

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: P197978

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197978  
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-PM-MS/DIM  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
RECTANGULAR DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR  
Light Source: (160) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5627.2 lumens  
Efficiency: N/A  
Efficacy: 97.0 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G3

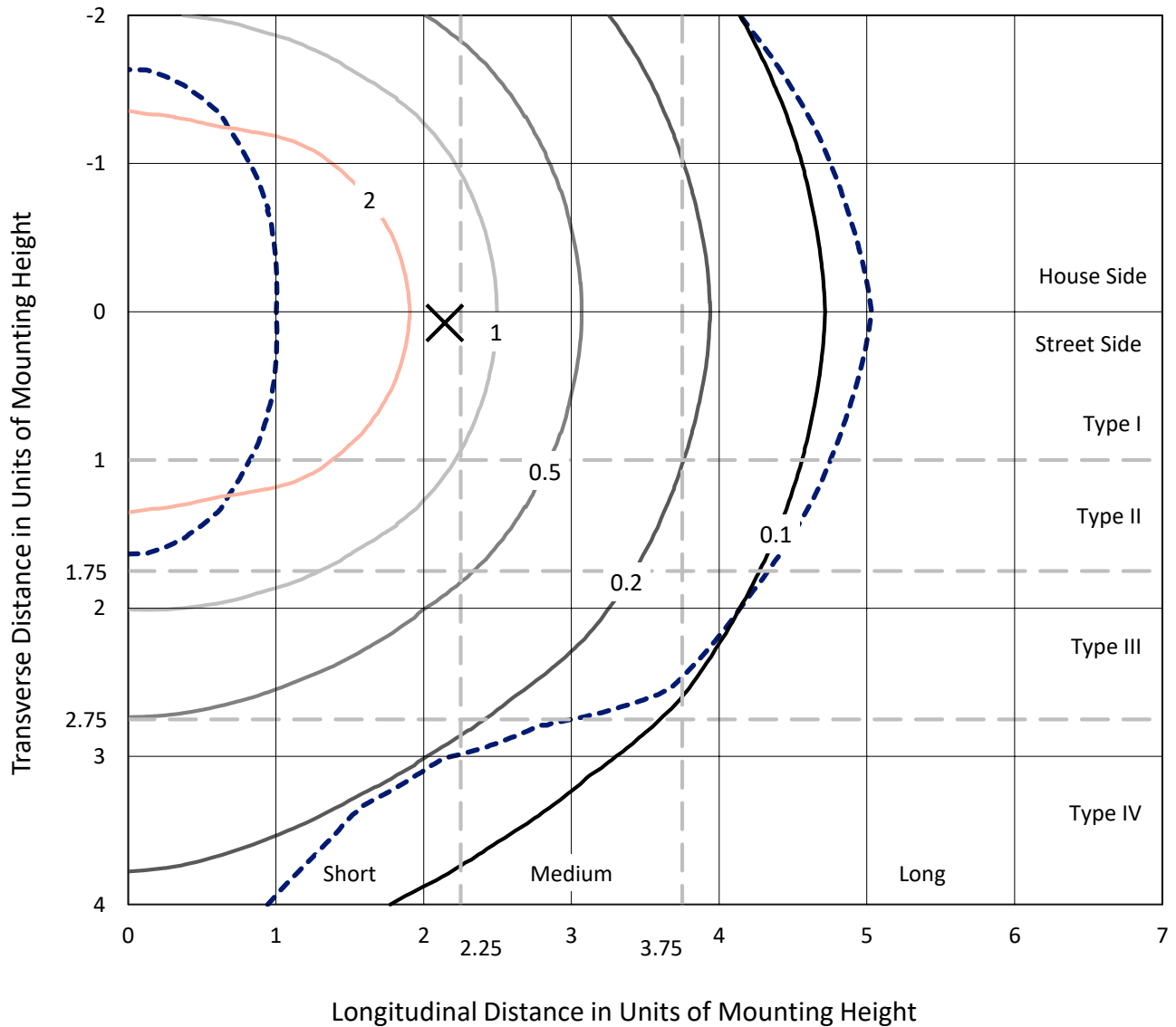
Input Watts (W): 58  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

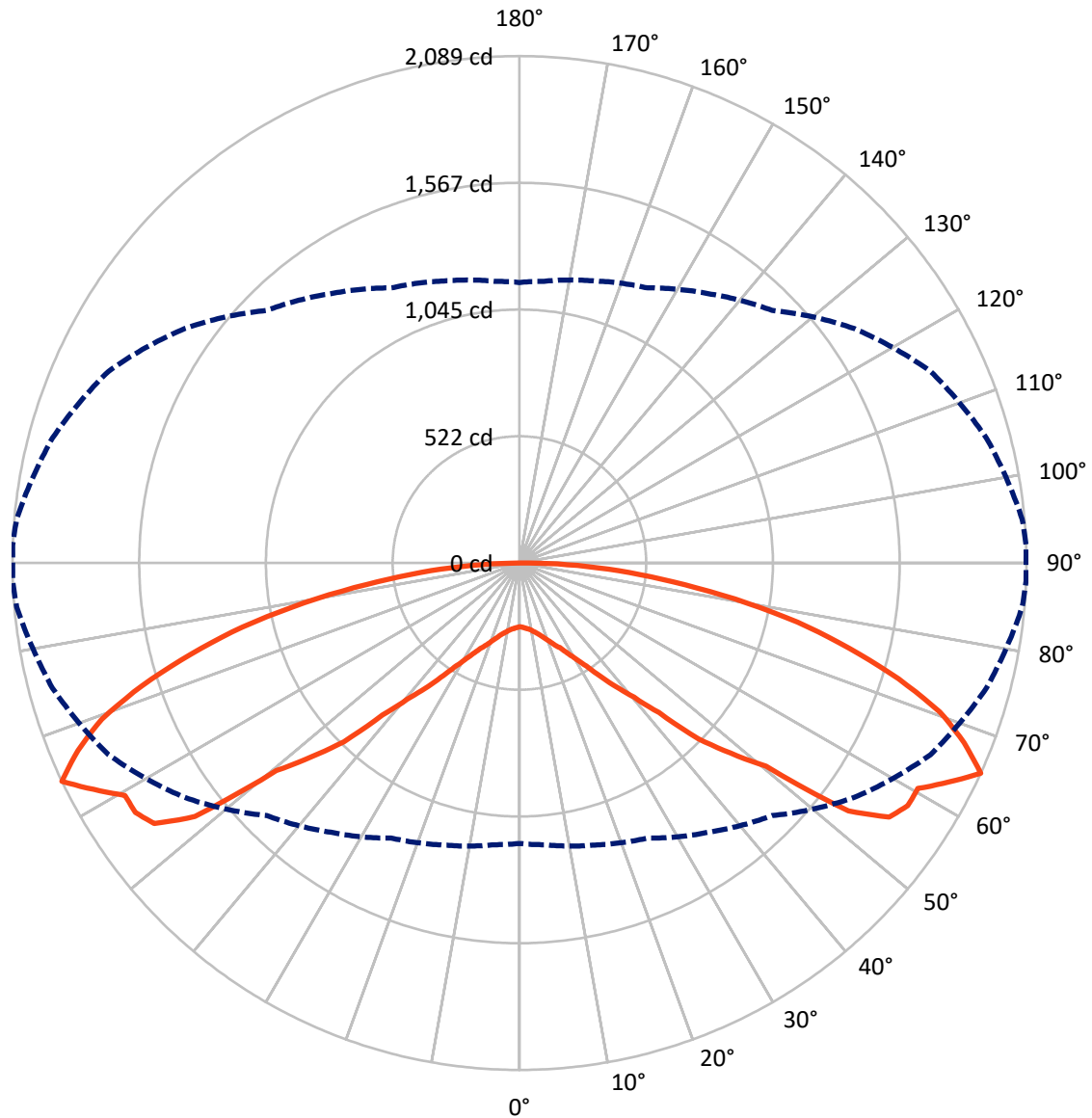
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 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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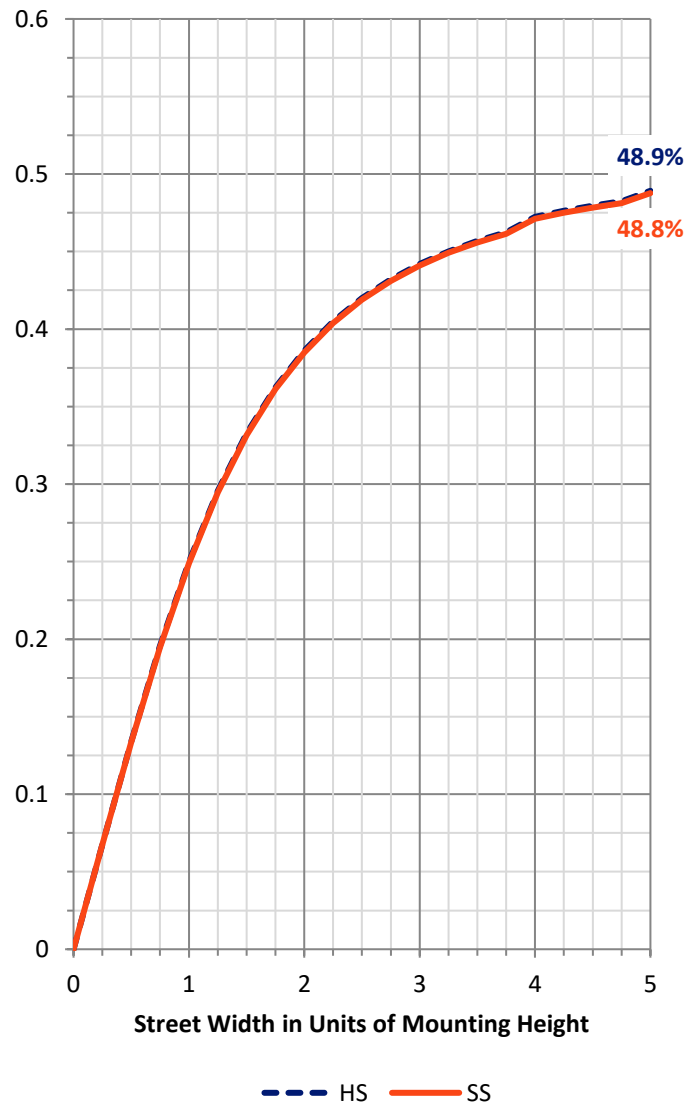
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2813.6	0.0	2813.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2813.6	0.0	2813.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5627.2	0.0	5627.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.2	0.5
