

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: P198009

Luminaire Tested: **TT-C6-LED-E1-RW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198009
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-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7518.7 lumens
Efficiency: N/A
Efficacy: 69.6 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): 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



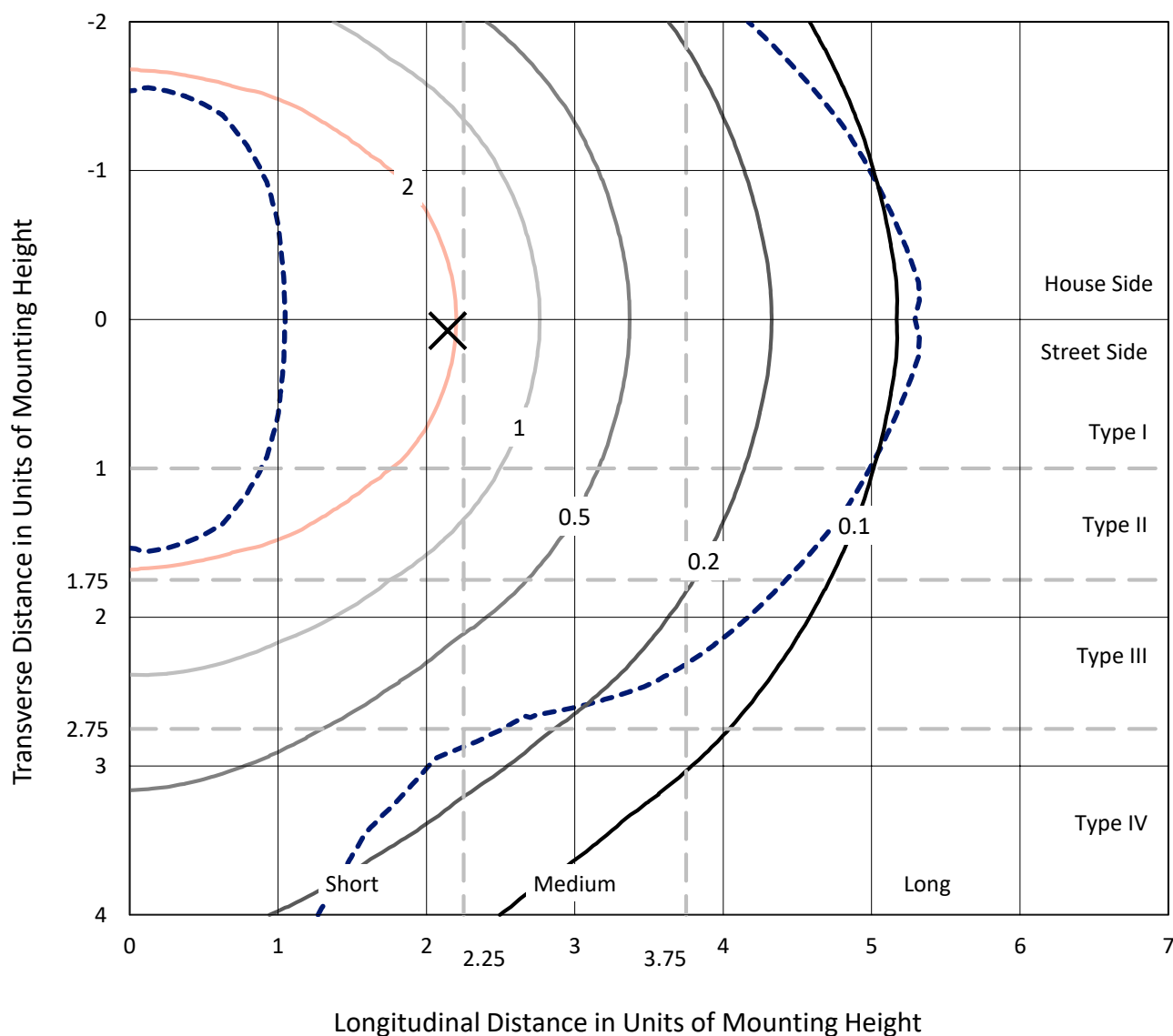
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

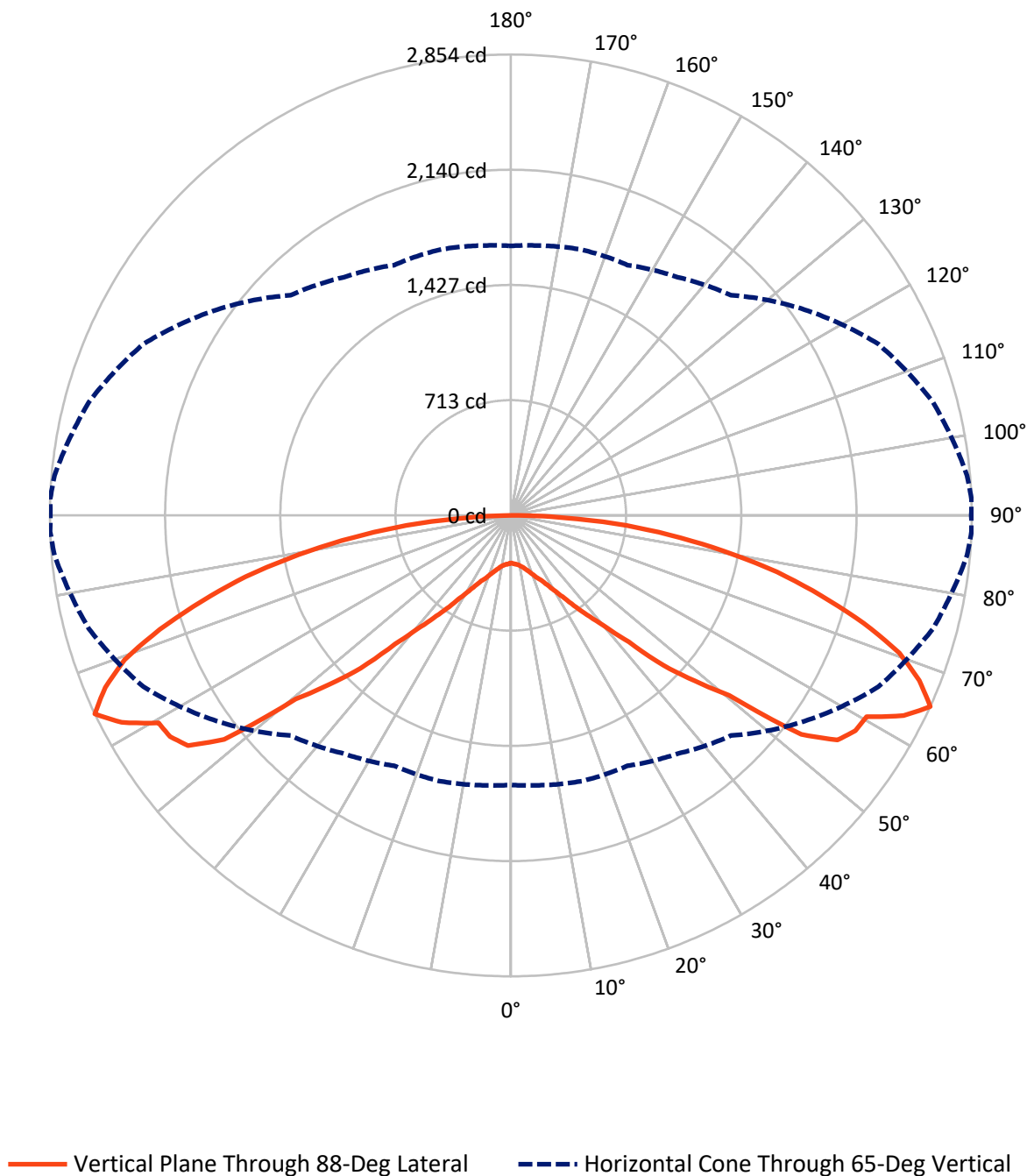


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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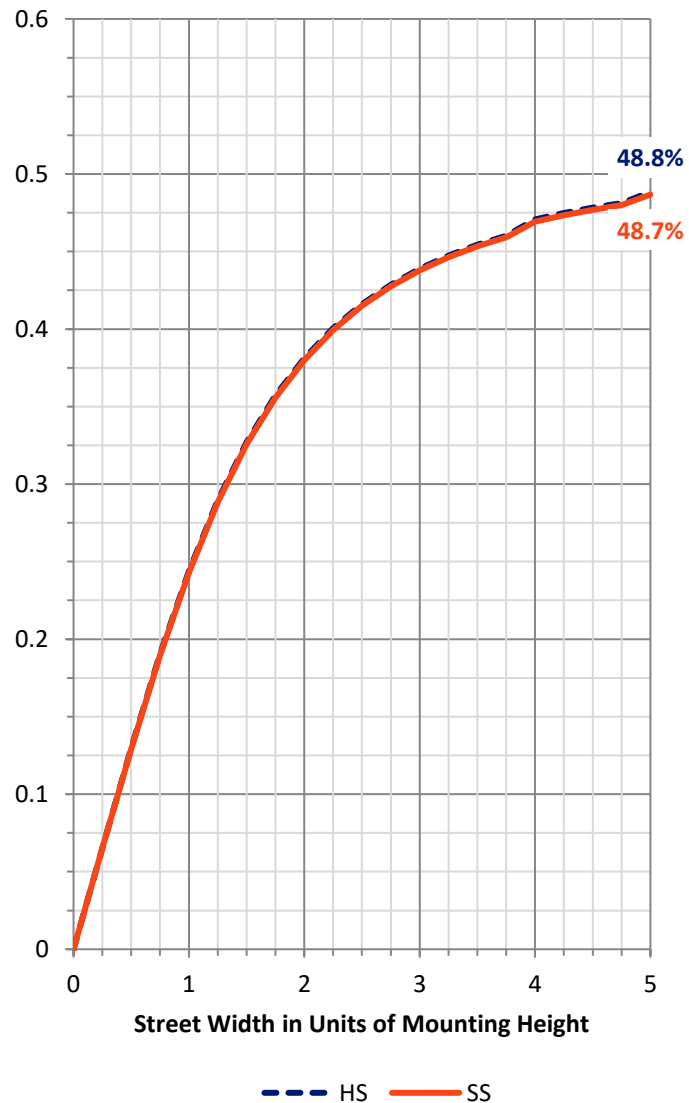
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3759.3	0.0	3759.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3759.3	0.0	3759.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	7518.7	0.0	7518.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	0.4
