

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: P198011

Luminaire Tested: **TT-C6-LED-E1-RW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198011
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-C6-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: 9875.1 lumens
Efficiency: N/A
Efficacy: 91.4 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): 108
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



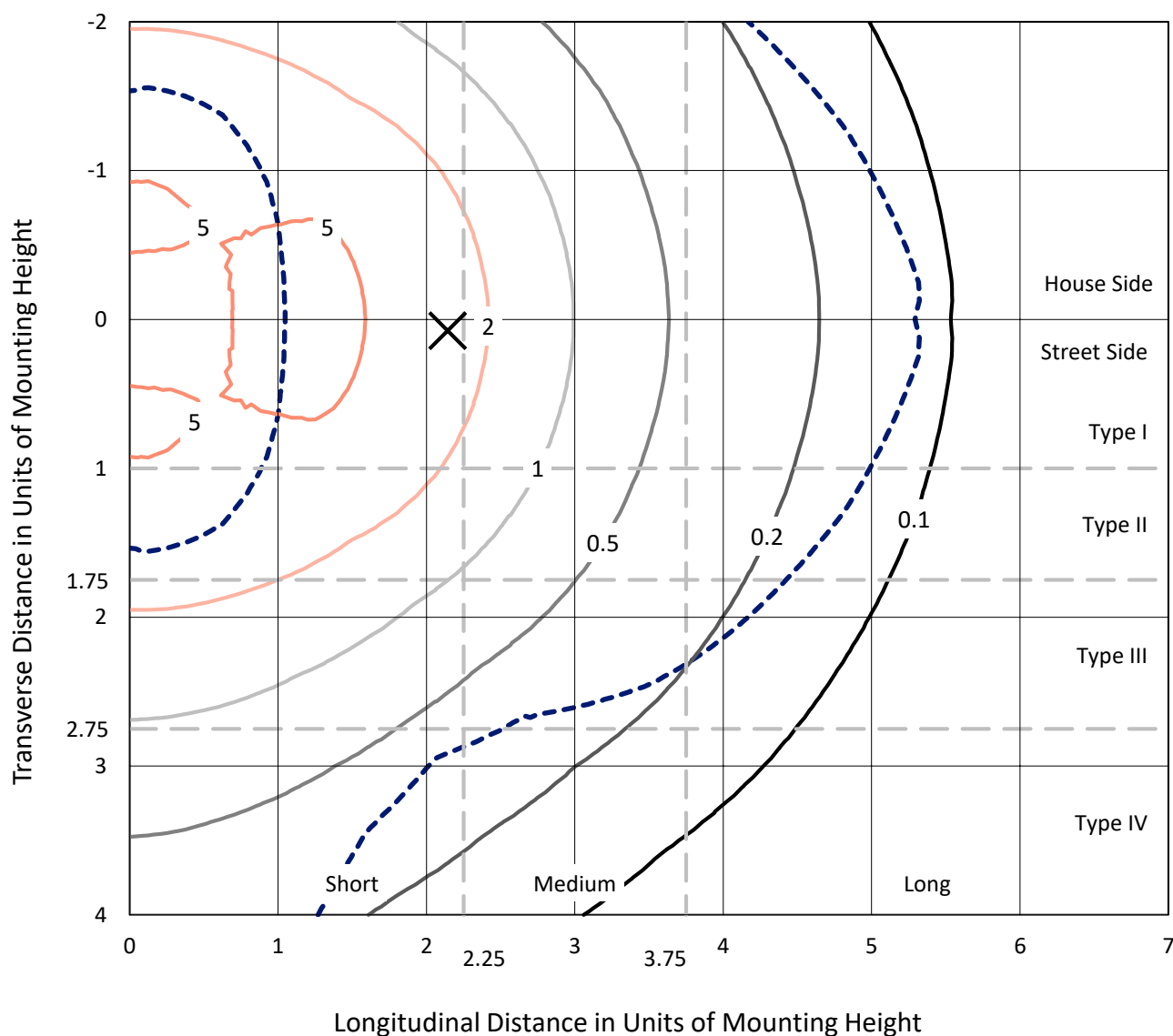
REPORT NUMBER: P198011

CATALOG NUMBER: TT-C6-LED-E1-RW-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

