

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: P400682

Luminaire Tested: **TT-D6-827-U-RW**

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P197998)
Test Lab: INNOVATION CENTER
Issue Date: 6/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D6-827-U-RW
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
2700K, 80 CRI LEDS AND RECTANGULAR DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9207 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 105.2
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: 28.75 FT

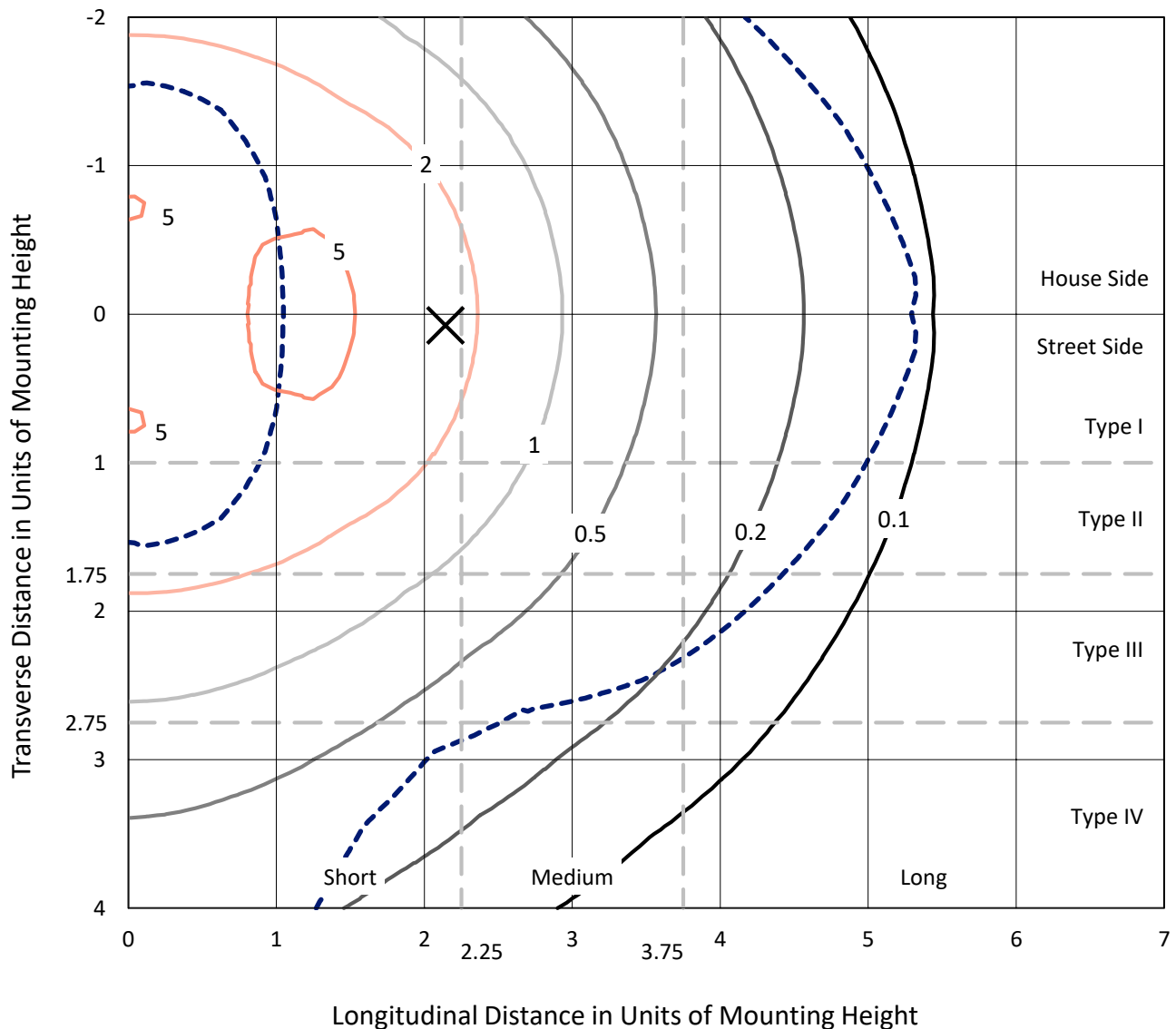


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

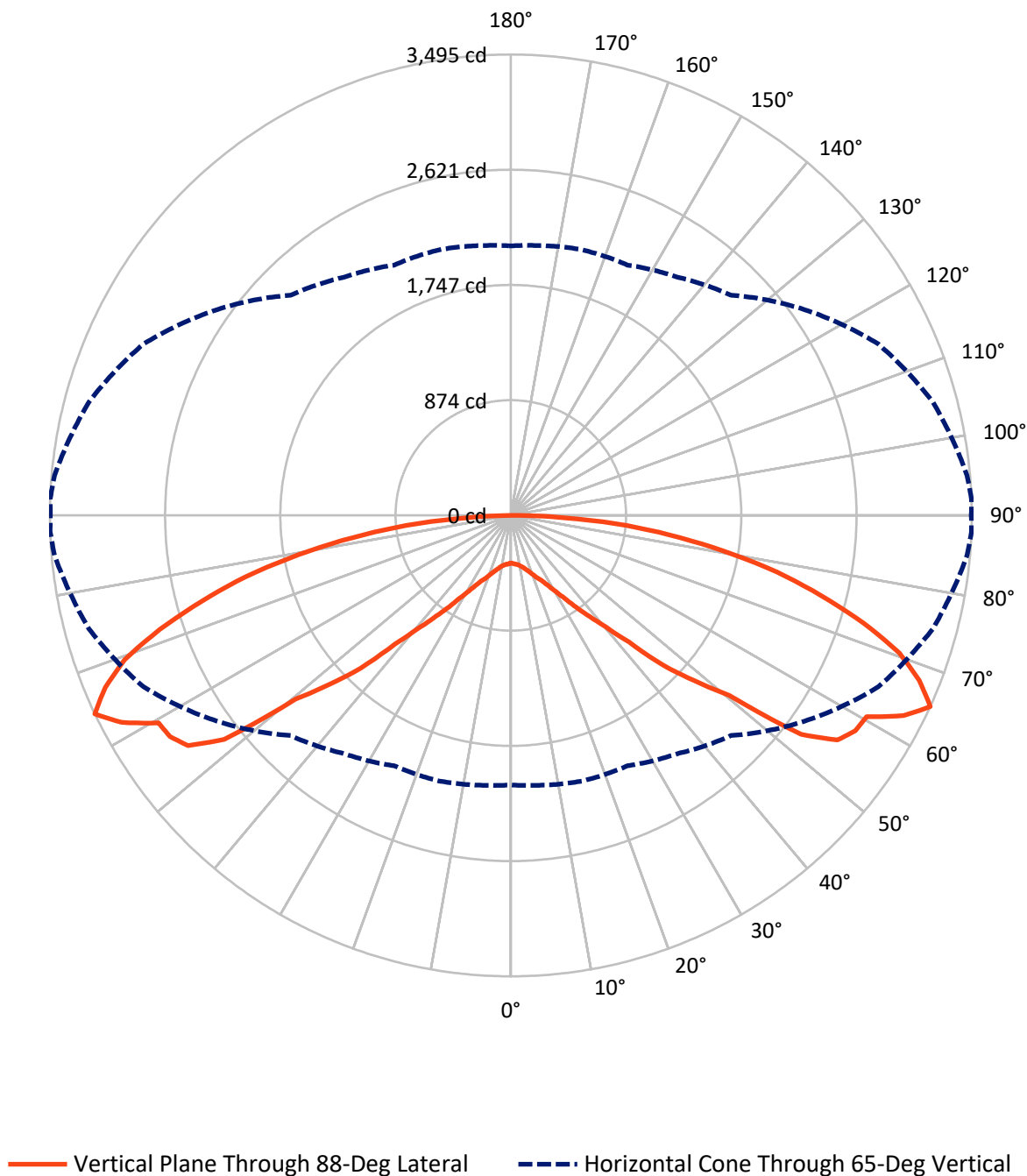


Based on 10 foot mounting height. Maximum calculated value = 6 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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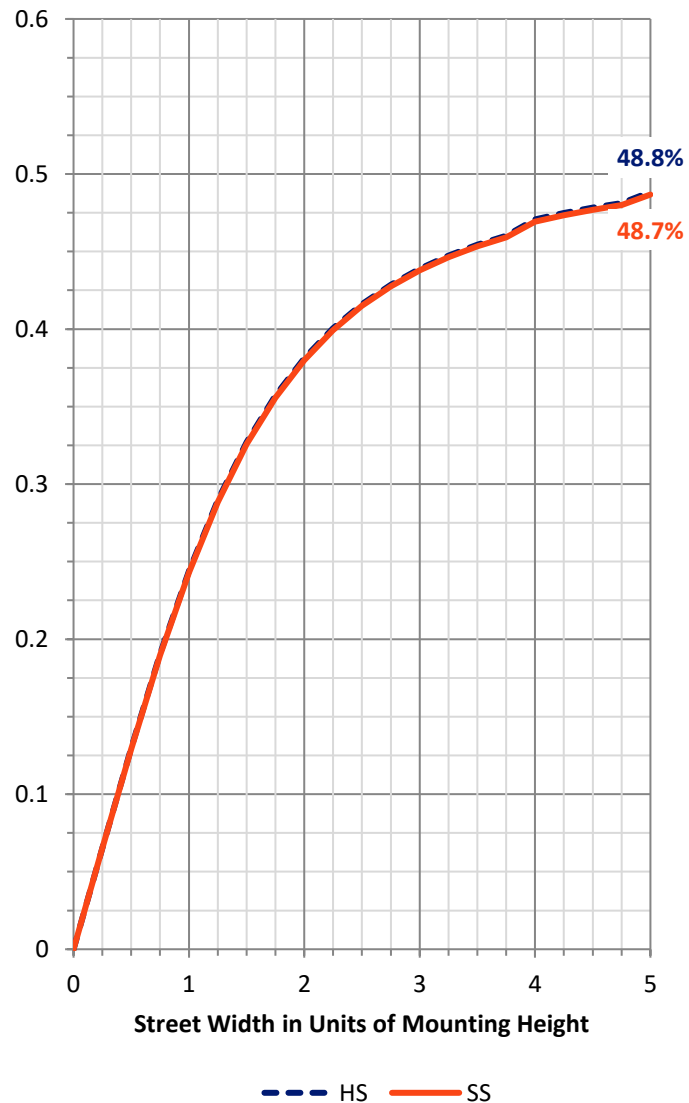
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4603.5	0.0	4603.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4603.5	0.0	4603.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9207.0	0.0	9207.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	0.4
10°-20°	125.4	1.4
20°-30°	276.9	3.0
30°-40°	551.8	6.0
40°-50°	1056.2	11.5
50°-60°	1890.5	20.5
60°-70°	2505.1	27.2
70°-80°	2090.6	22.7
80°-90°	674.5	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°	9207.0	100.0
0°-180°	9207.0	100.0

