

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: P197980

Luminaire Tested: **TT-C4-LED-E1-RW-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197980
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-C4-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: 5531.9 lumens
Efficiency: N/A
Efficacy: 95.4 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): 58
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

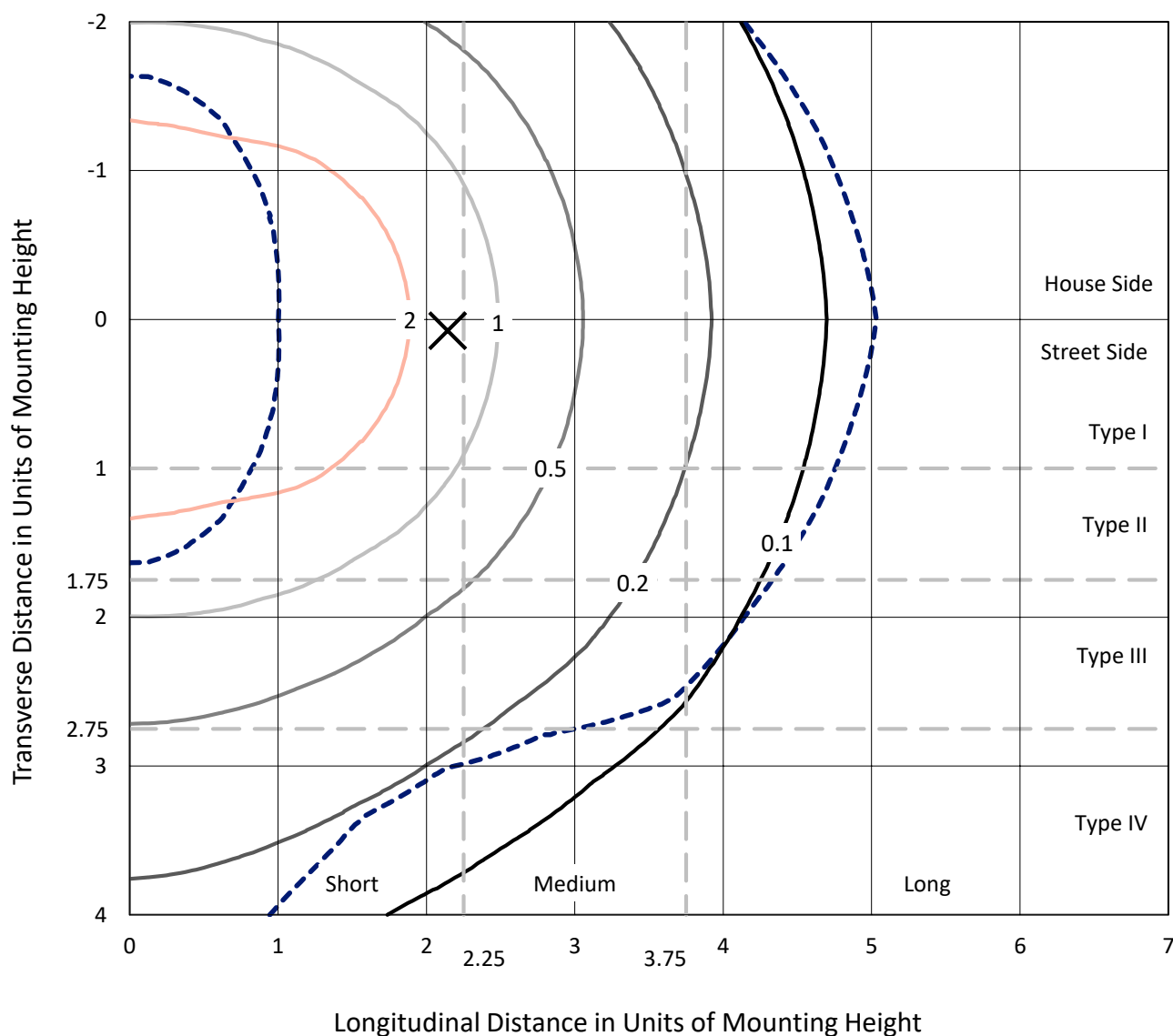


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

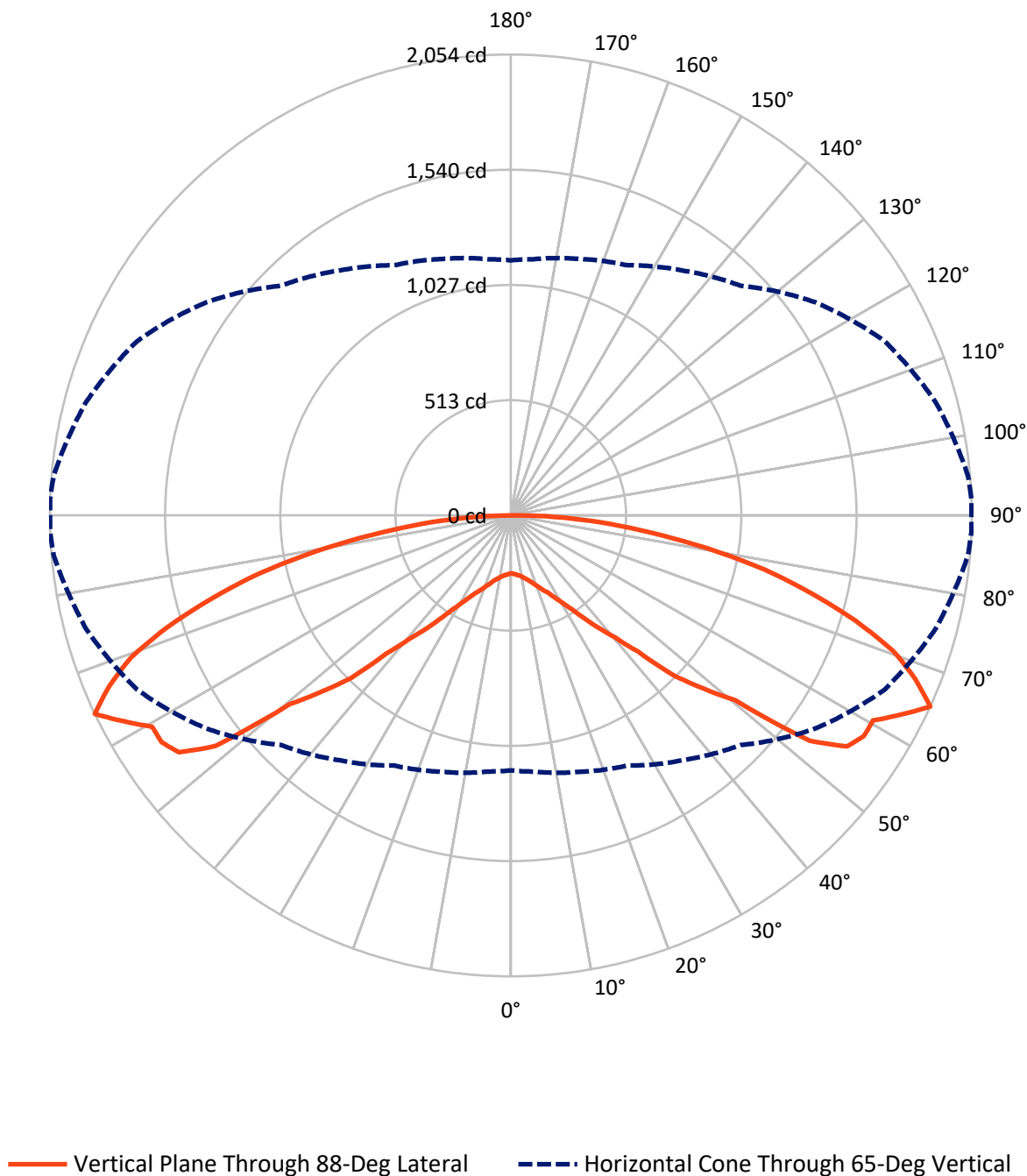


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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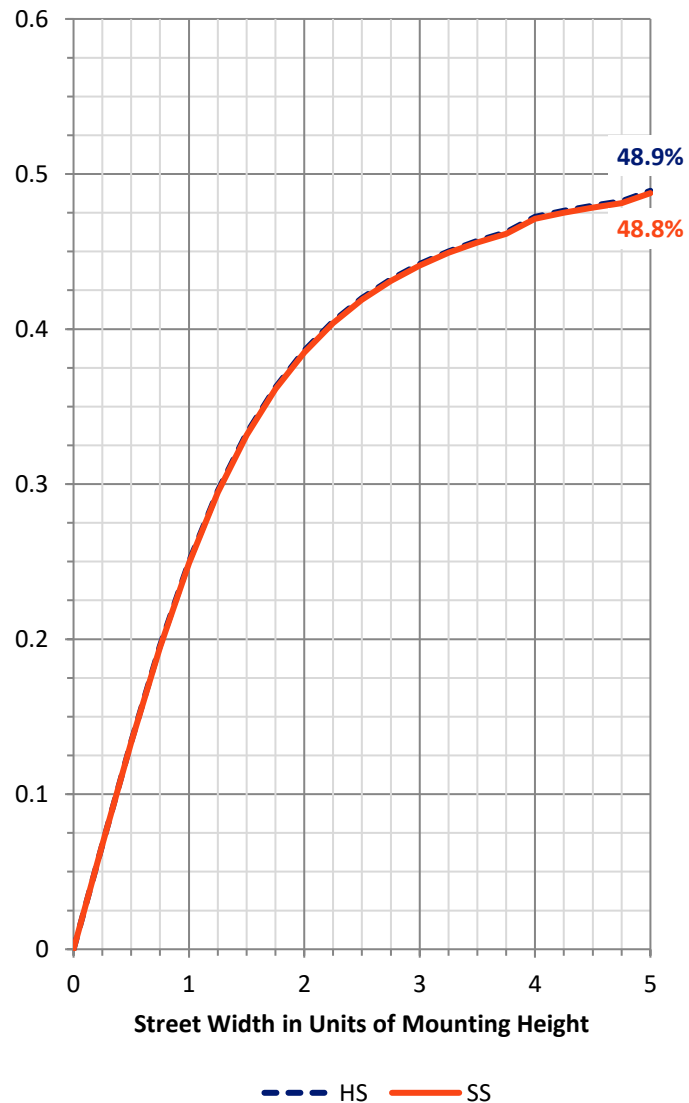
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2765.9	0.0	2765.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2765.9	0.0	2765.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5531.9	0.0	5531.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.8	0.5
10°-20°	88.2	1.6
20°-30°	187.3	3.4
30°-40°	357.8	6.5
40°-50°	657.7	11.9
50°-60°	1139.1	20.6
60°-70°	1481.9	26.8
70°-80°	1214.5	22.0
80°-90°	379.7	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°	5531.9	100.0
0°-180°	5531.9	100.0

