

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: P198054

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198054
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34696)
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-PM-CG-MS/DIM
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7016.1 lumens
Efficiency: N/A
Efficacy: 91.1 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

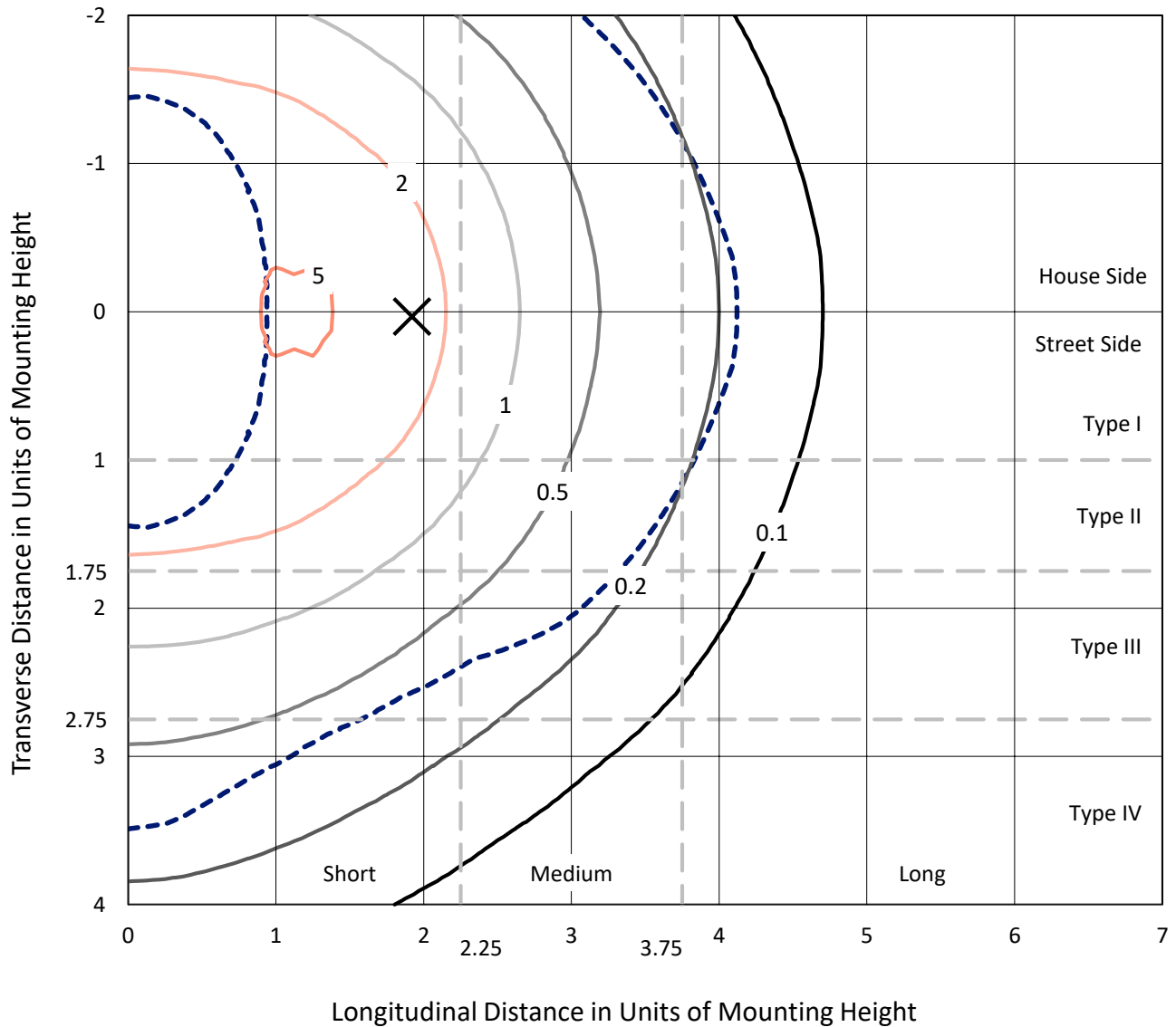


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Iso-Footcandle Lines of Horizontal Illumination

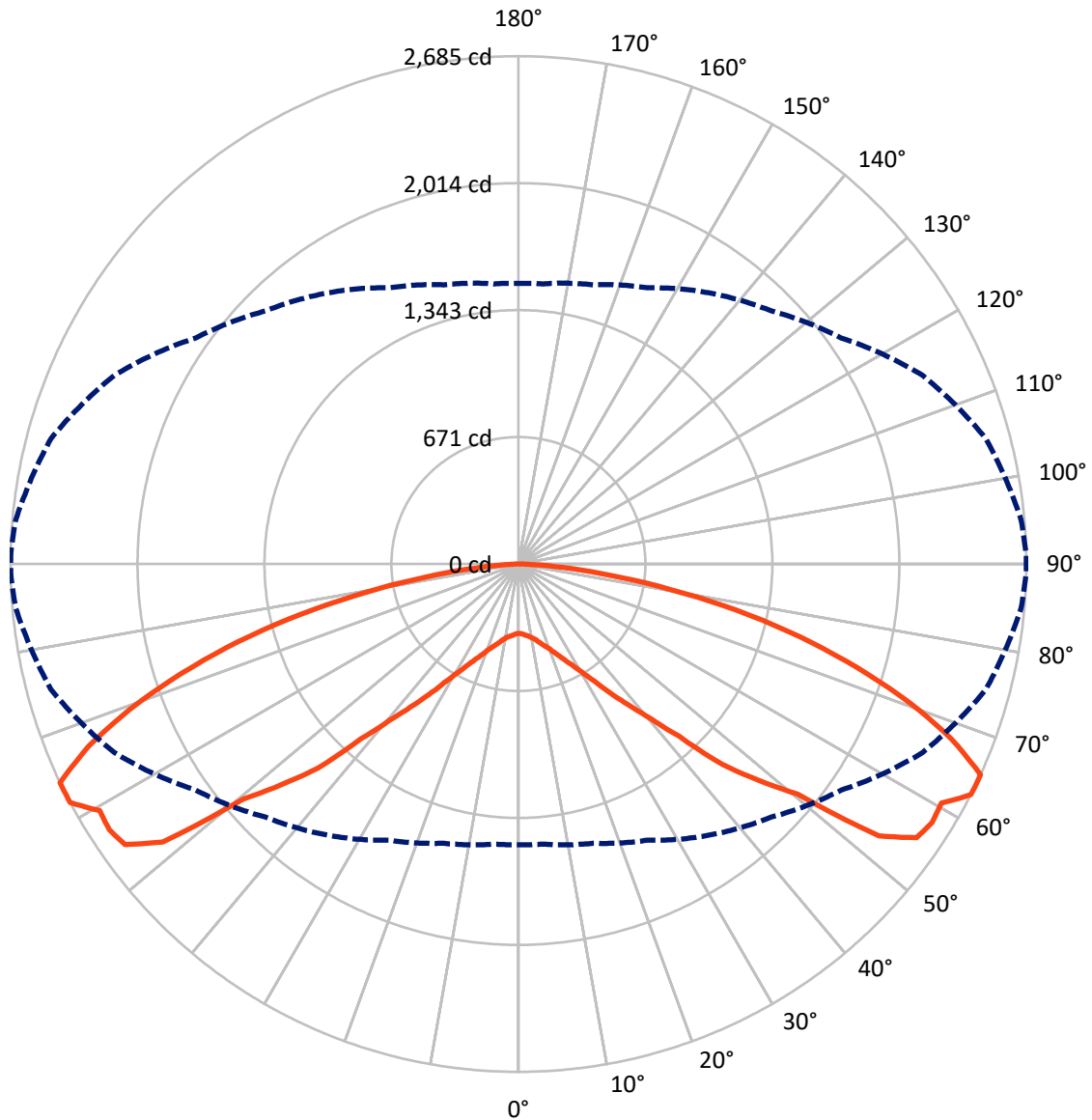
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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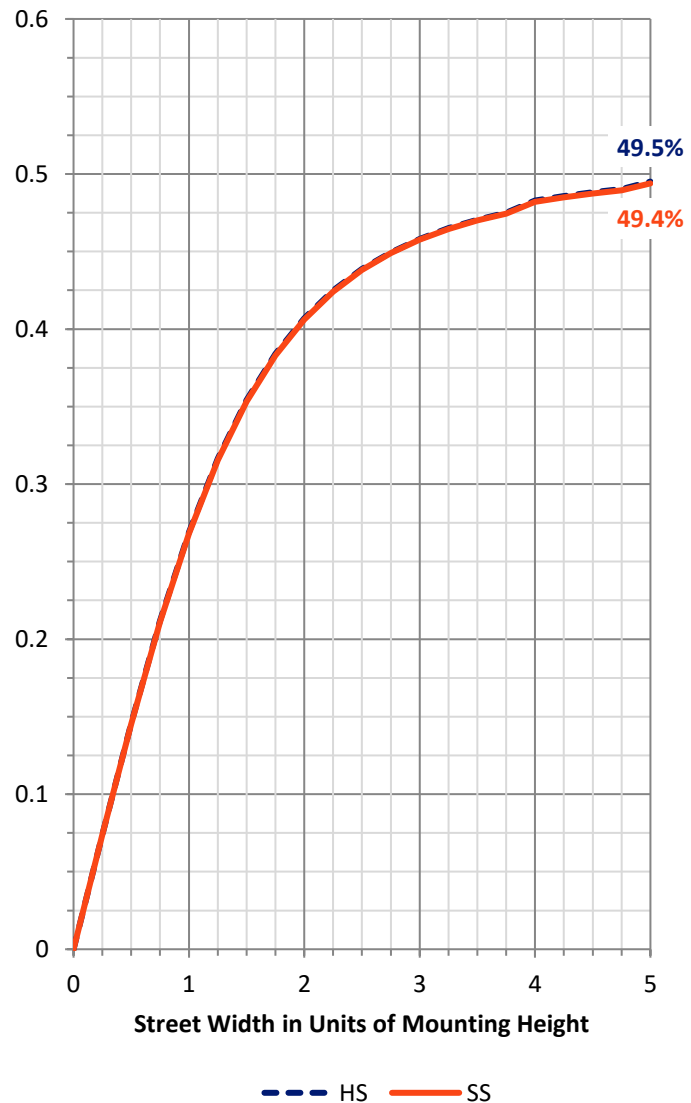
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3508.0	0.0	3508.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3508.0	0.0	3508.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7016.1	0.0	7016.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.6	0.5