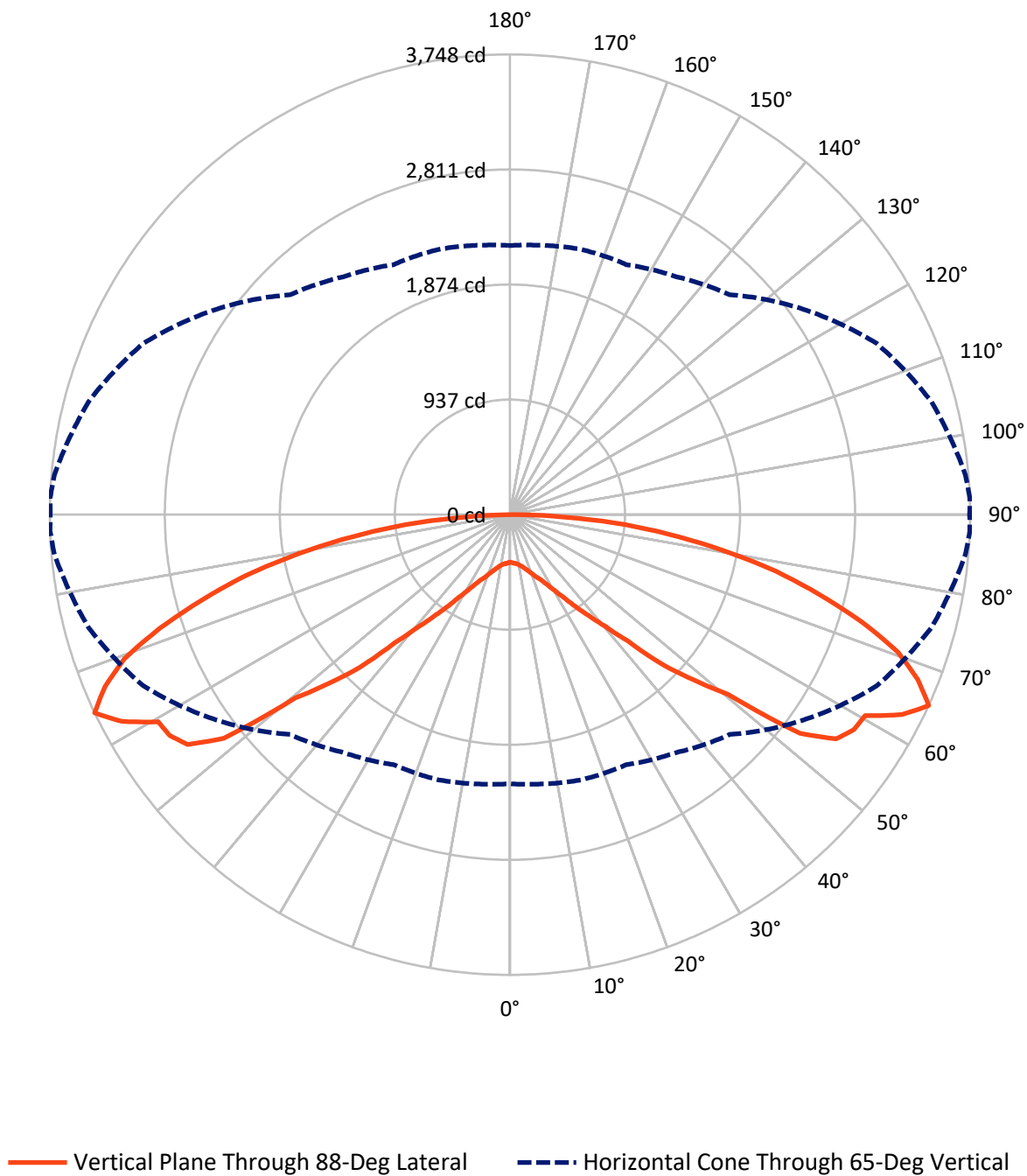


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P198011

CATALOG NUMBER: TT-C6-LED-E1-RW-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P198011

