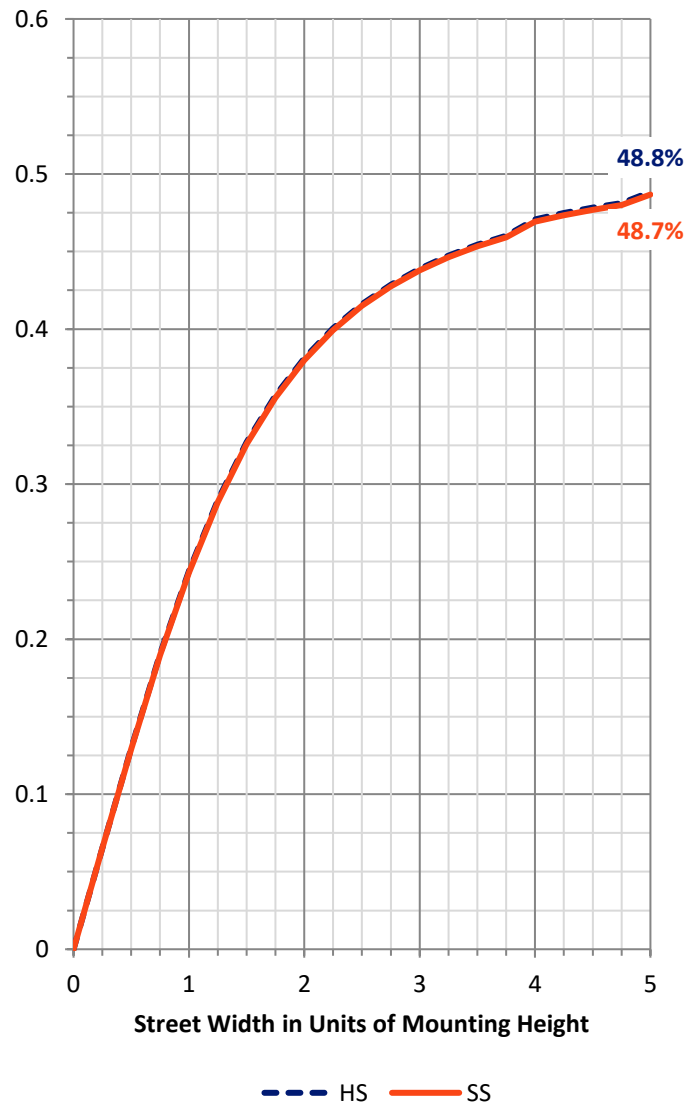
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3833.2	0.0	3833.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3833.2	0.0	3833.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7666.5	0.0	7666.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	0.4
10°-20°	104.4	1.4
20°-30°	230.6	3.0
30°-40°	459.4	6.0
40°-50°	879.5	11.5
50°-60°	1574.2	20.5
60°-70°	2086.0	27.2
70°-80°	1740.8	22.7
80°-90°	561.6	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°	7666.5	100.0
0°-180°	7666.5	100.0

Coefficient of Utilization



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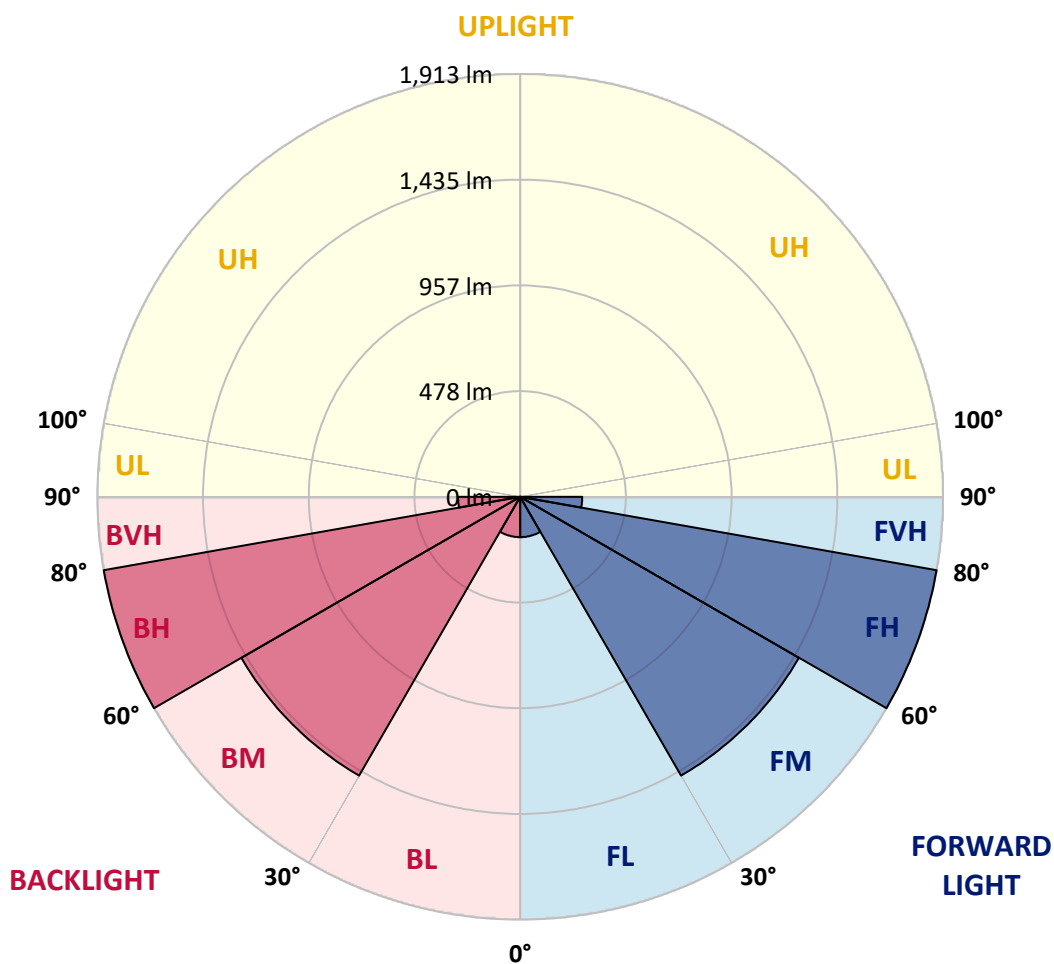
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	182.5	2.4			
FM	(30°-60°)	1456.5	19.0			
FH	(60°-80°)	1913.4	25.0			G2/5000
FVH	(80°-90°)	280.8	3.7			G3/500
BL	(0°-30°)	182.5	2.4	B1/500		
BM	(30°-60°)	1456.5	19.0	B2/2500		
BH	(60°-80°)	1913.4	25.0	B3/2500		G3/2500
BVH	(80°-90°)	280.8	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°	300.2	300.2	300.2	300.2	300.2	300.2	300.2	300.2	300.2	300.2	300.2
2.5°	303.2	303.2	303.2	303.2	304.7	304.7	304.7	304.7	304.7	304.7	304.7
5°	307.7	307.7	309.2	309.2	310.8	310.8	310.8	310.8	309.2	309.2	309.2
7.5°	315.3	316.8	318.3	318.3	318.3	316.8	315.3	315.3	313.8	313.8	313.8
10°	328.9	328.9	330.4	330.4	328.9	327.3	325.8	324.3	324.3	324.3	322.8
12.5°	345.4	345.4	347.0	345.4	342.4	340.9	337.9	336.4	336.4	334.9	334.9
