

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: P198148

Luminaire Tested: **TT-C4-LED-E1-RW-PM-SG-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P198148  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34699)  
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-PM-SG-7060  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS  
Light Source: (160) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5597 lumens  
Efficiency: N/A  
Efficacy: 96.5 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B3 - U0 - G3

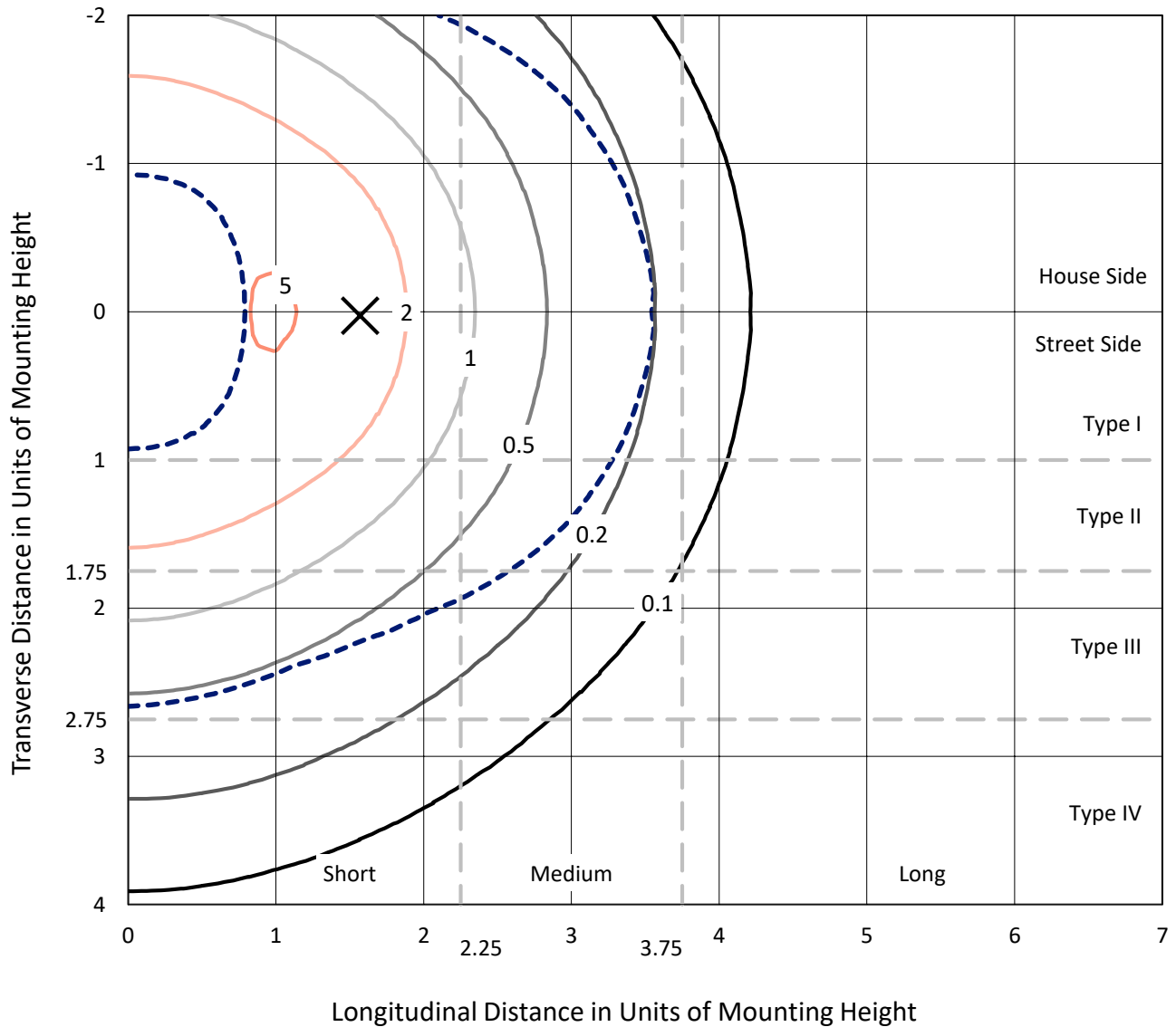
Input Watts (W): 58  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

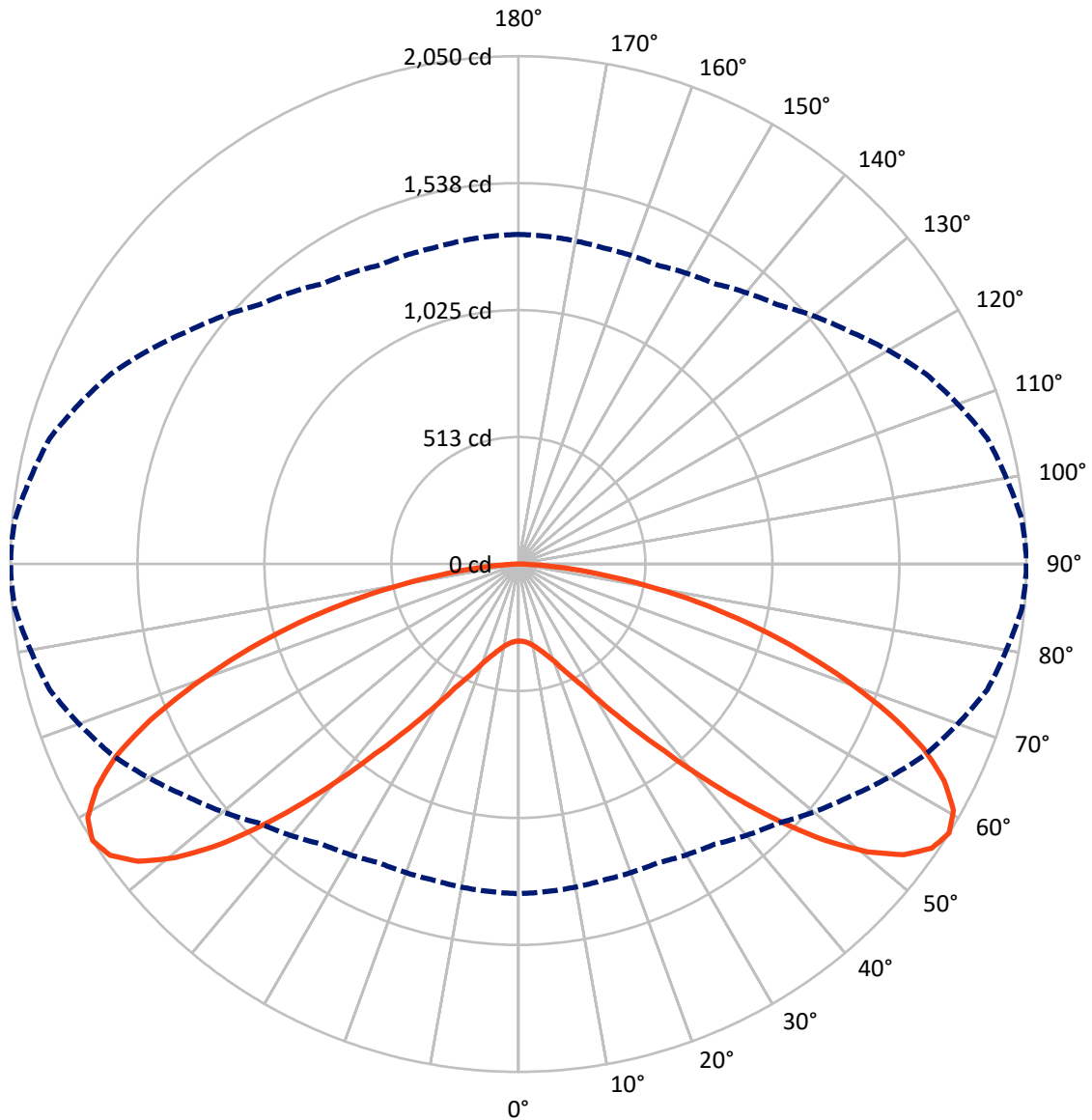
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc  
 Type III - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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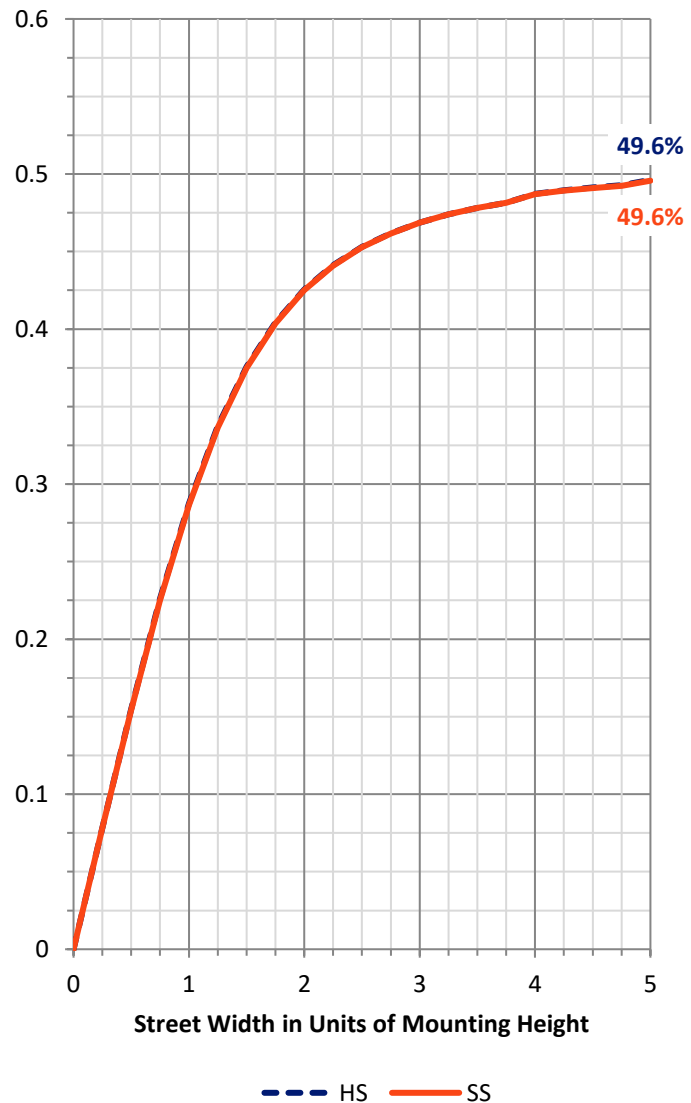