10°-20°	89.7	1.6
20°-30°	190.5	3.4
30°-40°	363.9	6.5
40°-50°	669.0	11.9
50°-60°	1158.7	20.6
60°-70°	1507.5	26.8
70°-80°	1235.4	22.0
80°-90°	386.2	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°	5627.2	100.0
0°-180°	5627.2	100.0

**Coefficient of Utilization**



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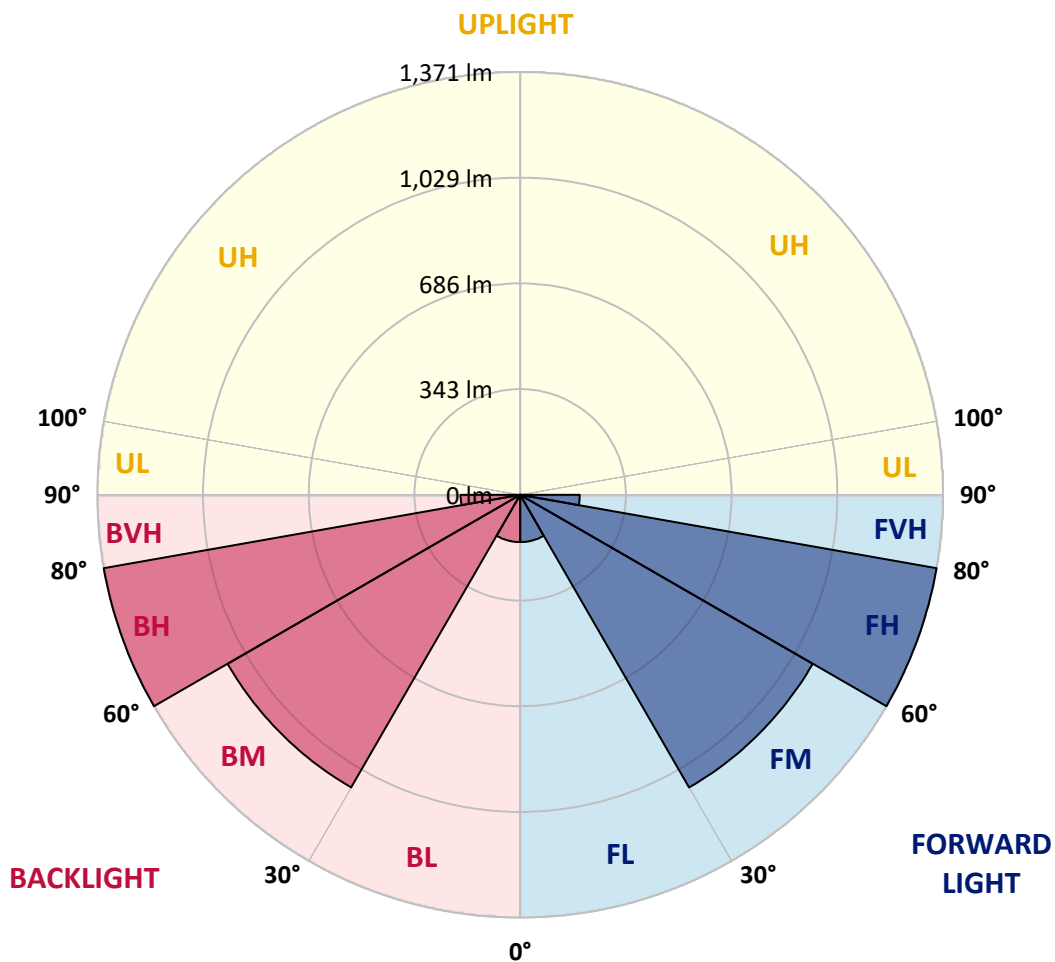
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.2	2.7			
FM	(30°-60°)	1095.9	19.5			
FH	(60°-80°)	1371.4	24.4			G1/1800
FVH	(80°-90°)	193.1	3.4			G2/225
BL	(0°-30°)	153.2	2.7	B1/500		
BM	(30°-60°)	1095.9	19.5	B2/2500		
BH	(60°-80°)	1371.4	24.4	B3/2500		G3/2500
BVH	(80°-90°)	193.1	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°	262.9	262.9	262.9	262.9	262.9	262.9	262.9	262.9	262.9	262.9	262.9
2.5°	265.3	265.3	265.3	265.3	265.3	265.3	265.3	265.3	265.3	265.3	265.3