Coefficient of Utilization



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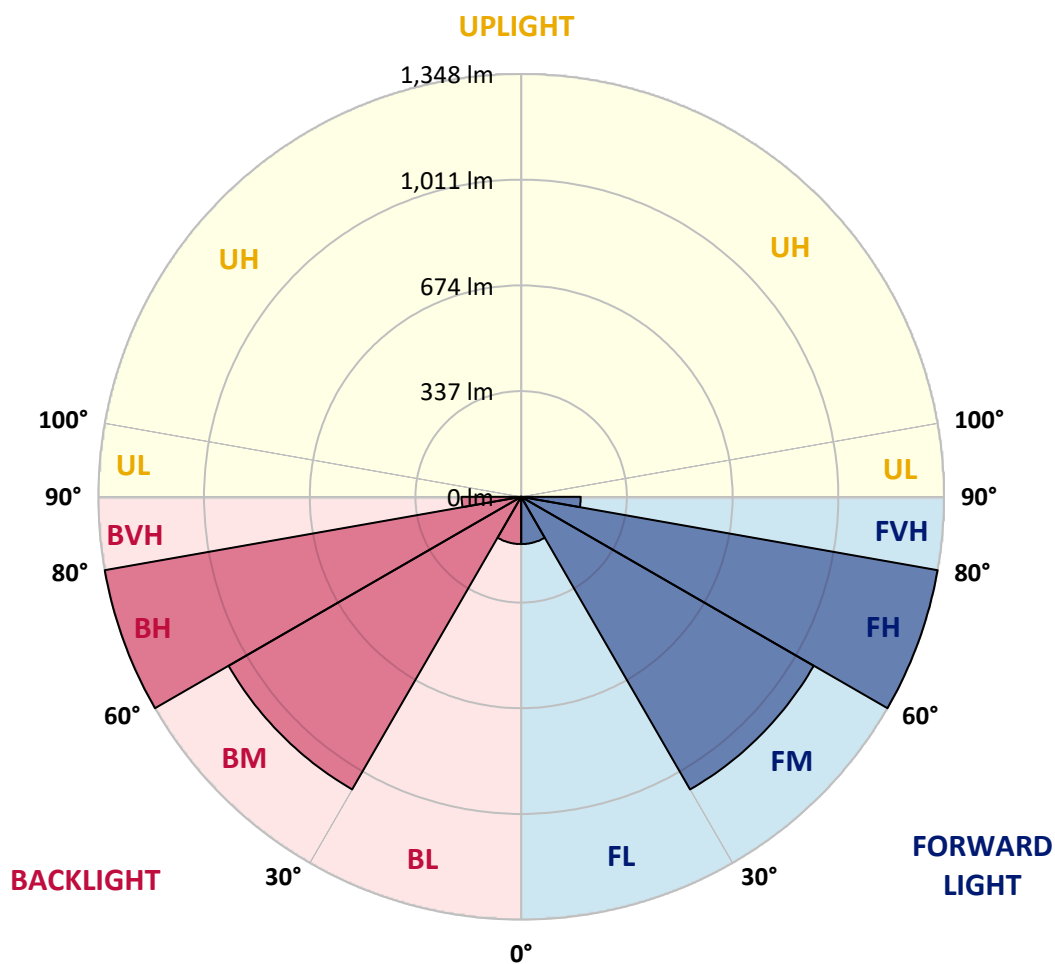
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	150.6	2.7			
FM	(30°-60°)	1077.3	19.5			
FH	(60°-80°)	1348.2	24.4			G1/1800
FVH	(80°-90°)	189.8	3.4			G2/225
BL	(0°-30°)	150.6	2.7	B1/500		
BM	(30°-60°)	1077.3	19.5	B2/2500		
BH	(60°-80°)	1348.2	24.4	B3/2500		G3/2500
BVH	(80°-90°)	189.8	3.4			G2/225
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°	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5
2.5°	260.8	260.8	260.8	260.8	260.8	260.8	260.8	260.8	260.8	260.8	260.8
5°	265.5	265.5	265.5	266.6	266.6	266.6	266.6	266.6	265.5	265.5	265.5
7.5°	271.3	271.3	272.5	272.5	272.5	272.5	271.3	271.3	270.1	270.1	270.1
10°	280.6	280.6	281.8	281.8	280.6	279.4	279.4	279.4	278.3	278.3	278.3
12.5°	293.4	293.4	294.6	293.4	292.3	291.1	291.1	289.9	288.8	288.8	288.8
15°	310.9	310.9	309.7	307.4	305.1	305.1	301.6	301.6	301.6	301.6	300.4
17.5°	334.2	333.0	328.3	327.2	323.7	321.4	319.0	317.9	316.7	316.7	317.9
20°	359.8	357.5	351.6	351.6	345.8	342.3	340.0	337.7	337.7	336.5	335.3
22.5°	390.1	387.7	380.7	378.4	372.6	366.8	364.4	358.6	357.5	357.5	358.6
25°	420.3	421.5	415.7	411.0	402.9	397.0	388.9	385.4	381.9	381.9	379.6
27.5°	455.3	456.4	449.4	443.6	436.6	425.0	420.3	415.7	412.2	414.5	412.2
30°	492.5	494.8	489.0	482.0	471.6	459.9	454.1	452.9	449.4	451.8	450.6
32.5°	535.6	534.4	530.9	524.0	510.0	500.7	496.0	494.8	497.2	498.3	497.2
35°	585.7	581.0	577.5	567.0	554.2	547.2	542.6	547.2	557.7	564.7	562.4
37.5°	638.1	631.1	627.6	615.9	604.3	600.8	606.6	615.9	626.4	635.7	635.7
40°	681.1	683.5	675.3	664.8	655.5	659.0	669.5	685.8	706.8	716.1	714.9
42.5°	724.2	731.2	723.1	712.6	713.7	724.2	739.4	769.6	816.2	830.2	829.0
45°	762.6	777.8	770.8	763.8	774.3	791.8	832.5	900.0	964.1	1011.8	1015.3
