

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: P197984

Luminaire Tested: **TT-C5-LED-E1-RW-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34692)
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-MS/DIM-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7167 lumens
Efficiency: N/A
Efficacy: 93.1 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



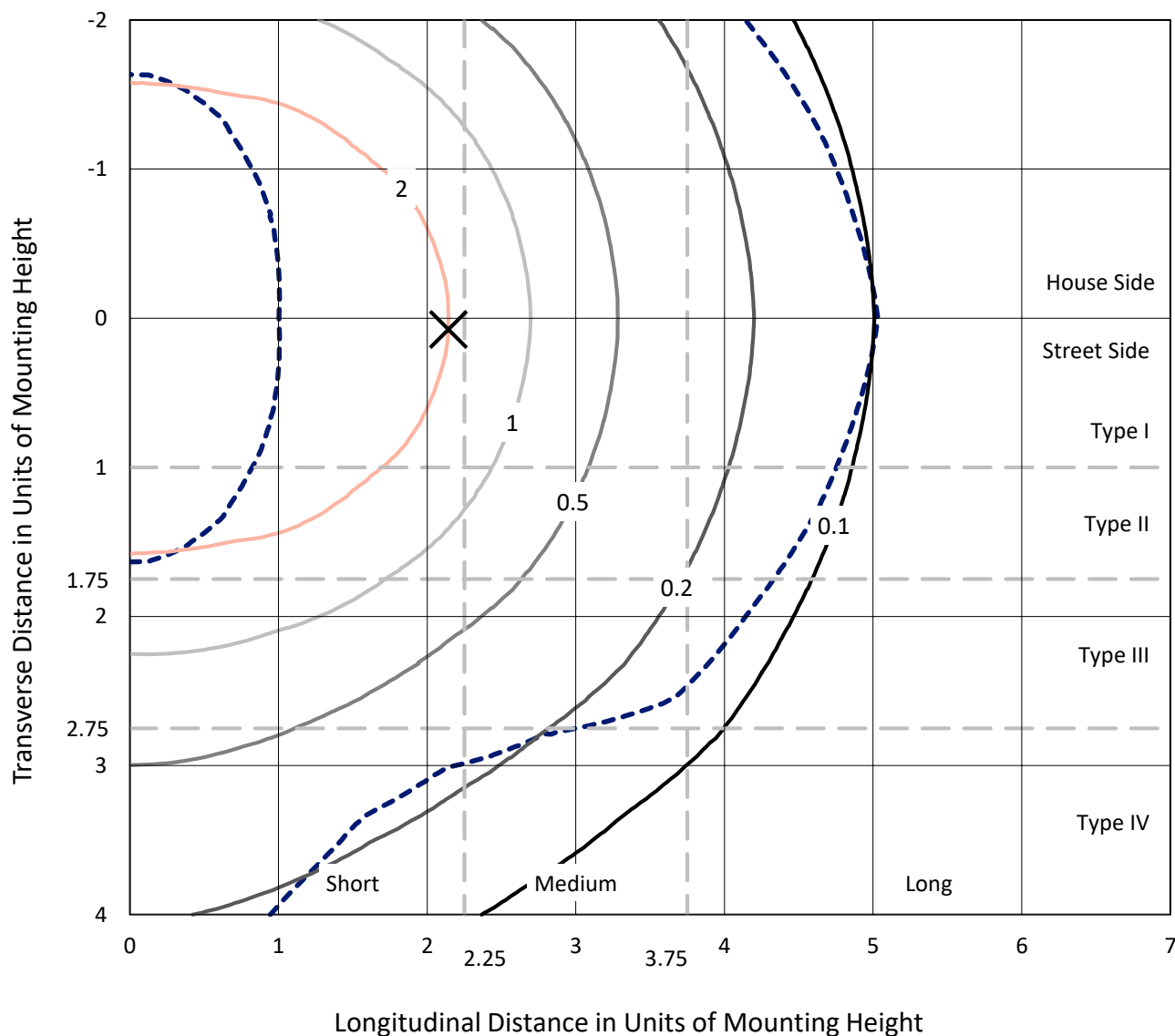
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

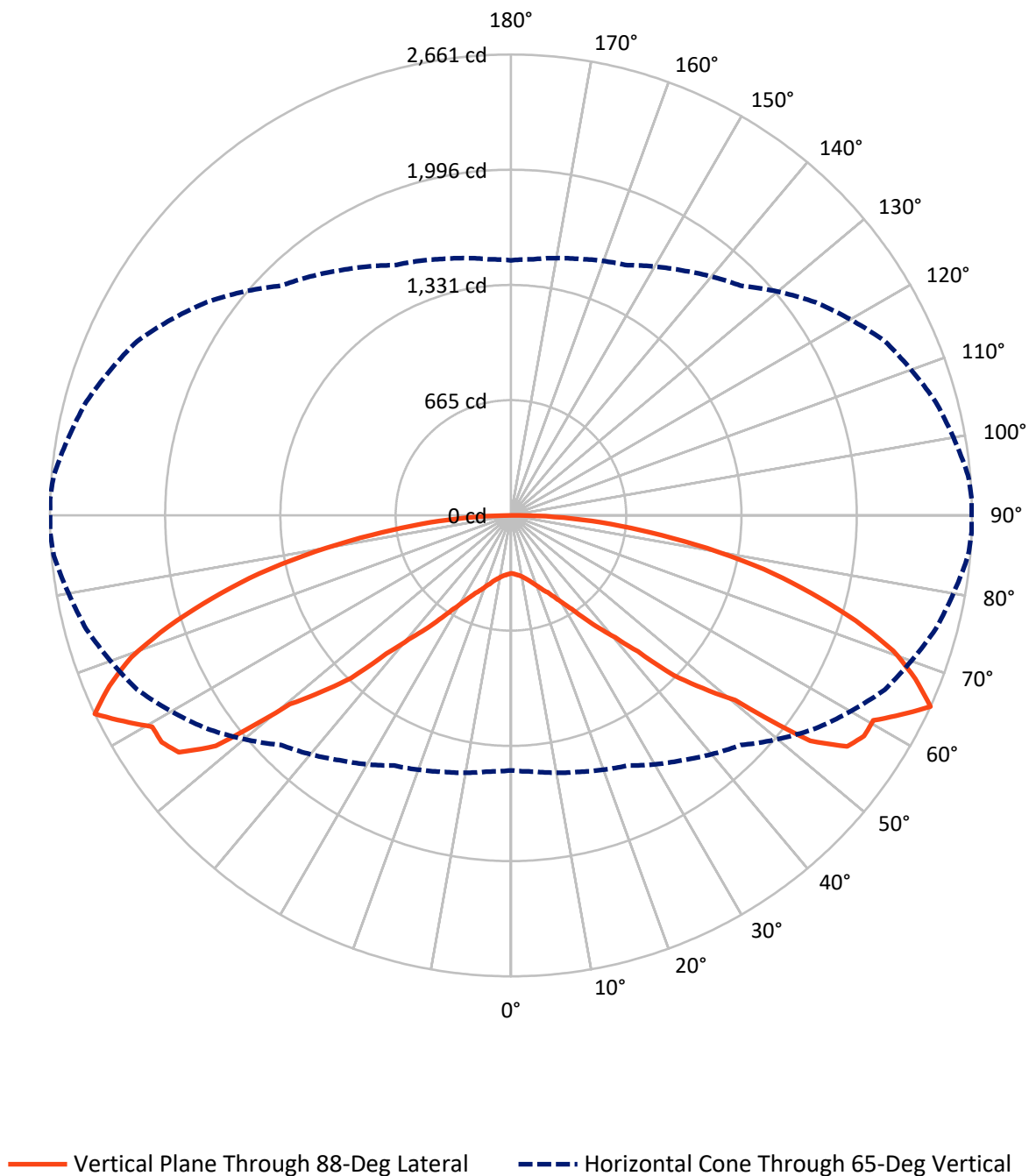


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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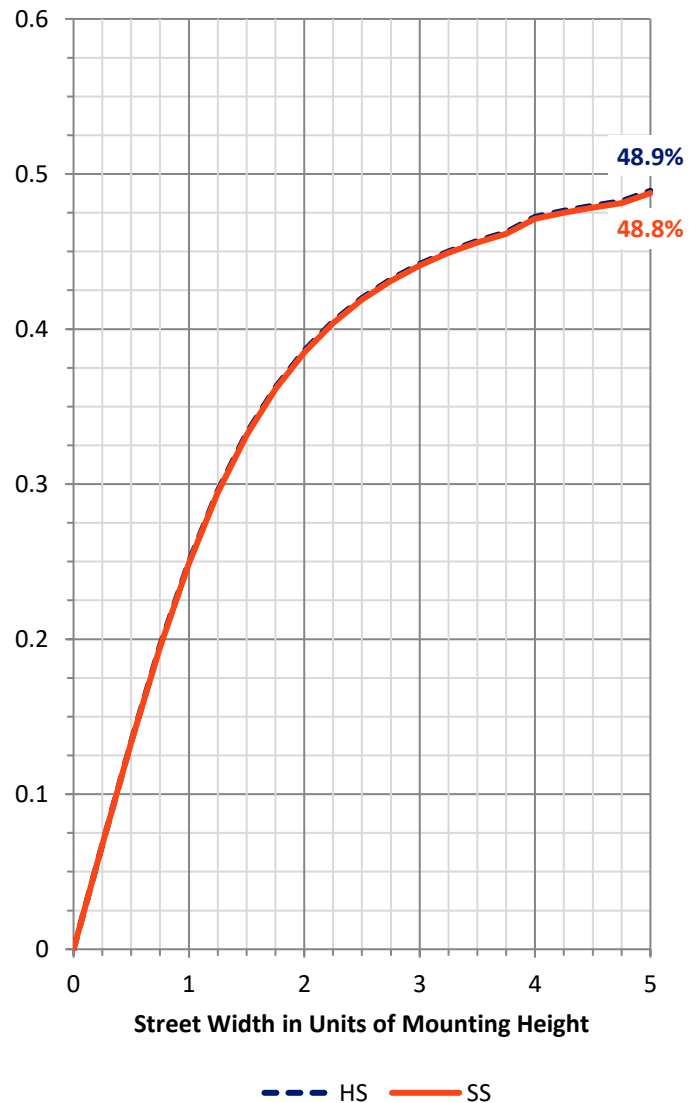
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3583.5	0.0	3583.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3583.5	0.0	3583.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7167.0	0.0	7167.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.4	0.5
10°-20°	114.2	1.6
20°-30°	242.6	3.4