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2798.5	0.0	2798.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2798.5	0.0	2798.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5597.0	0.0	5597.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.8	0.6
10°-20°	107.8	1.9
20°-30°	241.4	4.3
30°-40°	499.6	8.9
40°-50°	948.4	16.9
50°-60°	1387.7	24.8
60°-70°	1383.6	24.7
70°-80°	823.5	14.7
80°-90°	174.2	3.1
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°	5597.0	100.0
0°-180°	5597.0	100.0



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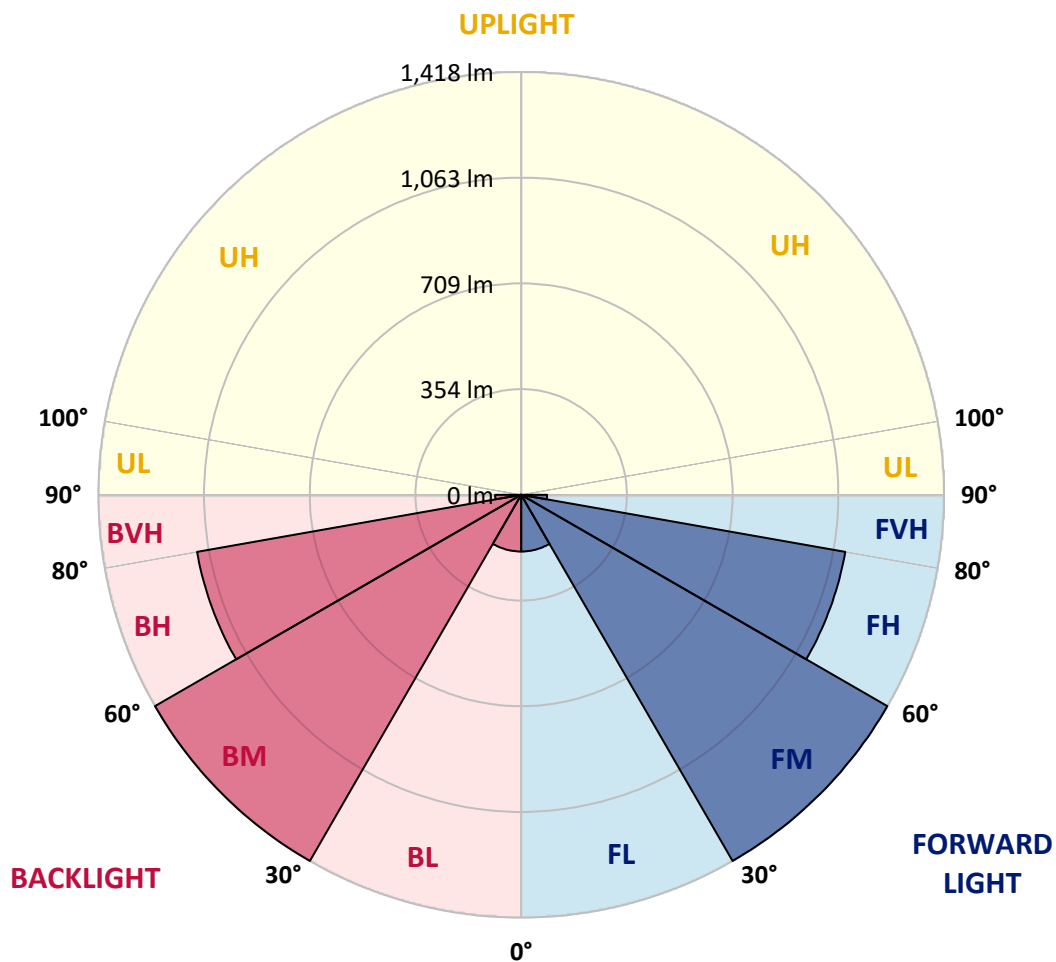
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.0	3.4			
FM (30°-60°)	1417.9	25.3			
FH (60°-80°)	1103.5	19.7			G1/1800
FVH (80°-90°)	87.1	1.6			G1/100
BL (0°-30°)	190.0	3.4	B1/500		
BM (30°-60°)	1417.9	25.3	B2/2500		
BH (60°-80°)	1103.5	19.7	B3/2500		G3/2500
BVH (80°-90°)	87.1	1.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	310.9	310.9	310.9	310.9	310.9	310.9	310.9	310.9	310.9	310.9	310.9
2.5°	313.2	313.2	313.2	313.2	312.0	312.0	312.0	312.0	312.0	312.0	312.0