Coefficient of Utilization



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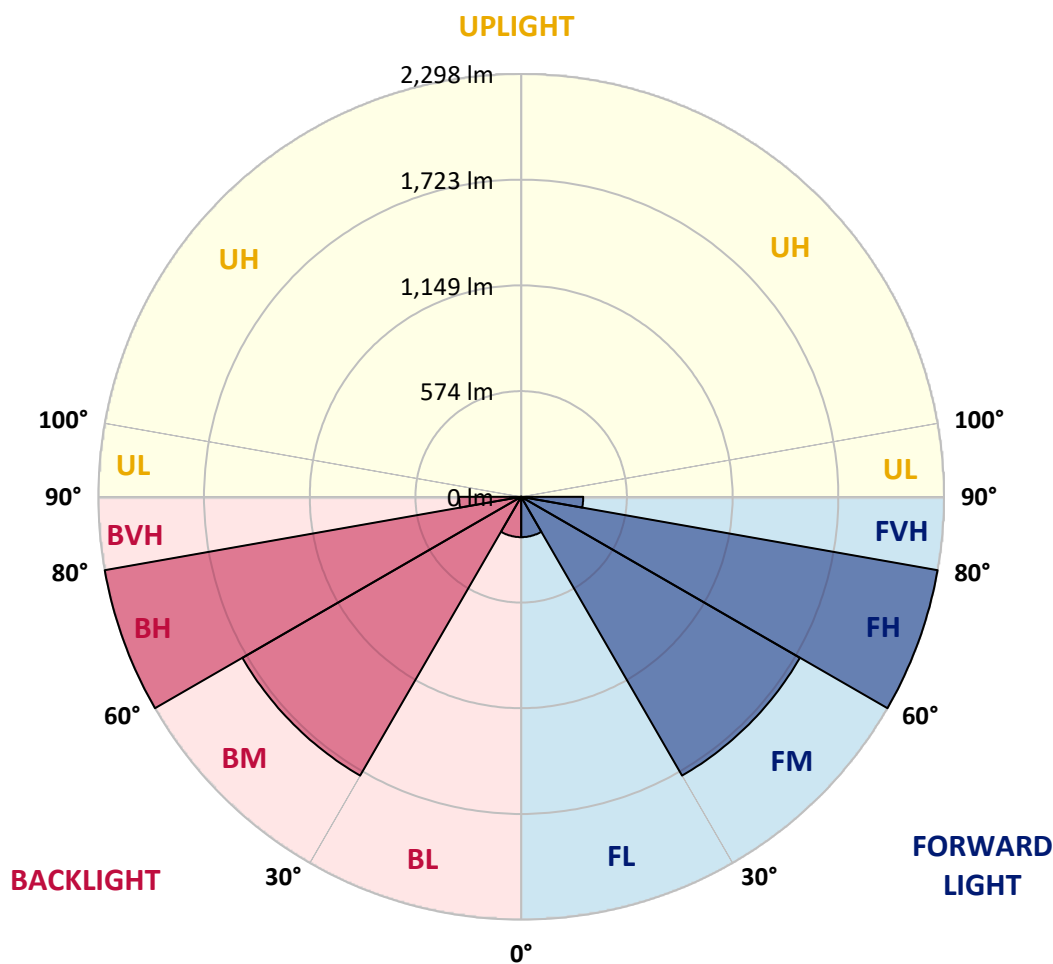
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	219.2	2.4			
FM	(30°-60°)	1749.2	19.0			
FH	(60°-80°)	2297.8	25.0			G2/5000
FVH	(80°-90°)	337.3	3.7			G3/500
BL	(0°-30°)	219.2	2.4	B1/500		
BM	(30°-60°)	1749.2	19.0	B2/2500		
BH	(60°-80°)	2297.8	25.0	B3/2500		G2/5000
BVH	(80°-90°)	337.3	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 V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5
2.5°	364.1	364.1	364.1	364.1	365.9	365.9	365.9	365.9	365.9	365.9	365.9
5°	369.6	369.6	371.4	371.4	373.2	373.2	373.2	373.2	371.4	371.4	371.4
7.5°	378.6	380.4	382.3	382.3	382.3	380.4	378.6	378.6	376.8	376.8	376.8
10°	394.9	394.9	396.7	396.7	394.9	393.1	391.3	389.5	389.5	389.5	387.7
12.5°	414.9	414.9	416.7	414.9	411.2	409.4	405.8	404.0	404.0	402.2	402.2
15°	442.0	445.7	445.7	440.2	434.8	429.4	427.5	423.9	423.9	423.9	423.9
17.5°	483.7	481.9	474.6	469.2	465.6	456.5	452.9	451.1	447.5	447.5	447.5
20°	530.8	527.2	518.1	510.9	503.6	492.8	485.5	481.9	480.1	478.3	478.3
22.5°	583.3	577.9	565.2	559.8	545.3	534.4	525.4	518.1	512.7	510.9	514.5
25°	637.7	637.7	626.8	612.3	597.8	581.5	568.8	559.8	552.5	550.7	548.9
27.5°	695.7	699.3	684.8	670.3	654.0	632.3	619.6	606.9	605.1	603.3	601.5
30°	757.3	764.5	750.0	735.5	713.8	692.0	675.7	670.3	664.9	668.5	668.5
32.5°	833.3	837.0	820.7	809.8	780.8	759.1	744.6	741.0	742.8	741.0	746.4
35°	922.1	916.7	904.0	882.3	856.9	837.0	826.1	833.3	853.3	860.5	856.9
37.5°	1019.9	1000.0	992.8	965.6	942.0	925.7	929.4	947.5	963.8	976.5	972.8
40°	1092.4	1096.0	1076.1	1050.7	1029.0	1025.4	1045.3	1068.9	1099.7	1110.5	1114.1
42.5°	1166.7	1188.4	1164.9	1139.5	1128.6	1135.9	1164.9	1212.0	1280.8	1317.0	1311.6
45°	1251.8	1275.4	1250.0	1230.1	1228.3	1255.5	1318.9	1442.1	1543.5	1616.0	1623.2
