

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: P198003

Luminaire Tested: **TT-C4-LED-E1-RW-PM-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P198003  
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-C4-LED-E1-RW-PM-7050  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
RECTANGULAR DISTRIBUTION  
Light Source: (160) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5962.4 lumens  
Efficiency: N/A  
Efficacy: 102.8 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

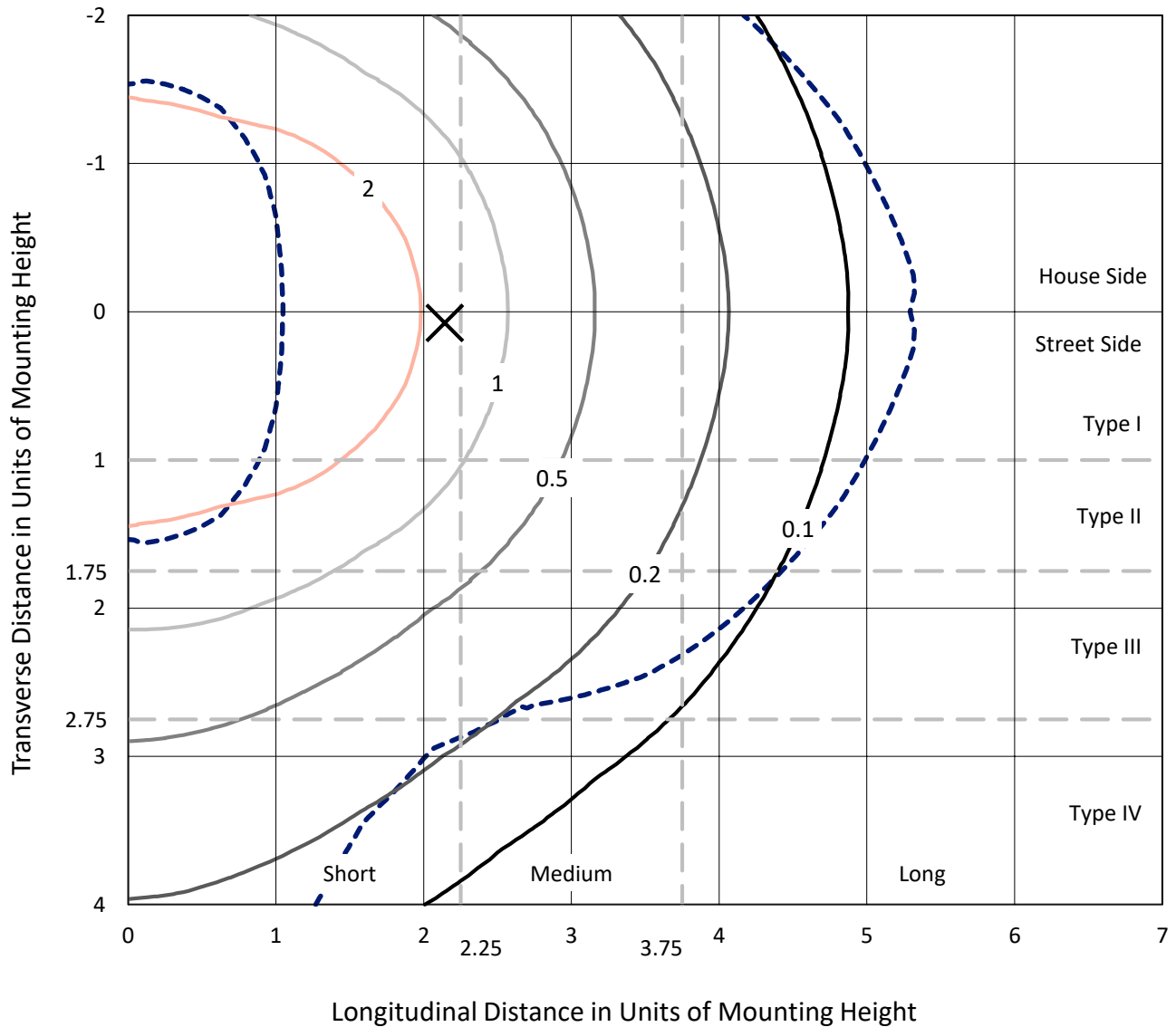


REPORT NUMBER: P198003

CATALOG NUMBER: TT-C4-LED-E1-RW-PM-7050

### Iso-Footcandle Lines of Horizontal Illumination

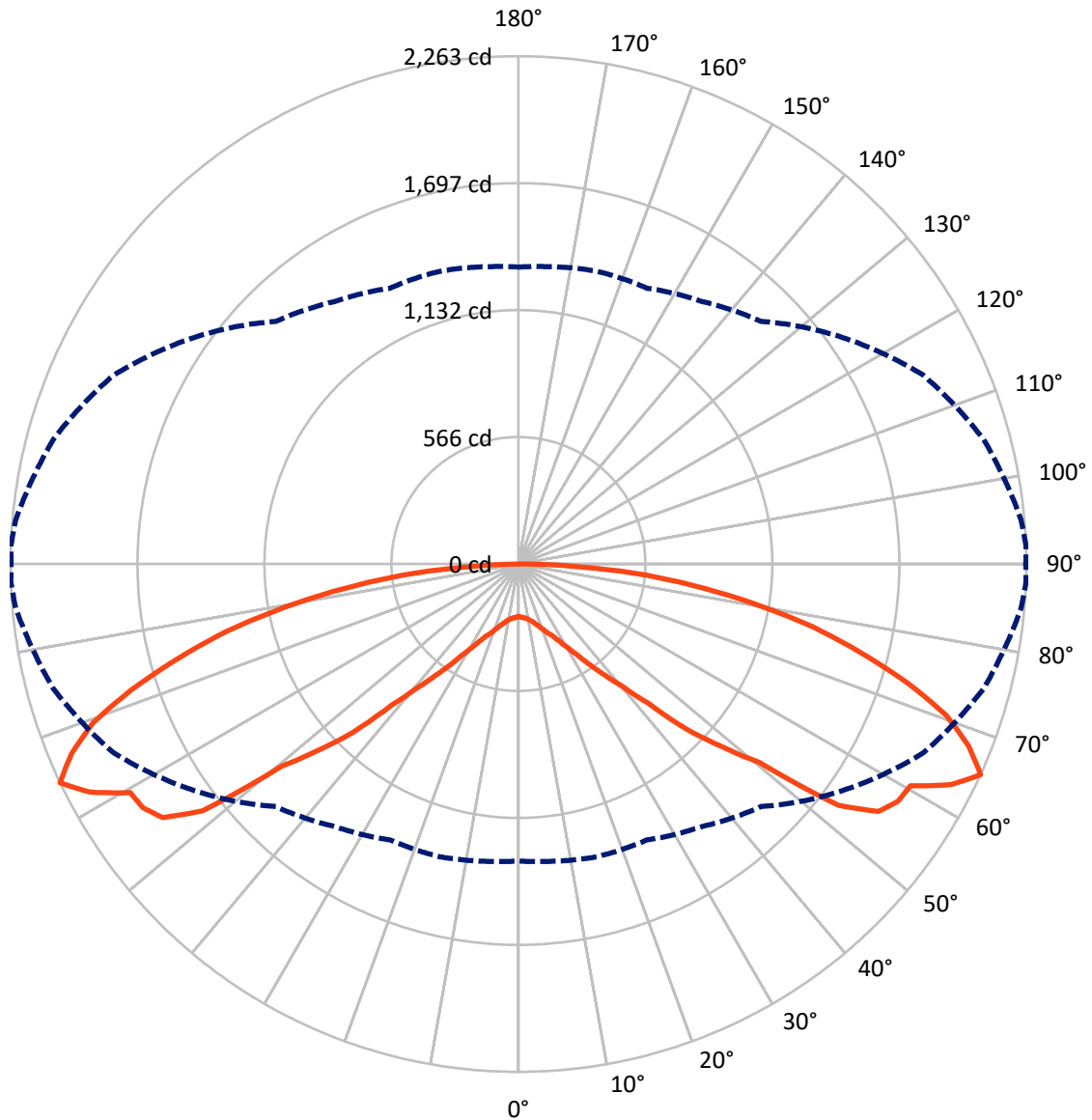
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc  
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P198003  
CATALOG NUMBER: TT-C4-LED-E1-RW-PM-7050

