

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: P198006

Luminaire Tested: **TT-C5-LED-E1-RW-PM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P198006  
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-C5-LED-E1-RW-PM  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
RECTANGULAR DISTRIBUTION  
Light Source: (160) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7798.6 lumens  
Efficiency: N/A  
Efficacy: 101.3 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

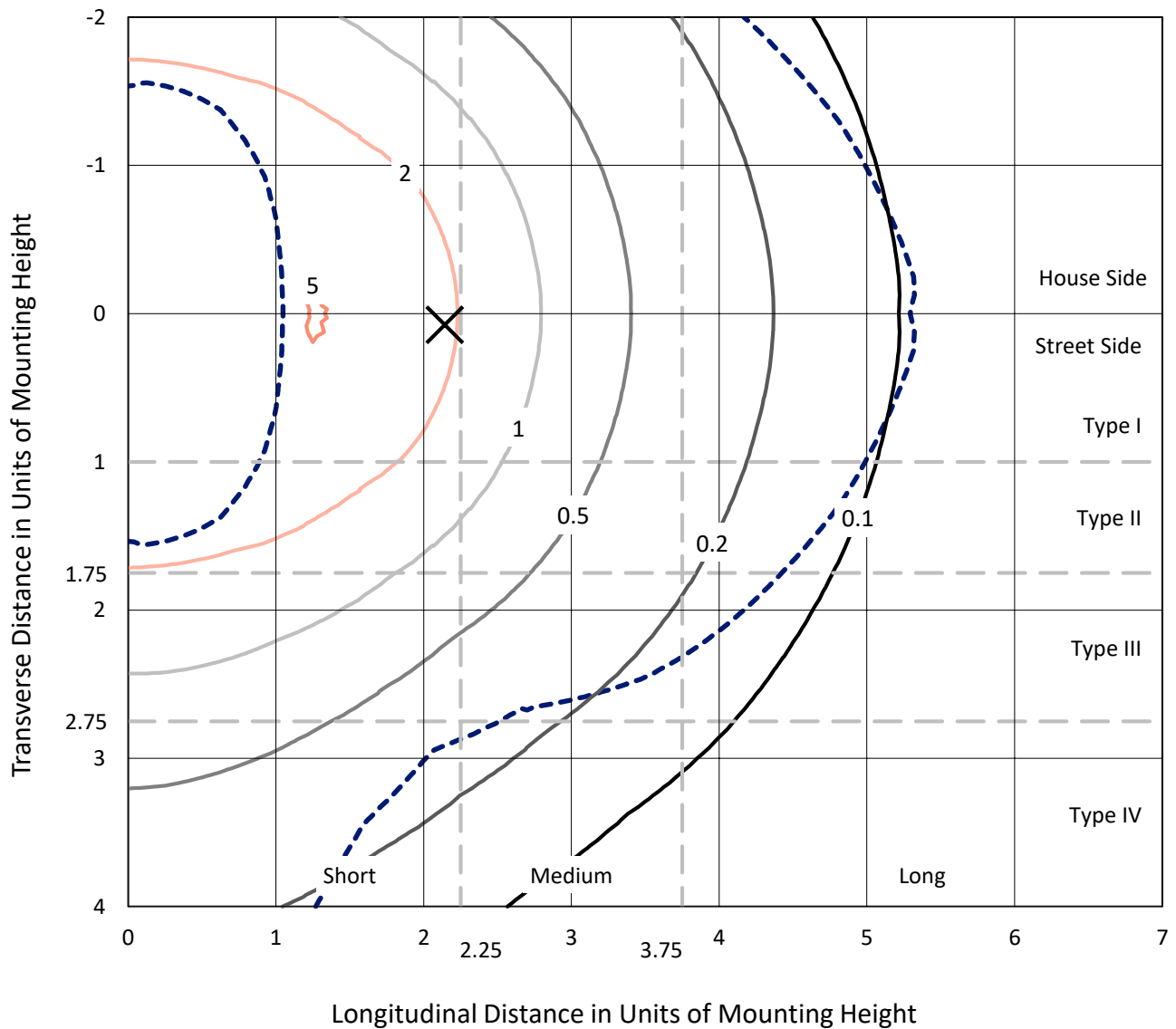


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### Iso-Footcandle Lines of Horizontal Illumination

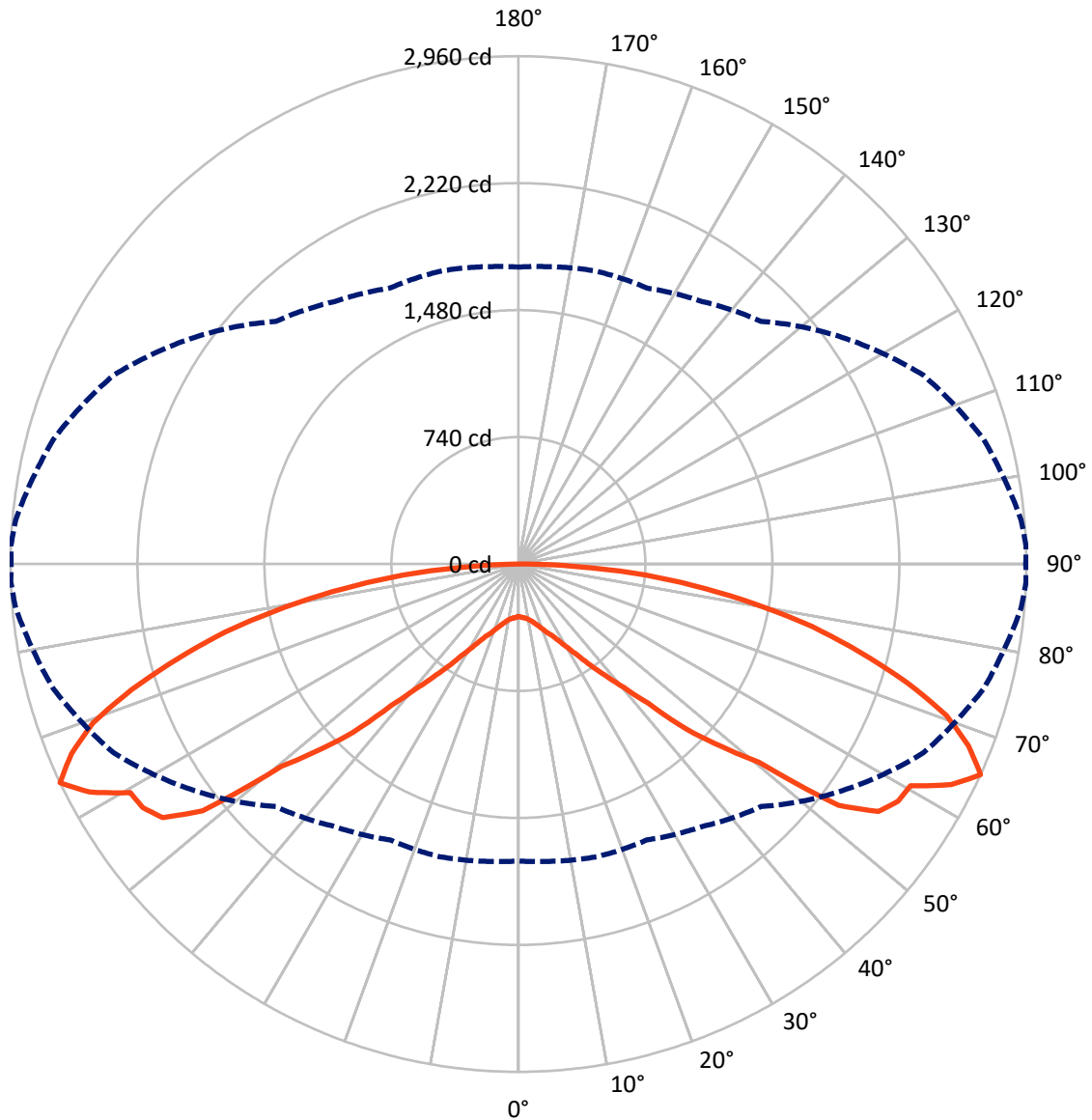
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 88-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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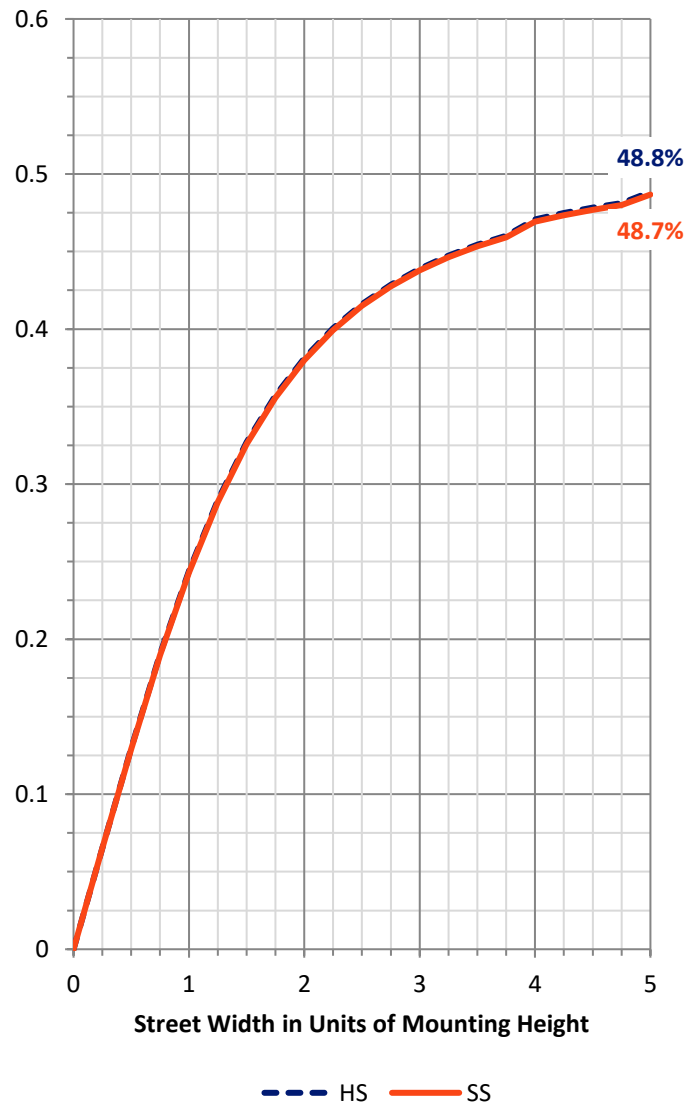