47.5°	1340.6	1358.7	1335.2	1322.5	1340.6	1393.1	1501.8	1666.7	1775.4	1860.5	1875.0
50°	1452.9	1445.7	1427.6	1425.7	1465.6	1561.6	1708.4	1875.0	2070.7	2126.8	2145.0
52.5°	1563.4	1536.3	1532.6	1541.7	1612.3	1721.0	1916.7	2244.6	2532.6	2735.6	2757.3
55°	1666.7	1635.9	1643.1	1666.7	1766.3	1931.2	2202.9	2603.3	2855.1	2998.2	3005.5
57.5°	1760.9	1742.8	1759.1	1791.7	1940.2	2152.2	2440.3	2770.0	2960.2	3061.6	3079.8
60°	1856.9	1853.3	1873.2	1933.0	2092.4	2280.8	2521.8	2813.5	3003.7	3081.6	3099.7
62.5°	1947.5	1960.2	1985.5	2043.5	2166.7	2313.4	2547.1	2904.0	3188.5	3311.6	3342.4
65°	2043.5	2054.4	2085.2	2094.2	2204.7	2360.5	2719.2	3074.3	3313.5	3472.9	3494.6
67.5°	2130.5	2145.0	2134.1	2126.8	2222.9	2360.5	2684.8	2996.4	3195.7	3317.1	3340.6
70°	2213.8	2197.5	2154.0	2097.9	2125.0	2219.2	2516.3	2786.3	2987.4	3101.5	3125.0
72.5°	2235.5	2213.8	2097.9	1969.2	1929.4	2000.0	2273.6	2512.7	2677.6	2784.5	2799.0
75°	2179.4	2134.1	1938.4	1760.9	1684.8	1755.5	1983.7	2188.4	2304.4	2420.3	2429.4
77.5°	1954.7	1925.8	1708.4	1492.8	1407.6	1460.2	1650.4	1795.3	1929.4	2041.7	2063.4
80°	1605.1	1579.7	1387.7	1212.0	1097.8	1134.1	1273.6	1389.5	1518.1	1606.9	1634.1
82.5°	1181.2	1177.6	1039.9	875.0	795.3	791.7	896.8	1010.9	1108.7	1193.9	1212.0
85°	742.8	742.8	648.6	548.9	465.6	467.4	530.8	614.1	737.3	791.7	797.1
87.5°	251.8	239.1	222.8	181.2	144.9	130.4	139.5	159.4	242.8	300.7	311.6
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°	360.5
2.5°	365.9
5°	371.4
7.5°	376.8
10°	387.7
12.5°	404.0
15°	422.1
17.5°	447.5
20°	478.3
22.5°	512.7
25°	548.9
27.5°	603.3
30°	666.7
32.5°	744.6
35°	858.7
37.5°	976.5
40°	1123.2
42.5°	1326.1
45°	1605.1
47.5°	1875.0
50°	2125.0
52.5°	2712.0
55°	3012.7
57.5°	3077.9
60°	3094.3
62.5°	3326.1
65°	3491.0
67.5°	3338.8
70°	3119.6
72.5°	2788.1
75°	2443.9
77.5°	2063.4
80°	1612.3
82.5°	1212.0
85°	784.4
87.5°	302.5
90°	0.0

(END OF REPORT)