10°-20°	124.9	1.8
20°-30°	265.6	3.8
30°-40°	510.3	7.3
40°-50°	944.8	13.5
50°-60°	1596.0	22.7
60°-70°	1927.6	27.5
70°-80°	1327.1	18.9
80°-90°	283.2	4.0
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°	7016.1	100.0
0°-180°	7016.1	100.0



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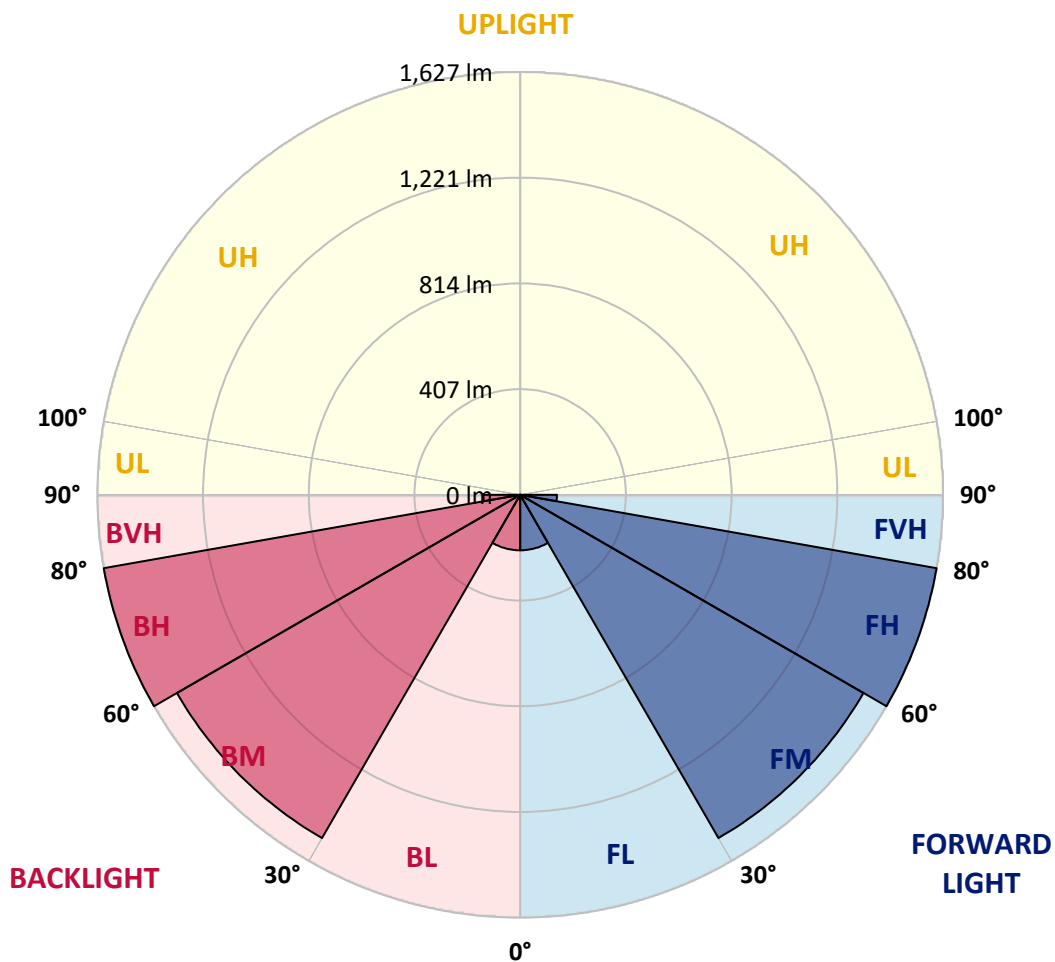
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	213.5	3.0			
FM (30°-60°)	1525.6	21.7			
FH (60°-80°)	1627.4	23.2			G1/1800
FVH (80°-90°)	141.6	2.0			G2/225
BL (0°-30°)	213.5	3.0	B1/500		
BM (30°-60°)	1525.6	21.7	B2/2500		
BH (60°-80°)	1627.4	23.2	B3/2500		G3/2500
BVH (80°-90°)	141.6	2.0			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°	89°
0°	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7
2.5°	369.8	369.8	369.8	369.8	371.3	371.3	371.3	371.3	371.3	371.3	369.8
5°	376.0	374.4	376.0	377.5	377.5	379.0	379.0	379.0	379.0	377.5	377.5
7.5°	383.6	383.6	385.2	386.7	388.2	386.7	386.7	385.2	385.2	385.2	385.2