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P198003

CATALOG NUMBER: TT-C4-LED-E1-RW-PM-7050

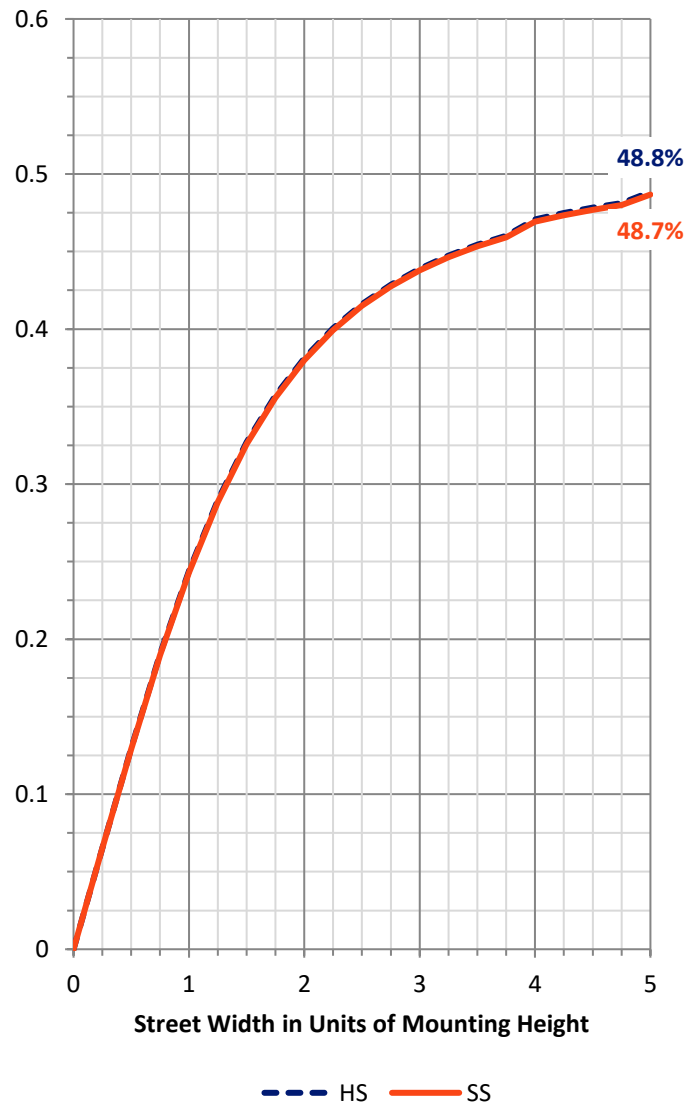
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2981.2	0.0	2981.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2981.2	0.0	2981.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5962.4	0.0	5962.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.4	0.4
10°-20°	81.2	1.4
20°-30°	179.3	3.0
30°-40°	357.3	6.0
40°-50°	684.0	11.5
50°-60°	1224.3	20.5
60°-70°	1622.3	27.2
70°-80°	1353.8	22.7
80°-90°	436.8	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°	5962.4	100.0
0°-180°	5962.4	100.0