5°	270.0	270.0	270.0	271.2	271.2	271.2	271.2	271.2	270.0	270.0	270.0
7.5°	276.0	276.0	277.2	277.2	277.2	277.2	276.0	276.0	274.8	274.8	274.8
10°	285.4	285.4	286.6	286.6	285.4	284.3	284.3	284.3	283.1	283.1	283.1
12.5°	298.5	298.5	299.7	298.5	297.3	296.1	296.1	294.9	293.7	293.7	293.7
15°	316.2	316.2	315.1	312.7	310.3	310.3	306.8	306.8	306.8	306.8	305.6
17.5°	339.9	338.7	334.0	332.8	329.3	326.9	324.5	323.3	322.2	322.2	323.3
20°	366.0	363.6	357.7	357.7	351.8	348.2	345.8	343.5	343.5	342.3	341.1
22.5°	396.8	394.4	387.3	384.9	379.0	373.1	370.7	364.8	363.6	363.6	364.8
25°	427.6	428.8	422.8	418.1	409.8	403.9	395.6	392.0	388.5	388.5	386.1
27.5°	463.1	464.3	457.2	451.3	444.2	432.3	427.6	422.8	419.3	421.7	419.3
30°	501.0	503.4	497.5	490.3	479.7	467.8	461.9	460.7	457.2	459.6	458.4
32.5°	544.8	543.6	540.1	533.0	518.8	509.3	504.6	503.4	505.7	506.9	505.7
35°	595.8	591.0	587.5	576.8	563.8	556.7	551.9	556.7	567.3	574.4	572.1
37.5°	649.1	642.0	638.4	626.6	614.7	611.2	617.1	626.6	637.2	646.7	646.7