5°	317.9	317.9	316.7	317.9	316.7	316.7	316.7	316.7	316.7	316.7	316.7
7.5°	324.9	324.9	324.9	324.9	324.9	324.9	323.7	324.9	323.7	323.7	323.7
10°	337.7	336.5	337.7	336.5	336.5	335.3	335.3	335.3	335.3	335.3	335.3
12.5°	354.0	354.0	354.0	352.8	351.6	351.6	350.5	350.5	350.5	349.3	350.5
15°	376.1	377.2	373.8	372.6	372.6	370.3	369.1	370.3	369.1	367.9	369.1
17.5°	402.9	404.0	401.7	399.4	397.0	395.9	394.7	393.5	393.5	393.5	392.4
20°	437.8	437.8	435.5	430.8	427.3	425.0	425.0	423.8	423.8	425.0	421.5
22.5°	477.4	476.2	473.9	471.6	466.9	462.2	459.9	458.8	458.8	461.1	462.2
25°	526.3	527.4	520.5	515.8	511.1	503.0	501.8	503.0	504.2	504.2	506.5
27.5°	576.4	578.7	572.9	565.9	558.9	555.4	553.1	555.4	557.7	561.2	560.1
30°	635.7	634.6	633.4	622.9	614.8	611.3	613.6	620.6	626.4	634.6	635.7
32.5°	699.8	702.1	694.0	685.8	682.3	678.8	682.3	697.4	713.7	718.4	724.2
35°	775.5	770.8	766.1	760.3	754.5	754.5	772.0	789.4	815.0	832.5	832.5
37.5°	852.3	848.8	840.7	832.5	832.5	844.2	861.6	904.7	942.0	967.6	957.1
