

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: P197983

Luminaire Tested: **TT-C5-LED-E1-RW-PM-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197983
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-C5-LED-E1-RW-PM-MS/DIM-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7221.5 lumens
Efficiency: N/A
Efficacy: 93.8 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): 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

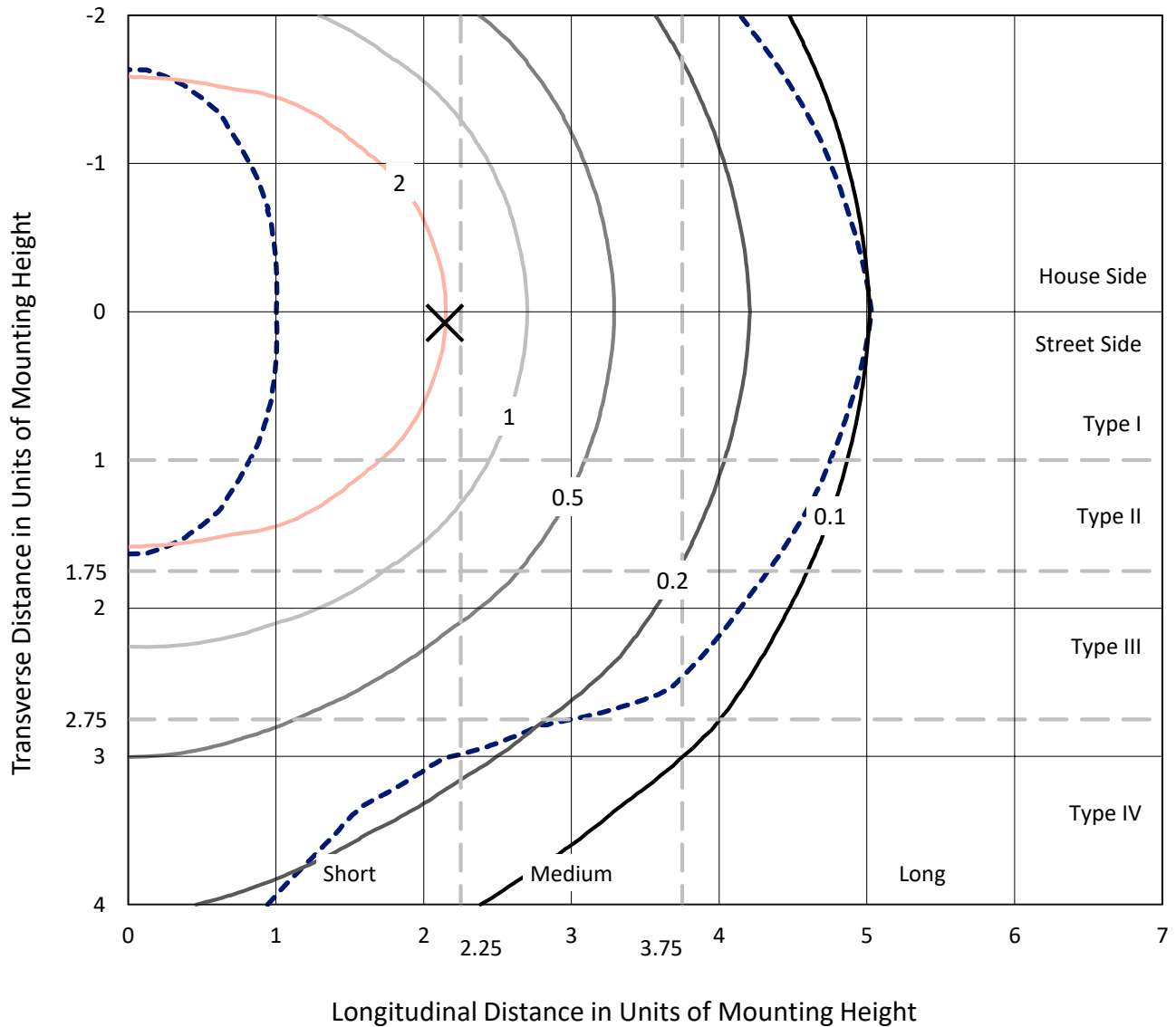


REPORT NUMBER: P197983

CATALOG NUMBER: TT-C5-LED-E1-RW-PM-MS/DIM-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