40°	692.9	695.2	687.0	676.3	666.8	670.4	681.0	697.6	718.9	728.4	727.2
42.5°	736.7	743.8	735.5	724.9	726.0	736.7	752.1	782.9	830.3	844.5	843.3
45°	775.8	791.2	784.1	777.0	787.6	805.4	846.9	915.6	980.7	1029.3	1032.8
47.5°	826.7	835.0	831.5	831.5	848.0	889.5	952.3	1048.2	1116.9	1163.1	1170.2
50°	884.8	876.5	877.6	888.3	929.8	991.4	1076.6	1166.6	1289.8	1311.1	1317.1
52.5°	933.3	919.1	927.4	947.5	1007.9	1086.1	1192.7	1377.5	1535.0	1677.1	1697.3
55°	983.1	966.5	983.1	1015.0	1103.9	1212.8	1369.2	1583.6	1749.4	1838.2	1848.9
57.5°	1021.0	1018.6	1042.3	1088.5	1197.4	1343.1	1519.6	1703.2	1814.5	1877.3	1886.8
60°	1068.3	1070.7	1097.9	1159.5	1289.8	1429.6	1561.1	1729.2	1839.4	1876.1	1886.8
62.5°	1113.3	1122.8	1154.8	1224.7	1338.4	1445.0	1571.7	1775.4	1915.2	1994.5	1987.4
65°	1156.0	1165.5	1203.4	1250.7	1355.0	1472.2	1684.2	1869.0	1992.2	2079.8	2089.3
67.5°	1198.6	1210.5	1225.9	1263.8	1364.4	1474.6	1658.2	1813.3	1912.8	1973.2	1976.8
70°	1235.3	1234.2	1230.6	1241.3	1304.0	1389.3	1559.9	1683.0	1776.6	1826.4	1838.2