40°	931.5	926.8	924.5	915.2	916.3	944.3	981.5	1035.1	1088.7	1124.8	1117.8
42.5°	1011.8	1013.0	1004.8	1001.3	1011.8	1043.3	1108.5	1180.6	1248.2	1293.6	1294.8
45°	1094.5	1094.5	1088.7	1086.3	1106.1	1153.9	1235.4	1334.3	1425.2	1477.6	1483.4
47.5°	1170.2	1169.0	1164.3	1163.2	1196.9	1254.0	1356.5	1483.4	1595.2	1653.4	1668.5
50°	1235.4	1236.5	1229.6	1235.4	1265.6	1341.3	1464.7	1618.4	1746.5	1819.9	1826.9
52.5°	1286.6	1287.8	1279.6	1284.3	1325.0	1412.4	1549.7	1722.1	1861.8	1939.8	1949.1
55°	1321.5	1316.9	1311.1	1318.0	1364.6	1461.3	1611.5	1790.8	1936.3	2017.8	2024.8
57.5°	1330.8	1327.4	1321.5	1330.8	1380.9	1479.9	1634.7	1815.2	1959.6	2041.1	2050.4
60°	1316.9	1316.9	1309.9	1320.4	1370.4	1467.1	1618.4	1793.1	1930.5	2005.0	2017.8
62.5°	1280.8	1280.8	1272.6	1280.8	1328.5	1418.2	1562.6	1724.4	1849.0	1914.2	1929.3
65°	1213.2	1212.1	1207.4	1209.8	1249.3	1334.3	1465.9	1612.6	1720.9	1779.1	1798.9
67.5°	1115.4	1112.0	1107.3	1112.0	1141.1	1216.7	1337.8	1465.9	1555.6	1611.5	1616.1
70°	990.9	987.4	981.5	979.2	1009.5	1070.0	1167.8	1280.8	1355.3	1396.1	1400.7