CATALOG NUMBER: TT-C6-LED-E1-RW-7050

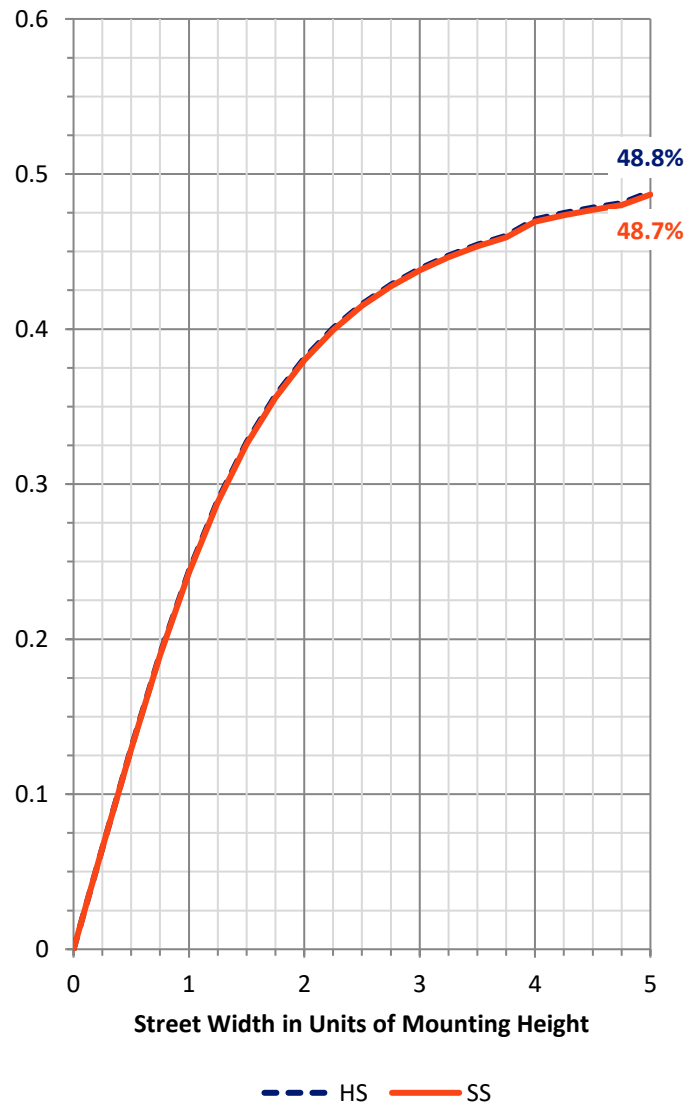
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4937.5	0.0	4937.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4937.5	0.0	4937.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9875.1	0.0	9875.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.7	0.4
10°-20°	134.5	1.4
20°-30°	297.0	3.0
30°-40°	591.8	6.0
40°-50°	1132.8	11.5
50°-60°	2027.6	20.5
60°-70°	2686.9	27.2
70°-80°	2242.3	22.7
80°-90°	723.4	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°	9875.1	100.0
0°-180°	9875.1	100.0