10°	397.4	395.9	397.4	399.0	397.4	397.4	397.4	397.4	397.4	397.4	395.9
12.5°	412.8	412.8	412.8	412.8	411.2	412.8	411.2	412.8	412.8	412.8	411.2
15°	434.3	434.3	434.3	432.7	431.2	431.2	431.2	431.2	431.2	431.2	432.7
17.5°	463.4	461.9	460.3	457.3	455.7	454.2	454.2	454.2	455.7	455.7	455.7
20°	497.2	494.1	491.0	489.5	488.0	484.9	483.4	484.9	486.4	486.4	481.8
22.5°	538.6	534.0	529.4	527.9	521.7	520.2	518.7	517.1	517.1	518.7	517.1
25°	577.0	578.5	573.9	566.2	564.7	561.6	557.0	558.6	557.0	558.6	557.0
27.5°	624.5	627.6	623.0	615.3	610.7	606.1	603.1	603.1	604.6	609.2	604.6
30°	678.2	679.8	675.2	669.0	661.4	655.2	653.7	661.4	661.4	667.5	664.4
32.5°	735.0	733.5	727.4	725.8	716.6	716.6	718.1	724.3	735.0	739.6	738.1
35°	804.1	794.9	793.3	787.2	779.5	779.5	788.7	804.1	824.0	836.3	837.8
37.5°	867.0	863.9	862.4	853.2	848.6	857.8	876.2	903.8	920.7	945.3	945.3
40°	931.4	939.1	931.4	922.2	926.8	940.6	971.3	1006.6	1045.0	1071.1	1071.1