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3899.3	0.0	3899.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3899.3	0.0	3899.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7798.6	0.0	7798.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.6	0.4
10°-20°	106.2	1.4
20°-30°	234.5	3.0
30°-40°	467.4	6.0
40°-50°	894.6	11.5
50°-60°	1601.3	20.5
60°-70°	2121.9	27.2
70°-80°	1770.8	22.7
80°-90°	571.3	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°	7798.6	100.0
0°-180°	7798.6	100.0



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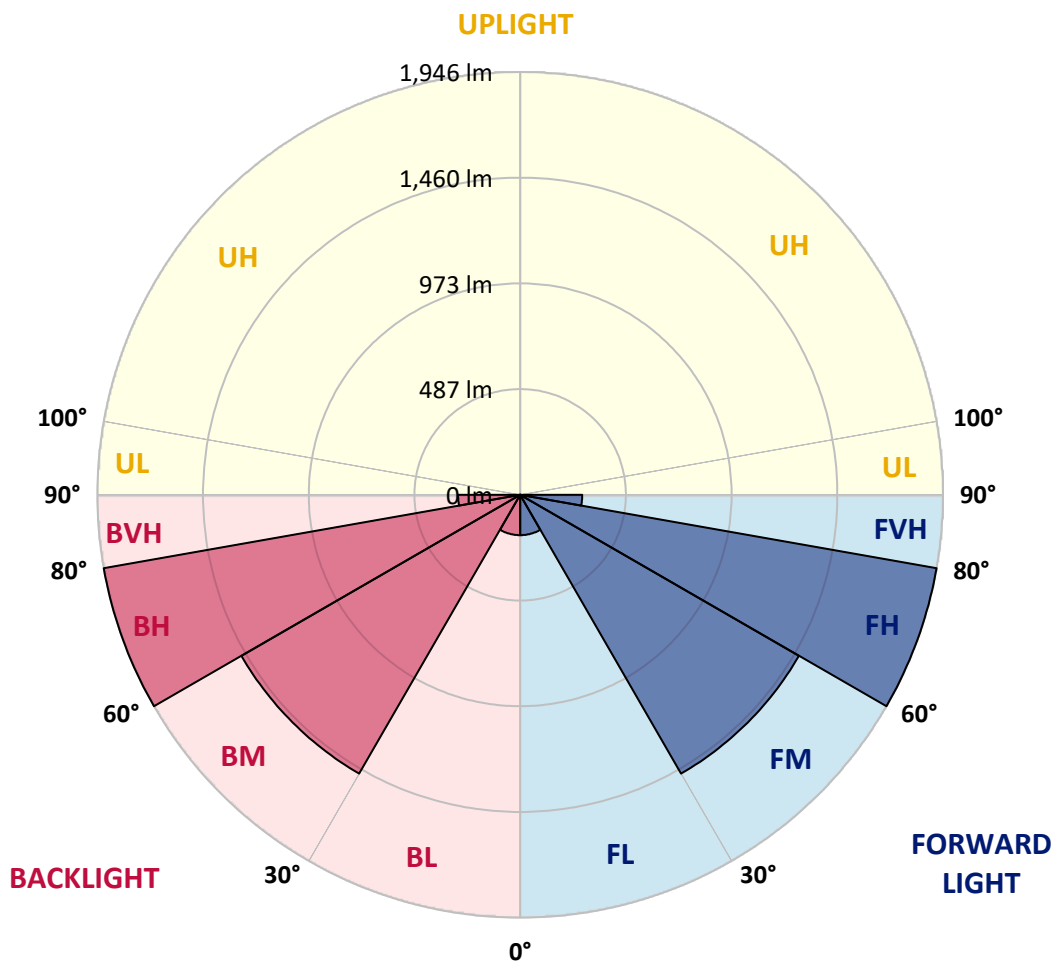
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	185.7	2.4			
FM	(30°-60°)	1481.6	19.0			
FH	(60°-80°)	1946.3	25.0			G2/5000
FVH	(80°-90°)	285.7	3.7			G3/500
BL	(0°-30°)	185.7	2.4	B1/500		
BM	(30°-60°)	1481.6	19.0	B2/2500		
BH	(60°-80°)	1946.3	25.0	B3/2500		G3/2500
BVH	(80°-90°)	285.7	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4
2.5°	308.4	308.4	308.4	308.4	310.0	310.0	310.0	310.0	310.0	310.0	310.0
5°	313.0	313.0	314.6	314.6	316.1	316.1	316.1	316.1	314.6	314.6	314.6