47.5°	812.7	820.9	817.4	817.4	833.7	874.4	936.1	1030.4	1098.0	1143.4	1150.4
50°	869.8	861.6	862.8	873.3	914.0	974.6	1058.4	1146.9	1268.0	1288.9	1294.8
52.5°	917.5	903.5	911.7	931.5	990.9	1067.7	1172.5	1354.1	1509.0	1648.7	1668.5
55°	966.4	950.1	966.4	997.8	1085.2	1192.3	1346.0	1556.7	1719.7	1807.1	1817.5
57.5°	1003.7	1001.3	1024.6	1070.0	1177.2	1320.4	1493.9	1674.3	1783.8	1845.5	1854.8
60°	1050.2	1052.6	1079.3	1139.9	1268.0	1405.4	1534.6	1699.9	1808.2	1844.3	1854.8
62.5°	1094.5	1103.8	1135.2	1203.9	1315.7	1420.5	1545.1	1745.4	1882.7	1960.8	1953.8
65°	1136.4	1145.7	1183.0	1229.6	1332.0	1447.3	1655.7	1837.3	1958.4	2044.6	2053.9
67.5°	1178.3	1190.0	1205.1	1242.4	1341.3	1449.6	1630.1	1782.6	1880.4	1939.8	1943.3
70°	1214.4	1213.2	1209.8	1220.2	1281.9	1365.8	1533.4	1654.5	1746.5	1795.4	1807.1
72.5°	1219.1	1215.6	1174.8	1144.6	1164.3	1230.7	1391.4	1488.0	1557.9	1598.6	1606.8
75°	1180.6	1160.9	1080.5	1015.3	1011.8	1078.2	1213.2	1283.1	1325.0	1377.4	1380.9
77.5°	1056.1	1033.9	944.3	855.8	855.8	898.9	1011.8	1049.1	1101.5	1141.1	1151.5
80°	851.1	848.8	755.7	685.8	660.2	696.3	788.3	802.2	841.8	875.6	886.1
82.5°	615.9	598.5	547.2	487.9	466.9	490.2	553.1	567.0	582.2	612.4	625.3
85°	372.6	373.8	338.8	305.1	278.3	286.4	335.3	355.1	374.9	394.7	401.7
87.5°	133.9	154.9	121.1	107.1	93.1	88.5	103.6	128.1	150.2	178.1	193.3
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°	258.5
2.5°	260.8
5°	264.3
7.5°	270.1
10°	278.3
12.5°	288.8
15°	300.4
17.5°	315.5
20°	335.3
22.5°	356.3
25°	380.7
27.5°	414.5
30°	449.4
32.5°	497.2
35°	568.2
37.5°	635.7
40°	718.4
42.5°	833.7
45°	1020.0
47.5°	1149.2
50°	1305.2
52.5°	1652.2
55°	1821.0
57.5°	1857.1
60°	1854.8
62.5°	1972.4
65°	2052.7
67.5°	1945.6
70°	1811.7
72.5°	1603.3
75°	1389.1
77.5°	1157.4
80°	890.7
82.5°	620.6
85°	418.0
87.5°	172.3
90°	0.0

(END OF REPORT)