Coefficient of Utilization



REPORT NUMBER: P198011

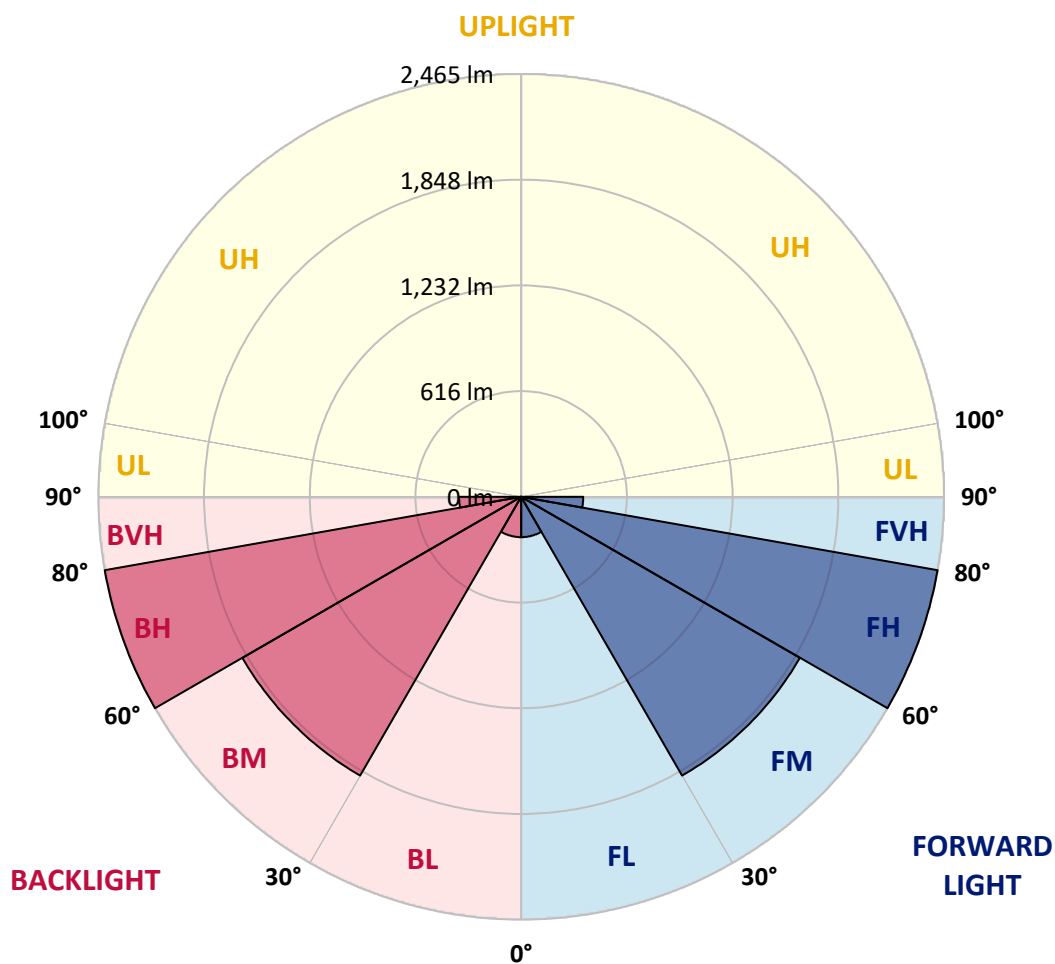
CATALOG NUMBER: TT-C6-LED-E1-RW-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	235.1	2.4			
FM	(30°-60°)	1876.1	19.0			
FH	(60°-80°)	2464.6	25.0			G2/5000
FVH	(80°-90°)	361.7	3.7			G3/500
BL	(0°-30°)	235.1	2.4	B1/500		
BM	(30°-60°)	1876.1	19.0	B2/2500		
BH	(60°-80°)	2464.6	25.0	B3/2500		G3/2500
BVH	(80°-90°)	361.7	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