72.5°	1240.1	1236.5	1195.1	1164.3	1184.4	1251.9	1415.4	1513.7	1584.7	1626.2	1634.5
75°	1201.0	1180.9	1099.1	1032.8	1029.3	1096.8	1234.2	1305.2	1347.9	1401.2	1404.7
77.5°	1074.3	1051.8	960.6	870.5	870.5	914.4	1029.3	1067.2	1120.5	1160.7	1171.4
80°	865.8	863.4	768.7	697.6	671.6	708.3	801.8	816.1	856.3	890.7	901.3
82.5°	626.6	608.8	556.7	496.3	474.9	498.6	562.6	576.8	592.2	623.0	636.0
85°	379.0	380.2	344.7	310.3	283.1	291.4	341.1	361.2	381.4	401.5	408.6
87.5°	136.2	157.5	123.2	109.0	94.8	90.0	105.4	130.3	152.8	181.2	196.6
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°	262.9
2.5°	265.3
5°	268.9
7.5°	274.8
10°	283.1
12.5°	293.7
15°	305.6
17.5°	321.0
20°	341.1
22.5°	362.4
25°	387.3
27.5°	421.7
30°	457.2
32.5°	505.7
35°	578.0
37.5°	646.7
40°	730.8
42.5°	848.0
45°	1037.5
47.5°	1169.0
50°	1327.7
52.5°	1680.7
55°	1852.4
57.5°	1889.1
60°	1886.8
62.5°	2006.4
65°	2088.1
67.5°	1979.2
70°	1842.9
72.5°	1630.9
75°	1413.0
77.5°	1177.3
80°	906.1
82.5°	631.3
85°	425.2
87.5°	175.3
90°	0.0

(END OF REPORT)