30°-40°	463.5	6.5
40°-50°	852.1	11.9
50°-60°	1475.8	20.6
60°-70°	1919.9	26.8
70°-80°	1573.5	22.0
80°-90°	491.9	6.9
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°	7167.0	100.0
0°-180°	7167.0	100.0

Coefficient of Utilization



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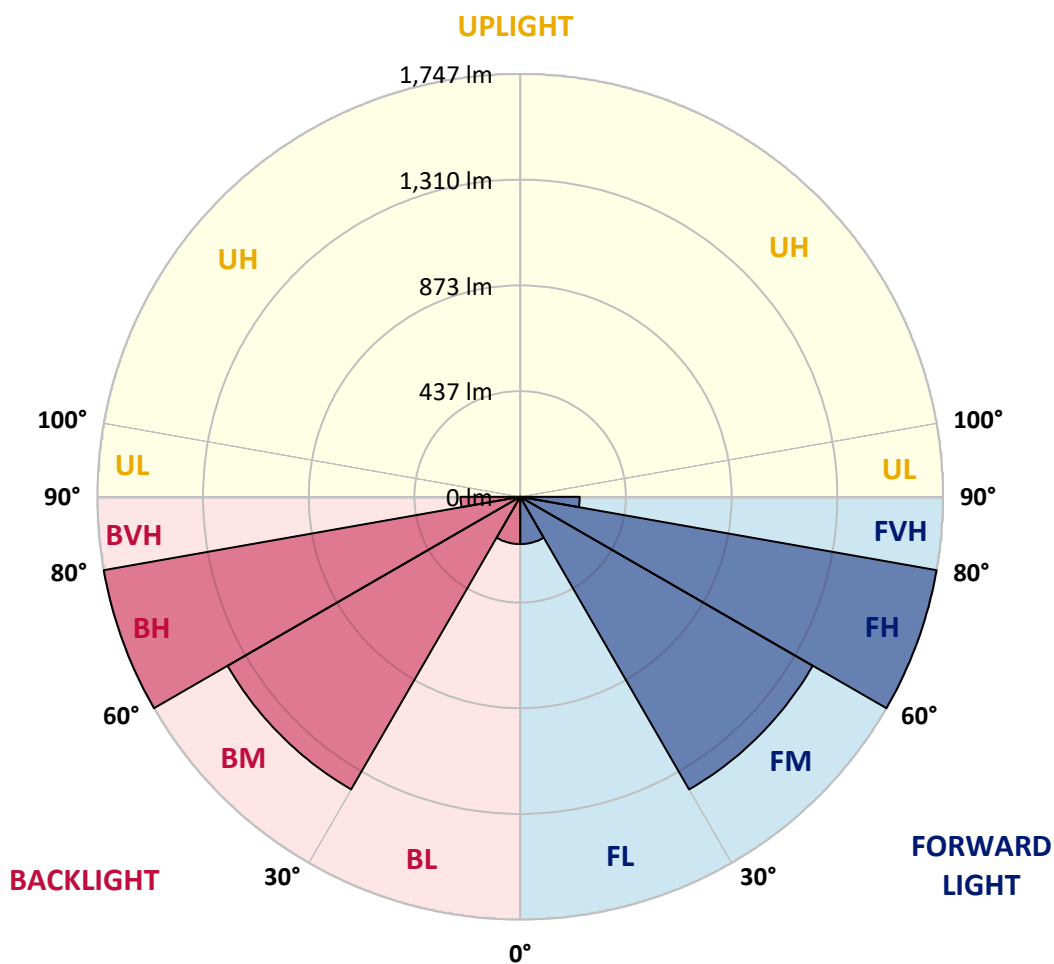
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	195.1	2.7			
FM	(30°-60°)	1395.7	19.5			
FH	(60°-80°)	1746.7	24.4			G1/1800
FVH	(80°-90°)	246.0	3.4			G3/500
BL	(0°-30°)	195.1	2.7	B1/500		
BM	(30°-60°)	1395.7	19.5	B2/2500		
BH	(60°-80°)	1746.7	24.4	B3/2500		G3/2500
BVH	(80°-90°)	246.0	3.4			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°	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9
2.5°	337.9	337.9	337.9	337.9	337.9	337.9	337.9	337.9	337.9	337.9	337.9
5°	343.9	343.9	343.9	345.4	345.4	345.4	345.4	345.4	343.9	343.9	343.9
7.5°	351.5	351.5	353.0	353.0	353.0	353.0	351.5	351.5	350.0	350.0	350.0