REPORT NUMBER: P198003

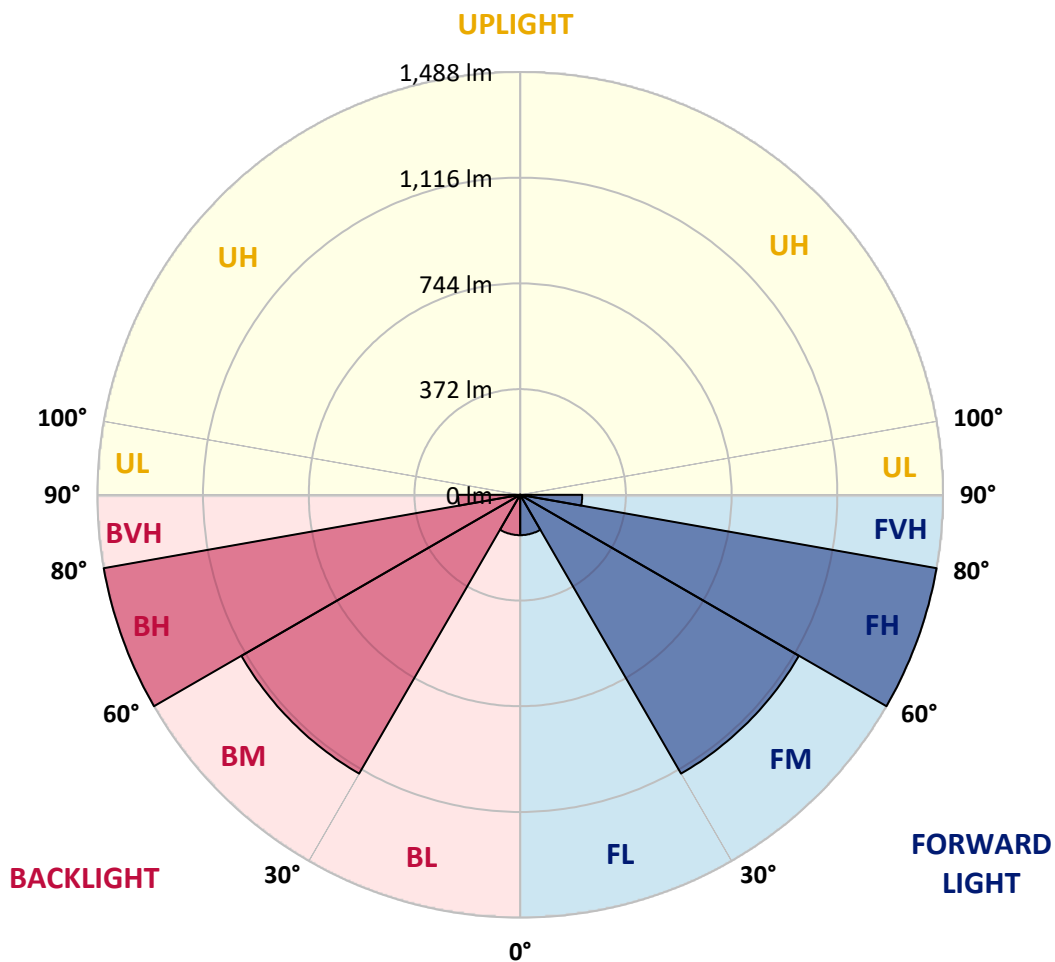
CATALOG NUMBER: TT-C4-LED-E1-RW-PM-7050

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	141.9	2.4			
FM	(30°-60°)	1132.8	19.0			
FH	(60°-80°)	1488.1	25.0			G1/1800
FVH	(80°-90°)	218.4	3.7			G2/225
BL	(0°-30°)	141.9	2.4	B1/500		
BM	(30°-60°)	1132.8	19.0	B2/2500		
BH	(60°-80°)	1488.1	25.0	B3/2500		G3/2500
BVH	(80°-90°)	218.4	3.7			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