10°-20°	102.4	1.4
20°-30°	226.1	3.0
30°-40°	450.6	6.0
40°-50°	862.5	11.5
50°-60°	1543.8	20.5
60°-70°	2045.7	27.2
70°-80°	1707.2	22.7
80°-90°	550.8	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°	7518.7	100.0
0°-180°	7518.7	100.0

Coefficient of Utilization



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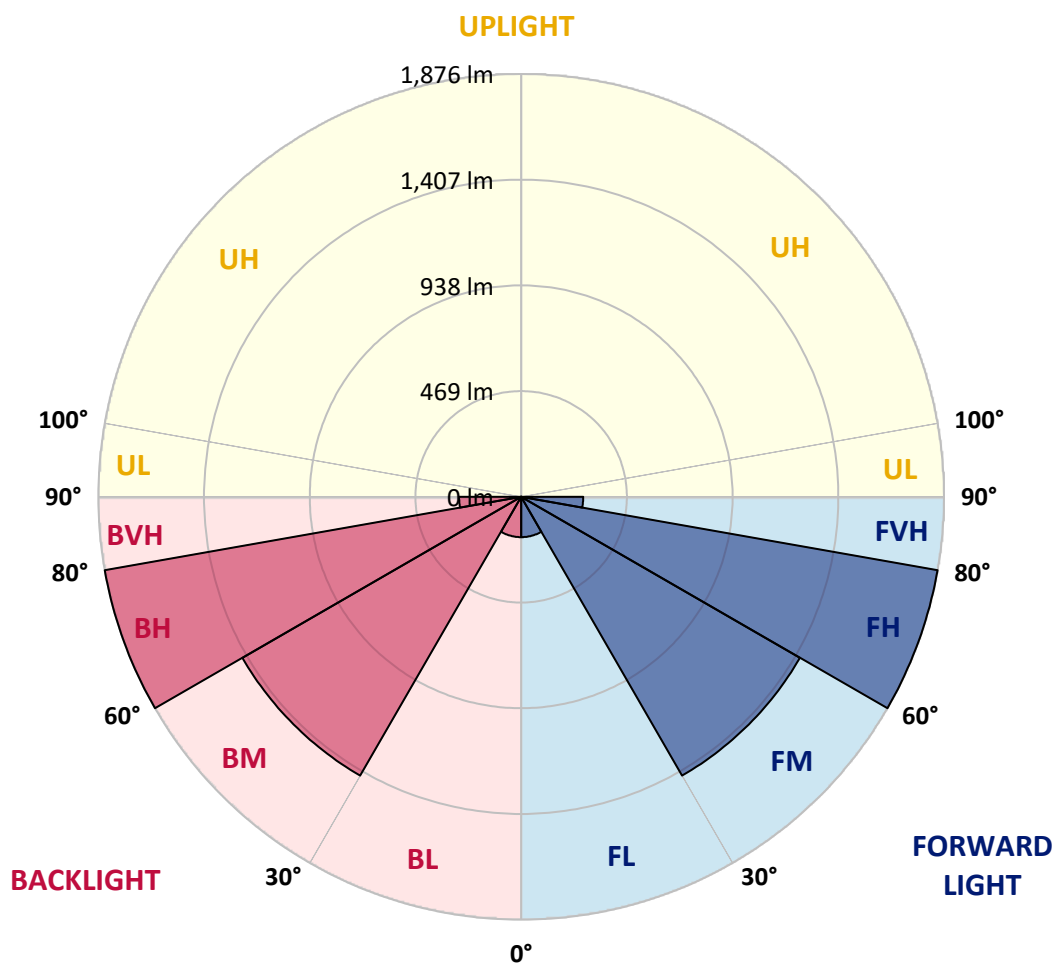
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	179.0	2.4			
FM	(30°-60°)	1428.5	19.0			
FH	(60°-80°)	1876.5	25.0			G2/5000
FVH	(80°-90°)	275.4	3.7			G3/500
BL	(0°-30°)	179.0	2.4	B1/500		
BM	(30°-60°)	1428.5	19.0	B2/2500		
BH	(60°-80°)	1876.5	25.0	B3/2500		G3/2500
BVH	(80°-90°)	275.4	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°	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4
2.5°	297.4	297.4	297.4	297.4	298.8	298.8	298.8	298.8	298.8	298.8	298.8
5°	301.8	301.8	303.3	303.3	304.8	304.8	304.8	304.8	303.3	303.3	303.3
7.5°	309.2	310.7	312.2	312.2	312.2	310.7	309.2	309.2	307.7	307.7	307.7