10°	363.5	363.5	365.1	365.1	363.5	362.0	362.0	362.0	360.5	360.5	360.5
12.5°	380.1	380.1	381.7	380.1	378.6	377.1	377.1	375.6	374.1	374.1	374.1
15°	402.8	402.8	401.3	398.2	395.2	395.2	390.7	390.7	390.7	390.7	389.2
17.5°	432.9	431.4	425.4	423.9	419.4	416.3	413.3	411.8	410.3	410.3	411.8
20°	466.1	463.1	455.6	455.6	448.0	443.5	440.5	437.5	437.5	436.0	434.4
22.5°	505.3	502.3	493.3	490.3	482.7	475.2	472.2	464.6	463.1	463.1	464.6
25°	544.6	546.1	538.5	532.5	521.9	514.4	503.8	499.3	494.8	494.8	491.8
27.5°	589.8	591.3	582.3	574.7	565.7	550.6	544.6	538.5	534.0	537.0	534.0
30°	638.1	641.1	633.6	624.5	610.9	595.9	588.3	586.8	582.3	585.3	583.8
32.5°	693.9	692.4	687.9	678.8	660.7	648.7	642.6	641.1	644.1	645.6	644.1
35°	758.8	752.7	748.2	734.6	718.0	709.0	703.0	709.0	722.6	731.6	728.6
37.5°	826.7	817.6	813.1	798.0	782.9	778.4	785.9	798.0	811.6	823.6	823.6
40°	882.5	885.5	874.9	861.4	849.3	853.8	867.4	888.5	915.7	927.7	926.2
42.5°	938.3	947.3	936.8	923.2	924.7	938.3	957.9	997.1	1057.5	1075.6	1074.1