42.5°	994.4	1008.2	1000.5	992.8	1005.1	1037.3	1075.7	1135.5	1212.3	1246.0	1244.5
45°	1061.9	1072.6	1064.9	1066.5	1092.6	1132.5	1206.1	1335.0	1442.4	1511.5	1513.0
47.5°	1135.5	1137.1	1132.5	1140.1	1178.5	1255.2	1355.0	1513.0	1618.9	1701.8	1707.9
50°	1209.2	1201.5	1200.0	1218.4	1287.4	1384.1	1526.8	1680.3	1847.5	1908.9	1913.5
52.5°	1275.2	1266.0	1272.1	1302.8	1393.3	1513.0	1691.0	1951.9	2194.3	2375.4	2387.7
55°	1338.1	1327.3	1342.7	1391.8	1511.5	1672.6	1895.1	2220.4	2426.0	2544.2	2554.9
57.5°	1391.8	1388.7	1413.3	1474.7	1622.0	1818.4	2062.4	2327.8	2479.7	2568.7	2579.5
60°	1445.5	1445.5	1477.7	1557.5	1721.7	1901.2	2094.6	2326.3	2482.8	2558.0	2568.7
62.5°	1483.9	1486.9	1528.4	1611.2	1750.9	1892.0	2083.8	2358.5	2559.5	2668.5	2685.4
65°	1505.3	1511.5	1556.0	1611.2	1738.6	1882.8	2152.9	2384.6	2550.3	2665.4	2685.4
67.5°	1508.4	1520.7	1542.2	1583.6	1691.0	1813.8	2042.4	2231.2	2369.3	2456.7	2470.5
70°	1494.6	1490.0	1488.5	1499.2	1552.9	1641.9	1842.9	1991.8	2128.3	2183.6	2194.3