REPORT NUMBER: P198011

CATALOG NUMBER: TT-C6-LED-E1-RW-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	386.7	386.7	386.7	386.7	386.7	386.7	386.7	386.7	386.7	386.7	386.7
2.5°	390.6	390.6	390.6	390.6	392.5	392.5	392.5	392.5	392.5	392.5	392.5
5°	396.4	396.4	398.3	398.3	400.3	400.3	400.3	400.3	398.3	398.3	398.3
7.5°	406.1	408.0	410.0	410.0	410.0	408.0	406.1	406.1	404.2	404.2	404.2
10°	423.6	423.6	425.5	425.5	423.6	421.6	419.7	417.8	417.8	417.8	415.8
12.5°	445.0	445.0	446.9	445.0	441.1	439.1	435.2	433.3	433.3	431.4	431.4
15°	474.1	478.0	478.0	472.2	466.3	460.5	458.6	454.7	454.7	454.7	454.7
17.5°	518.8	516.9	509.1	503.3	499.4	489.7	485.8	483.8	479.9	479.9	479.9
20°	569.3	565.4	555.7	547.9	540.2	528.5	520.7	516.9	514.9	513.0	513.0
22.5°	625.7	619.8	606.2	600.4	584.9	573.2	563.5	555.7	549.9	547.9	551.8
25°	684.0	684.0	672.3	656.8	641.2	623.7	610.1	600.4	592.6	590.7	588.8
27.5°	746.1	750.0	734.5	718.9	701.4	678.1	664.5	650.9	649.0	647.0	645.1
30°	812.2	820.0	804.4	788.9	765.6	742.3	724.8	718.9	713.1	717.0	717.0
32.5°	893.8	897.7	880.2	868.6	837.5	814.1	798.6	794.7	796.7	794.7	800.5
35°	989.0	983.2	969.6	946.3	919.1	897.7	886.0	893.8	915.2	923.0	919.1
37.5°	1094.0	1072.6	1064.8	1035.7	1010.4	992.9	996.8	1016.2	1033.7	1047.3	1043.4
40°	1171.7	1175.6	1154.2	1127.0	1103.7	1099.8	1121.2	1146.4	1179.4	1191.1	1195.0
42.5°	1251.3	1274.7	1249.4	1222.2	1210.5	1218.3	1249.4	1299.9	1373.8	1412.6	1406.8
45°	1342.7	1367.9	1340.7	1319.3	1317.4	1346.6	1414.6	1546.7	1655.5	1733.2	1741.0
47.5°	1437.9	1457.3	1432.0	1418.4	1437.9	1494.2	1610.8	1787.6	1904.2	1995.5	2011.1
50°	1558.3	1550.6	1531.1	1529.2	1571.9	1674.9	1832.3	2011.1	2220.9	2281.2	2300.6
52.5°	1676.9	1647.7	1643.8	1653.6	1729.3	1845.9	2055.8	2407.5	2716.4	2934.0	2957.4
55°	1787.6	1754.6	1762.4	1787.6	1894.5	2071.3	2362.8	2792.2	3062.3	3215.8	3223.6
57.5°	1888.7	1869.2	1886.7	1921.7	2081.0	2308.4	2617.3	2971.0	3175.0	3283.8	3303.2
60°	1991.7	1987.8	2009.1	2073.3	2244.3	2446.3	2704.8	3017.6	3221.6	3305.2	3324.6
62.5°	2088.8	2102.4	2129.6	2191.8	2323.9	2481.3	2732.0	3114.7	3419.8	3551.9	3585.0
65°	2191.8	2203.4	2236.5	2246.2	2364.7	2531.8	2916.6	3297.4	3553.9	3724.9	3748.2
67.5°	2285.1	2300.6	2288.9	2281.2	2384.2	2531.8	2879.6	3213.8	3427.6	3557.8	3583.0
70°	2374.4	2356.9	2310.3	2250.1	2279.2	2380.3	2698.9	2988.4	3204.1	3326.5	3351.8
72.5°	2397.8	2374.4	2250.1	2112.1	2069.4	2145.2	2438.6	2695.0	2871.9	2986.5	3002.1
75°	2337.5	2288.9	2079.1	1888.7	1807.1	1882.8	2127.7	2347.2	2471.6	2595.9	2605.7
77.5°	2096.6	2065.5	1832.3	1601.1	1509.8	1566.1	1770.1	1925.6	2069.4	2189.8	2213.2
80°	1721.6	1694.4	1488.4	1299.9	1177.5	1216.4	1366.0	1490.3	1628.3	1723.5	1752.7
82.5°	1266.9	1263.0	1115.3	938.5	853.0	849.1	961.8	1084.2	1189.2	1280.5	1299.9
85°	796.7	796.7	695.6	588.8	499.4	501.3	569.3	658.7	790.8	849.1	855.0
87.5°	270.1	256.5	239.0	194.3	155.4	139.9	149.6	171.0	260.4	322.6	334.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P198011

CATALOG NUMBER: TT-C6-LED-E1-RW-7050

CANDELA DISTRIBUTION (continued):

	90°
0°	386.7
2.5°	392.5
5°	398.3
7.5°	404.2
10°	415.8
12.5°	433.3
15°	452.7
17.5°	479.9
20°	513.0
22.5°	549.9
25°	588.8
27.5°	647.0
30°	715.1
32.5°	798.6
35°	921.0
37.5°	1047.3
40°	1204.7
42.5°	1422.3
45°	1721.6
47.5°	2011.1
50°	2279.2
52.5°	2908.8
55°	3231.3
57.5°	3301.3
60°	3318.8
62.5°	3567.5
65°	3744.3
67.5°	3581.1
70°	3346.0
72.5°	2990.4
75°	2621.2
77.5°	2213.2
80°	1729.3
82.5°	1299.9
85°	841.4
87.5°	324.5
90°	0.0

(END OF REPORT)