45°	988.1	1007.7	998.6	989.6	1003.2	1025.8	1078.6	1166.1	1249.0	1310.9	1315.4
47.5°	1052.9	1063.5	1059.0	1059.0	1080.1	1132.9	1212.8	1335.0	1422.5	1481.3	1490.4
50°	1126.9	1116.3	1117.8	1131.4	1184.2	1262.6	1371.2	1485.9	1642.8	1669.9	1677.5
52.5°	1188.7	1170.6	1181.2	1206.8	1283.7	1383.3	1519.1	1754.4	1955.0	2136.0	2161.7
55°	1252.1	1230.9	1252.1	1292.8	1405.9	1544.7	1743.8	2016.9	2228.1	2341.2	2354.8
57.5°	1300.3	1297.3	1327.5	1386.3	1525.1	1710.6	1935.4	2169.2	2311.0	2391.0	2403.0
60°	1360.7	1363.7	1398.4	1476.8	1642.8	1820.8	1988.2	2202.4	2342.7	2389.5	2403.0
62.5°	1418.0	1430.1	1470.8	1559.8	1704.6	1840.4	2001.8	2261.2	2439.2	2540.3	2531.3
65°	1472.3	1484.4	1532.6	1593.0	1725.7	1875.1	2145.1	2380.4	2537.3	2648.9	2661.0
67.5°	1526.6	1541.7	1561.3	1609.6	1737.8	1878.1	2111.9	2309.5	2436.2	2513.2	2517.7
70°	1573.4	1571.9	1567.3	1580.9	1660.9	1769.5	1986.7	2143.6	2262.8	2326.1	2341.2
72.5°	1579.4	1574.9	1522.1	1482.9	1508.5	1594.5	1802.7	1927.9	2018.4	2071.2	2081.7