10°	322.5	322.5	324.0	324.0	322.5	321.0	319.6	318.1	318.1	318.1	316.6
12.5°	338.8	338.8	340.3	338.8	335.8	334.3	331.4	329.9	329.9	328.4	328.4
15°	361.0	363.9	363.9	359.5	355.1	350.6	349.1	346.2	346.2	346.2	346.2
17.5°	395.0	393.5	387.6	383.2	380.2	372.8	369.9	368.4	365.4	365.4	365.4
20°	433.5	430.5	423.1	417.2	411.3	402.4	396.5	393.5	392.0	390.6	390.6
22.5°	476.4	471.9	461.6	457.1	445.3	436.4	429.0	423.1	418.7	417.2	420.2
25°	520.8	520.8	511.9	500.0	488.2	474.9	464.5	457.1	451.2	449.7	448.3
27.5°	568.1	571.1	559.2	547.4	534.1	516.3	506.0	495.6	494.1	492.6	491.2
30°	618.4	624.3	612.5	600.6	582.9	565.1	551.8	547.4	542.9	545.9	545.9
32.5°	680.5	683.5	670.2	661.3	637.6	619.9	608.0	605.1	606.6	605.1	609.5
35°	753.0	748.6	738.2	720.5	699.8	683.5	674.6	680.5	696.8	702.7	699.8
37.5°	832.9	816.6	810.7	788.5	769.3	756.0	758.9	773.7	787.1	797.4	794.4
40°	892.1	895.0	878.8	858.1	840.3	837.4	853.6	872.9	898.0	906.9	909.8
42.5°	952.7	970.5	951.3	930.6	921.7	927.6	951.3	989.7	1046.0	1075.5	1071.1