7.5°	320.7	322.2	323.8	323.8	323.8	322.2	320.7	320.7	319.2	319.2	319.2
10°	334.5	334.5	336.1	336.1	334.5	333.0	331.5	329.9	329.9	329.9	328.4
12.5°	351.4	351.4	352.9	351.4	348.3	346.8	343.7	342.2	342.2	340.7	340.7
15°	374.4	377.5	377.5	372.9	368.3	363.7	362.1	359.1	359.1	359.1	359.1
17.5°	409.7	408.2	402.0	397.4	394.4	386.7	383.6	382.1	379.0	379.0	379.0
20°	449.6	446.5	438.9	432.7	426.6	417.4	411.2	408.2	406.6	405.1	405.1
22.5°	494.1	489.5	478.8	474.2	461.9	452.7	445.0	438.9	434.3	432.7	435.8
25°	540.1	540.1	530.9	518.7	506.4	492.6	481.8	474.2	468.0	466.5	465.0
27.5°	589.2	592.3	580.0	567.8	554.0	535.5	524.8	514.1	512.5	511.0	509.5
30°	641.4	647.6	635.3	623.0	604.6	586.2	572.4	567.8	563.2	566.2	566.2
32.5°	705.9	708.9	695.1	685.9	661.4	643.0	630.7	627.6	629.1	627.6	632.2
35°	781.1	776.5	765.7	747.3	725.8	708.9	699.7	705.9	722.7	728.9	725.8
37.5°	863.9	847.0	840.9	817.9	797.9	784.1	787.2	802.5	816.4	827.1	824.0
40°	925.3	928.4	911.5	890.0	871.6	868.5	885.4	905.4	931.4	940.6	943.7