15°	368.1	371.1	371.1	366.6	362.0	357.5	356.0	353.0	353.0	353.0	353.0
17.5°	402.8	401.3	395.2	390.7	387.7	380.1	377.1	375.6	372.6	372.6	372.6
20°	442.0	439.0	431.4	425.4	419.4	410.3	404.3	401.3	399.8	398.2	398.2
22.5°	485.7	481.2	470.7	466.1	454.1	445.0	437.5	431.4	426.9	425.4	428.4
25°	531.0	531.0	521.9	509.9	497.8	484.2	473.7	466.1	460.1	458.6	457.1
27.5°	579.3	582.3	570.2	558.1	544.6	526.5	515.9	505.3	503.8	502.3	500.8
30°	630.6	636.6	624.5	612.5	594.3	576.2	562.7	558.1	553.6	556.6	556.6
32.5°	693.9	696.9	683.4	674.3	650.2	632.1	620.0	617.0	618.5	617.0	621.5
35°	767.8	763.3	752.7	734.6	713.5	696.9	687.9	693.9	710.5	716.5	713.5
37.5°	849.3	832.7	826.7	804.0	784.4	770.8	773.9	788.9	802.5	813.1	810.1
40°	909.6	912.6	896.0	874.9	856.8	853.8	870.4	890.0	915.7	924.7	927.7
42.5°	971.5	989.6	970.0	948.8	939.8	945.8	970.0	1009.2	1066.5	1096.7	1092.2
45°	1042.4	1062.0	1040.9	1024.3	1022.8	1045.4	1098.2	1200.8	1285.2	1345.6	1351.6
47.5°	1116.3	1131.4	1111.8	1101.2	1116.3	1160.0	1250.5	1387.8	1478.3	1549.2	1561.3
50°	1209.8	1203.8	1188.7	1187.2	1220.4	1300.3	1422.5	1561.3	1724.2	1771.0	1786.1
52.5°	1301.8	1279.2	1276.2	1283.7	1342.6	1433.1	1596.0	1869.0	2108.9	2277.8	2295.9
55°	1387.8	1362.2	1368.2	1387.8	1470.8	1608.1	1834.3	2167.7	2377.4	2496.6	2502.6
57.5°	1466.3	1451.2	1464.8	1491.9	1615.6	1792.1	2032.0	2306.5	2464.9	2549.4	2564.5