45°	1022.3	1041.5	1020.8	1004.5	1003.0	1025.2	1077.0	1177.6	1260.5	1319.6	1325.6
47.5°	1094.8	1109.6	1090.3	1080.0	1094.8	1137.7	1226.4	1361.1	1449.8	1519.4	1531.2
50°	1186.5	1180.6	1165.8	1164.3	1196.9	1275.3	1395.1	1531.2	1691.0	1736.8	1751.6
52.5°	1276.7	1254.5	1251.6	1259.0	1316.7	1405.5	1565.2	1833.0	2068.2	2233.9	2251.7
55°	1361.1	1335.9	1341.8	1361.1	1442.4	1577.1	1799.0	2125.9	2331.6	2448.4	2454.4
57.5°	1438.0	1423.2	1436.5	1463.1	1584.5	1757.6	1992.8	2262.0	2417.4	2500.2	2515.0
60°	1516.4	1513.4	1529.7	1578.5	1708.7	1862.6	2059.4	2297.5	2452.9	2516.5	2531.3
62.5°	1590.4	1600.7	1621.4	1668.8	1769.4	1889.2	2080.1	2371.5	2603.8	2704.4	2729.5
65°	1668.8	1677.7	1702.8	1710.2	1800.5	1927.7	2220.6	2510.6	2705.9	2836.1	2853.8
67.5°	1739.8	1751.6	1742.8	1736.8	1815.3	1927.7	2192.5	2447.0	2609.7	2708.8	2728.1
70°	1807.9	1794.5	1759.0	1713.2	1735.4	1812.3	2054.9	2275.4	2439.6	2532.8	2552.0
72.5°	1825.6	1807.9	1713.2	1608.1	1575.6	1633.3	1856.7	2052.0	2186.6	2273.9	2285.7