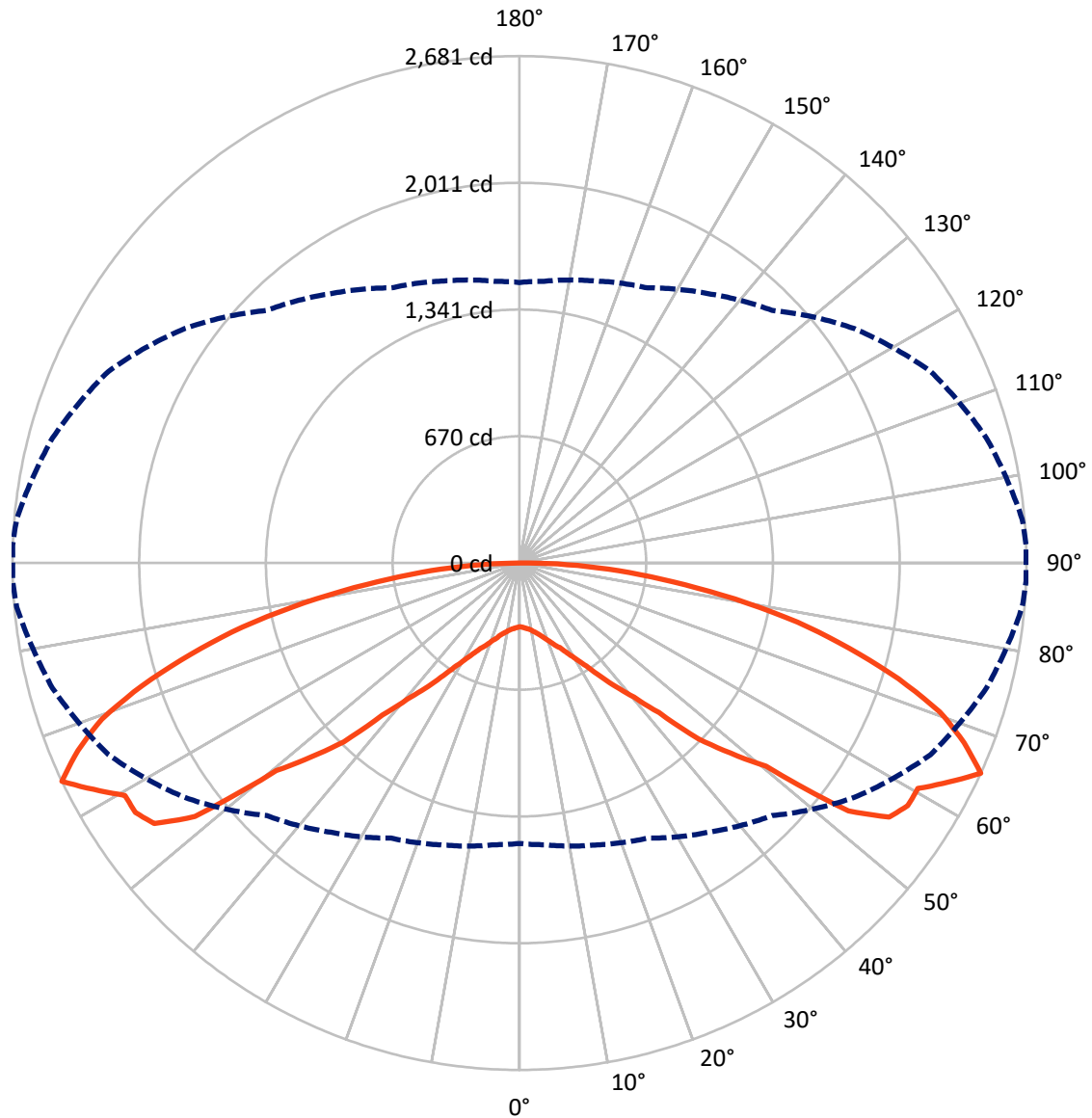


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P197983

CATALOG NUMBER: TT-C5-LED-E1-RW-PM-MS/DIM-7050

Luminous Intensity Polar Plot



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

REPORT NUMBER: P197983

CATALOG NUMBER: TT-C5-LED-E1-RW-PM-MS/DIM-7050

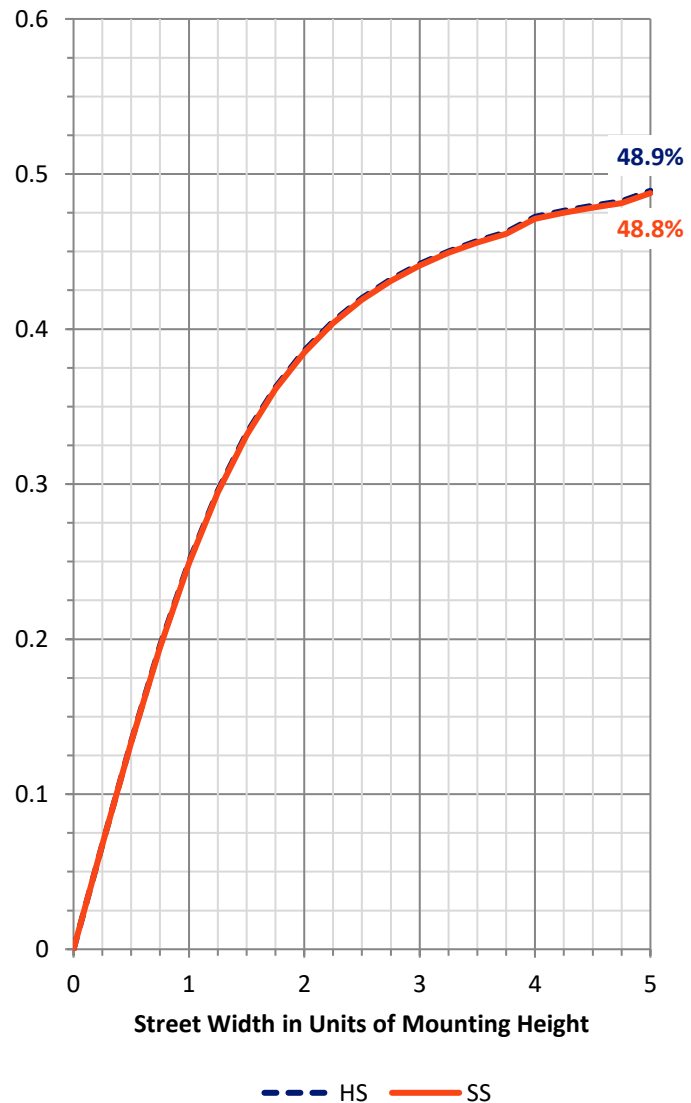
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3610.8	0.0	3610.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3610.8	0.0	3610.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	7221.5	0.0	7221.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.7	0.5
10°-20°	115.1	1.6
20°-30°	244.5	3.4