72.5°	843.0	847.6	843.0	836.0	855.8	909.4	990.9	1077.0	1138.7	1176.0	1181.8
75°	697.4	698.6	687.0	684.6	699.8	733.5	799.9	866.3	919.8	951.3	960.6
77.5°	540.3	540.3	529.8	524.0	532.1	561.2	606.6	660.2	704.4	724.2	740.5
80°	388.9	388.9	379.6	365.6	373.8	388.9	429.6	458.8	493.7	515.8	518.1
82.5°	243.3	239.9	242.2	231.7	234.0	238.7	264.3	284.1	305.1	316.7	317.9
85°	126.9	122.3	119.9	114.1	110.6	118.8	130.4	144.4	149.0	159.5	156.0
87.5°	39.6	37.3	36.1	36.1	32.6	34.9	36.1	38.4	44.2	44.2	46.6
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°	310.9
2.5°	312.0
5°	316.7
7.5°	323.7
10°	335.3
12.5°	349.3
15°	369.1
17.5°	393.5
20°	421.5
22.5°	458.8
25°	504.2
27.5°	557.7
30°	634.6
32.5°	720.7
35°	825.5
37.5°	968.7
40°	1116.6
42.5°	1302.9
45°	1483.4
47.5°	1668.5
50°	1823.4
52.5°	1945.6
55°	2028.3
57.5°	2050.4
60°	2014.3
62.5°	1925.8
65°	1796.6
67.5°	1616.1
70°	1407.7
72.5°	1178.3
75°	950.1
77.5°	735.9
80°	518.1
82.5°	327.2
85°	156.0
87.5°	50.1
90°	0.0

(END OF REPORT)