REPORT NUMBER: P198003

CATALOG NUMBER: TT-C4-LED-E1-RW-PM-7050

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	233.5	233.5	233.5	233.5	233.5	233.5	233.5	233.5	233.5	233.5	233.5
2.5°	235.8	235.8	235.8	235.8	237.0	237.0	237.0	237.0	237.0	237.0	237.0
5°	239.3	239.3	240.5	240.5	241.7	241.7	241.7	241.7	240.5	240.5	240.5
7.5°	245.2	246.4	247.5	247.5	247.5	246.4	245.2	245.2	244.0	244.0	244.0
10°	255.8	255.8	256.9	256.9	255.8	254.6	253.4	252.2	252.2	252.2	251.1
12.5°	268.7	268.7	269.8	268.7	266.3	265.1	262.8	261.6	261.6	260.5	260.5
15°	286.3	288.6	288.6	285.1	281.6	278.0	276.9	274.5	274.5	274.5	274.5
17.5°	313.2	312.1	307.4	303.9	301.5	295.6	293.3	292.1	289.8	289.8	289.8
20°	343.7	341.4	335.5	330.8	326.2	319.1	314.4	312.1	310.9	309.7	309.7
22.5°	377.8	374.3	366.0	362.5	353.1	346.1	340.2	335.5	332.0	330.8	333.2
25°	413.0	413.0	405.9	396.5	387.2	376.6	368.4	362.5	357.8	356.7	355.5
27.5°	450.5	452.9	443.5	434.1	423.5	409.4	401.2	393.0	391.9	390.7	389.5
30°	490.4	495.1	485.7	476.3	462.2	448.2	437.6	434.1	430.6	432.9	432.9
32.5°	539.7	542.0	531.5	524.4	505.7	491.6	482.2	479.8	481.0	479.8	483.4
35°	597.2	593.6	585.4	571.4	554.9	542.0	535.0	539.7	552.6	557.3	554.9
37.5°	660.5	647.6	642.9	625.3	610.1	599.5	601.9	613.6	624.1	632.4	630.0
40°	707.4	709.8	696.9	680.5	666.4	664.0	676.9	692.2	712.1	719.2	721.5
42.5°	755.5	769.6	754.4	737.9	730.9	735.6	754.4	784.9	829.5	852.9	849.4
45°	810.7	825.9	809.5	796.6	795.4	813.0	854.1	933.9	999.6	1046.5	1051.2
47.5°	868.2	879.9	864.7	856.4	868.2	902.2	972.6	1079.3	1149.7	1204.9	1214.3
50°	940.9	936.2	924.5	923.3	949.1	1011.3	1106.3	1214.3	1341.0	1377.3	1389.1
52.5°	1012.5	994.9	992.5	998.4	1044.2	1114.5	1241.3	1453.6	1640.1	1771.5	1785.6
55°	1079.3	1059.4	1064.1	1079.3	1143.9	1250.6	1426.6	1685.9	1849.0	1941.7	1946.3
57.5°	1140.4	1128.6	1139.2	1160.3	1256.5	1393.8	1580.3	1793.8	1917.0	1982.7	1994.4
60°	1202.5	1200.2	1213.1	1251.8	1355.1	1477.1	1633.1	1822.0	1945.2	1995.6	2007.4
62.5°	1261.2	1269.4	1285.8	1323.4	1403.2	1498.2	1649.5	1880.6	2064.8	2144.6	2164.6
65°	1323.4	1330.4	1350.4	1356.2	1427.8	1528.7	1761.0	1990.9	2145.8	2249.0	2263.1
67.5°	1379.7	1389.1	1382.0	1377.3	1439.5	1528.7	1738.7	1940.5	2069.5	2148.1	2163.4
70°	1433.7	1423.1	1394.9	1358.6	1376.2	1437.2	1629.6	1804.4	1934.6	2008.5	2023.8
72.5°	1447.7	1433.7	1358.6	1275.3	1249.5	1295.2	1472.4	1627.2	1734.0	1803.2	1812.6
75°	1411.4	1382.0	1255.3	1140.4	1091.1	1136.8	1284.7	1417.2	1492.3	1567.4	1573.3
77.5°	1265.9	1247.1	1106.3	966.7	911.6	945.6	1068.8	1162.6	1249.5	1322.2	1336.3
80°	1039.5	1023.0	898.7	784.9	711.0	734.4	824.8	899.8	983.1	1040.6	1058.2
82.5°	764.9	762.6	673.4	566.7	515.0	512.7	580.7	654.6	718.0	773.1	784.9
85°	481.0	481.0	420.0	355.5	301.5	302.7	343.7	397.7	477.5	512.7	516.2
87.5°	163.1	154.9	144.3	117.3	93.9	84.5	90.3	103.2	157.2	194.8	201.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P198003

CATALOG NUMBER: TT-C4-LED-E1-RW-PM-7050

**CANDELA DISTRIBUTION (continued):**

	90°
0°	233.5
2.5°	237.0
5°	240.5
7.5°	244.0
10°	251.1
12.5°	261.6
15°	273.4
17.5°	289.8
20°	309.7
22.5°	332.0
25°	355.5
27.5°	390.7
30°	431.7
32.5°	482.2
35°	556.1
37.5°	632.4
40°	727.4
42.5°	858.8
45°	1039.5
47.5°	1214.3
50°	1376.2
52.5°	1756.3
55°	1951.0
57.5°	1993.3
60°	2003.8
62.5°	2154.0
65°	2260.8
67.5°	2162.2
70°	2020.3
72.5°	1805.6
75°	1582.7
77.5°	1336.3
80°	1044.2
82.5°	784.9
85°	508.0
87.5°	195.9
90°	0.0

(END OF REPORT)