30°-40°	467.1	6.5
40°-50°	858.6	11.9
50°-60°	1487.0	20.6
60°-70°	1934.5	26.8
70°-80°	1585.4	22.0
80°-90°	495.6	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°	7221.5	100.0
0°-180°	7221.5	100.0



REPORT NUMBER: P197983

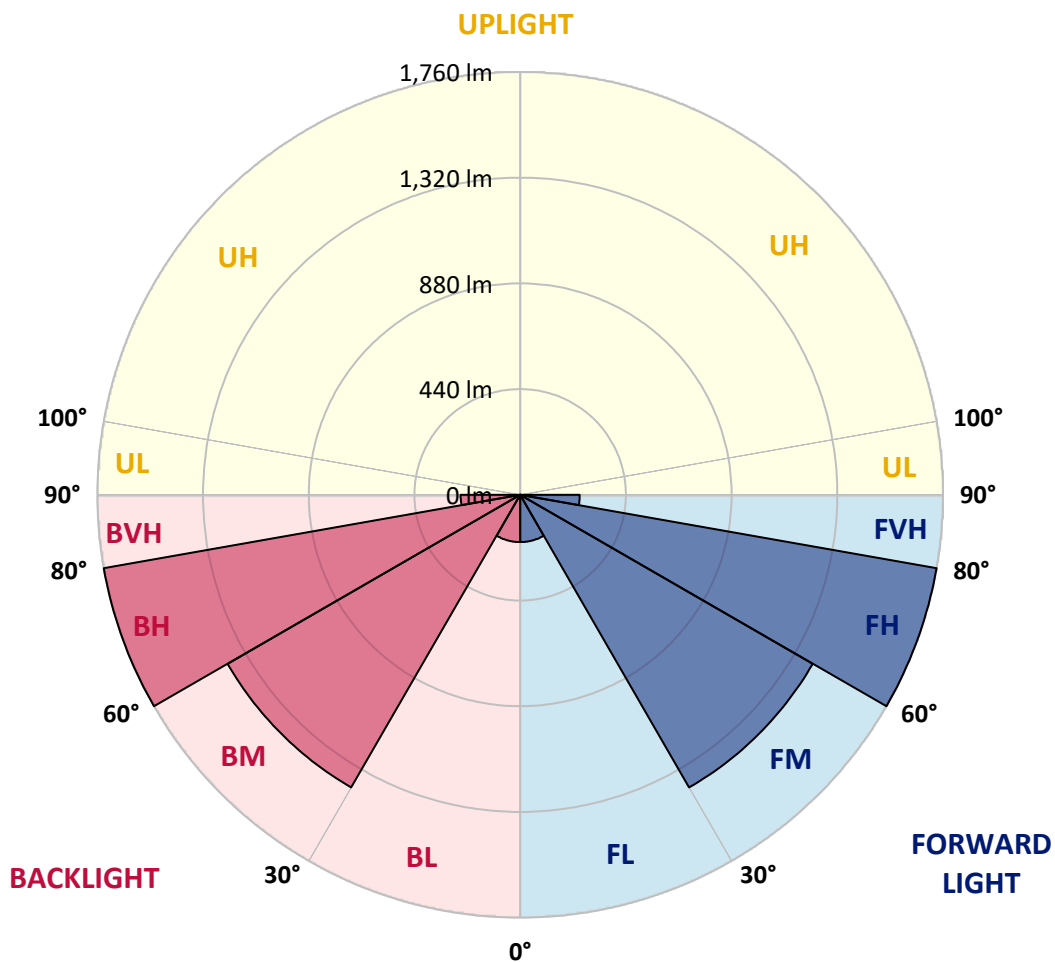
CATALOG NUMBER: TT-C5-LED-E1-RW-PM-MS/DIM-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	196.6	2.7			
FM	(30°-60°)	1406.3	19.5			
FH	(60°-80°)	1760.0	24.4			G1/1800
FVH	(80°-90°)	247.8	3.4			G3/500
BL	(0°-30°)	196.6	2.7	B1/500		
BM	(30°-60°)	1406.3	19.5	B2/2500		
BH	(60°-80°)	1760.0	24.4	B3/2500		G3/2500
BVH	(80°-90°)	247.8	3.4			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