75°	1529.6	1504.0	1399.9	1315.4	1310.9	1396.9	1571.9	1662.4	1716.7	1784.6	1789.1
77.5°	1368.2	1339.5	1223.4	1108.7	1108.7	1164.6	1310.9	1359.2	1427.0	1478.3	1491.9
80°	1102.7	1099.7	979.0	888.5	855.3	902.1	1021.3	1039.4	1090.6	1134.4	1148.0
82.5°	798.0	775.4	709.0	632.1	604.9	635.1	716.5	734.6	754.3	793.5	810.1
85°	482.7	484.2	439.0	395.2	360.5	371.1	434.4	460.1	485.7	511.4	520.4
87.5°	173.5	200.6	156.9	138.8	120.7	114.6	134.3	165.9	194.6	230.8	250.4
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°	334.9
2.5°	337.9
5°	342.4
7.5°	350.0
10°	360.5
12.5°	374.1
15°	389.2
17.5°	408.8
20°	434.4
22.5°	461.6
25°	493.3
27.5°	537.0
30°	582.3
32.5°	644.1
35°	736.1
37.5°	823.6
40°	930.7
42.5°	1080.1
45°	1321.4
47.5°	1488.9
50°	1691.0
52.5°	2140.6
55°	2359.3
57.5°	2406.1
60°	2403.0
62.5°	2555.4
65°	2659.5
67.5°	2520.7
70°	2347.2
72.5°	2077.2
75°	1799.6
77.5°	1499.5
80°	1154.0
82.5°	804.0
85°	541.6
87.5°	223.3
90°	0.0

(END OF REPORT)