75°	1779.7	1742.8	1583.0	1438.0	1375.9	1433.6	1620.0	1787.1	1881.8	1976.5	1983.9
77.5°	1596.3	1572.6	1395.1	1219.0	1149.5	1192.4	1347.8	1466.1	1575.6	1667.3	1685.1
80°	1310.8	1290.1	1133.2	989.7	896.5	926.1	1040.0	1134.7	1239.8	1312.2	1334.4
82.5°	964.6	961.6	849.2	714.6	649.5	646.5	732.3	825.5	905.4	974.9	989.7
85°	606.6	606.6	529.6	448.3	380.2	381.7	433.5	501.5	602.1	646.5	650.9
87.5°	205.6	195.3	182.0	147.9	118.4	106.5	113.9	130.2	198.2	245.6	254.5
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°	294.4
2.5°	298.8
5°	303.3
7.5°	307.7
10°	316.6
12.5°	329.9
15°	344.7
17.5°	365.4
20°	390.6
22.5°	418.7
25°	448.3
27.5°	492.6
30°	544.4
32.5°	608.0
35°	701.2
37.5°	797.4
40°	917.2
42.5°	1082.9
45°	1310.8
47.5°	1531.2
50°	1735.4
52.5°	2214.7
55°	2460.3
57.5°	2513.5
60°	2526.9
62.5°	2716.2
65°	2850.8
67.5°	2726.6
70°	2547.6
72.5°	2276.8
75°	1995.7
77.5°	1685.1
80°	1316.7
82.5°	989.7
85°	640.6
87.5°	247.1
90°	0.0

(END OF REPORT)