60°	1546.2	1543.2	1559.8	1609.6	1742.3	1899.2	2099.8	2342.7	2501.1	2566.0	2581.0
62.5°	1621.6	1632.2	1653.3	1701.6	1804.2	1926.4	2121.0	2418.1	2655.0	2757.5	2783.2
65°	1701.6	1710.6	1736.3	1743.8	1835.8	1965.6	2264.3	2559.9	2759.0	2891.8	2909.9
67.5°	1774.0	1786.1	1777.0	1771.0	1850.9	1965.6	2235.6	2495.1	2661.0	2762.1	2781.7
70°	1843.4	1829.8	1793.6	1746.8	1769.5	1847.9	2095.3	2320.1	2487.5	2582.6	2602.2
72.5°	1861.5	1843.4	1746.8	1639.7	1606.6	1665.4	1893.2	2092.3	2229.6	2318.6	2330.6
75°	1814.7	1777.0	1614.1	1466.3	1402.9	1461.7	1651.8	1822.3	1918.8	2015.4	2022.9
77.5°	1627.7	1603.5	1422.5	1243.0	1172.1	1215.9	1374.2	1494.9	1606.6	1700.1	1718.2
80°	1336.5	1315.4	1155.5	1009.2	914.2	944.3	1060.5	1157.0	1264.1	1338.0	1360.7
82.5°	983.5	980.5	865.9	728.6	662.2	659.2	746.7	841.7	923.2	994.1	1009.2
85°	618.5	618.5	540.0	457.1	387.7	389.2	442.0	511.4	614.0	659.2	663.7
87.5°	209.7	199.1	185.5	150.9	120.7	108.6	116.2	132.7	202.1	250.4	259.5
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°	300.2
2.5°	304.7
5°	309.2
7.5°	313.8
10°	322.8
12.5°	336.4
15°	351.5
17.5°	372.6
20°	398.2
22.5°	426.9
25°	457.1
27.5°	502.3
30°	555.1
32.5°	620.0
35°	715.0
37.5°	813.1
40°	935.3
42.5°	1104.2
45°	1336.5
47.5°	1561.3
50°	1769.5
52.5°	2258.2
55°	2508.6
57.5°	2562.9
60°	2576.5
62.5°	2769.6
65°	2906.9
67.5°	2780.2
70°	2597.6
72.5°	2321.6
75°	2035.0
77.5°	1718.2
80°	1342.6
82.5°	1009.2
85°	653.2
87.5°	251.9
90°	0.0

(END OF REPORT)