72.5°	1425.5	1424.0	1370.3	1336.5	1350.4	1411.7	1589.7	1704.8	1793.8	1864.4	1872.1
75°	1287.4	1275.2	1186.2	1117.1	1103.3	1158.5	1292.0	1376.4	1456.2	1522.2	1539.1
77.5°	1074.1	1043.5	952.9	871.6	845.5	886.9	986.7	1045.0	1103.3	1180.0	1180.0
80°	779.5	764.2	685.9	619.9	593.9	618.4	689.0	713.5	744.2	813.3	814.8
82.5°	503.3	486.4	434.3	392.8	369.8	385.2	414.3	425.1	451.1	492.6	491.0
85°	245.5	245.5	219.4	196.4	174.9	178.0	196.4	202.6	224.0	234.8	231.7
87.5°	61.4	67.5	59.8	55.2	49.1	49.1	55.2	55.2	67.5	67.5	64.4
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°	366.7
2.5°	369.8
5°	377.5
7.5°	385.2
10°	395.9
12.5°	412.8
15°	431.2
17.5°	457.3
20°	486.4
22.5°	517.1
25°	557.0
27.5°	609.2
30°	667.5
32.5°	736.6
35°	831.7
37.5°	945.3
40°	1072.6
42.5°	1246.0
45°	1516.1
47.5°	1701.8
50°	1908.9
52.5°	2380.0
55°	2553.4
57.5°	2581.0
60°	2571.8
62.5°	2685.4
65°	2682.3
67.5°	2467.5
70°	2198.9
72.5°	1884.4
75°	1545.2
77.5°	1172.4
80°	847.0
82.5°	494.1
85°	234.8
87.5°	70.6
90°	0.0

(END OF REPORT)