42.5°	988.2	1006.6	986.7	965.2	956.0	962.1	986.7	1026.6	1084.9	1115.6	1111.0
45°	1060.3	1080.3	1058.8	1041.9	1040.4	1063.4	1117.1	1221.5	1307.4	1368.8	1374.9
47.5°	1135.5	1150.9	1130.9	1120.2	1135.5	1180.0	1272.1	1411.7	1503.8	1575.9	1588.2
50°	1230.7	1224.5	1209.2	1207.6	1241.4	1322.7	1447.0	1588.2	1753.9	1801.5	1816.8
52.5°	1324.3	1301.3	1298.2	1305.9	1365.7	1457.8	1623.5	1901.2	2145.2	2317.1	2335.5
55°	1411.7	1385.7	1391.8	1411.7	1496.1	1635.8	1865.9	2205.1	2418.4	2539.6	2545.7
57.5°	1491.5	1476.2	1490.0	1517.6	1643.4	1823.0	2067.0	2346.2	2507.4	2593.3	2608.6
60°	1572.9	1569.8	1586.7	1637.3	1772.3	1931.9	2136.0	2383.1	2544.2	2610.2	2625.5
62.5°	1649.6	1660.3	1681.8	1730.9	1835.3	1959.6	2157.5	2459.8	2700.7	2805.1	2831.1
65°	1730.9	1740.1	1766.2	1773.9	1867.5	1999.4	2303.3	2604.0	2806.6	2941.6	2960.0
67.5°	1804.6	1816.8	1807.6	1801.5	1882.8	1999.4	2274.1	2538.1	2706.9	2809.7	2829.6
70°	1875.2	1861.3	1824.5	1776.9	1800.0	1879.8	2131.4	2360.1	2530.4	2627.1	2647.0
72.5°	1893.6	1875.2	1776.9	1668.0	1634.2	1694.1	1925.8	2128.3	2268.0	2358.5	2370.8
75°	1846.0	1807.6	1641.9	1491.5	1427.1	1486.9	1680.3	1853.7	1951.9	2050.1	2057.8
77.5°	1655.7	1631.2	1447.0	1264.4	1192.3	1236.8	1397.9	1520.7	1634.2	1729.4	1747.8
80°	1359.6	1338.1	1175.4	1026.6	929.9	960.6	1078.8	1177.0	1285.9	1361.1	1384.1
82.5°	1000.5	997.4	880.8	741.2	673.6	670.6	759.6	856.2	939.1	1011.2	1026.6
85°	629.1	629.1	549.3	465.0	394.4	395.9	449.6	520.2	624.5	670.6	675.2
87.5°	213.3	202.6	188.7	153.4	122.8	110.5	118.2	135.0	205.6	254.7	263.9
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°	305.4
2.5°	310.0
5°	314.6
7.5°	319.2
10°	328.4
12.5°	342.2
15°	357.5
17.5°	379.0
20°	405.1
22.5°	434.3
25°	465.0
27.5°	511.0
30°	564.7
32.5°	630.7
35°	727.4
37.5°	827.1
40°	951.4
42.5°	1123.3
45°	1359.6
47.5°	1588.2
50°	1800.0
52.5°	2297.1
55°	2551.9
57.5°	2607.1
60°	2620.9
62.5°	2817.3
65°	2957.0
67.5°	2828.1
70°	2642.4
72.5°	2361.6
75°	2070.0
77.5°	1747.8
80°	1365.7
82.5°	1026.6
85°	664.4
87.5°	256.3
90°	0.0

(END OF REPORT)