REPORT NUMBER: P197983

CATALOG NUMBER: TT-C5-LED-E1-RW-PM-MS/DIM-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	337.4	337.4	337.4	337.4	337.4	337.4	337.4	337.4	337.4	337.4	337.4
2.5°	340.5	340.5	340.5	340.5	340.5	340.5	340.5	340.5	340.5	340.5	340.5
5°	346.6	346.6	346.6	348.1	348.1	348.1	348.1	348.1	346.6	346.6	346.6
7.5°	354.2	354.2	355.7	355.7	355.7	355.7	354.2	354.2	352.6	352.6	352.6
10°	366.3	366.3	367.8	367.8	366.3	364.8	364.8	364.8	363.3	363.3	363.3
12.5°	383.0	383.0	384.6	383.0	381.5	380.0	380.0	378.5	377.0	377.0	377.0
15°	405.8	405.8	404.3	401.3	398.2	398.2	393.7	393.7	393.7	393.7	392.2
17.5°	436.2	434.7	428.6	427.1	422.6	419.5	416.5	415.0	413.4	413.4	415.0
20°	469.7	466.6	459.0	459.0	451.4	446.9	443.8	440.8	440.8	439.3	437.8
22.5°	509.2	506.2	497.0	494.0	486.4	478.8	475.8	468.2	466.6	466.6	468.2
25°	548.7	550.2	542.6	536.6	525.9	518.3	507.7	503.1	498.6	498.6	495.5
27.5°	594.3	595.8	586.7	579.1	570.0	554.8	548.7	542.6	538.1	541.1	538.1
30°	643.0	646.0	638.4	629.3	615.6	600.4	592.8	591.3	586.7	589.8	588.2
32.5°	699.2	697.7	693.1	684.0	665.8	653.6	647.5	646.0	649.0	650.6	649.0
35°	764.5	758.5	753.9	740.2	723.5	714.4	708.3	714.4	728.1	737.2	734.1
37.5°	832.9	823.8	819.3	804.1	788.9	784.3	791.9	804.1	817.7	829.9	829.9
40°	889.2	892.2	881.6	867.9	855.7	860.3	874.0	895.3	922.6	934.8	933.3
42.5°	945.4	954.5	943.9	930.2	931.7	945.4	965.2	1004.7	1065.5	1083.7	1082.2
45°	995.6	1015.3	1006.2	997.1	1010.8	1033.6	1086.8	1174.9	1258.5	1320.9	1325.4
47.5°	1060.9	1071.6	1067.0	1067.0	1088.3	1141.5	1222.1	1345.2	1433.3	1492.6	1501.7
50°	1135.4	1124.8	1126.3	1140.0	1193.2	1272.2	1381.7	1497.2	1655.3	1682.6	1690.2
52.5°	1197.7	1179.5	1190.1	1216.0	1293.5	1393.8	1530.6	1767.7	1969.9	2152.3	2178.1
55°	1261.6	1240.3	1261.6	1302.6	1416.6	1556.5	1757.1	2032.2	2245.0	2359.0	2372.7
57.5°	1310.2	1307.2	1337.6	1396.9	1536.7	1723.7	1950.1	2185.7	2328.6	2409.2	2421.3
60°	1371.0	1374.1	1409.0	1488.1	1655.3	1834.6	2003.3	2219.2	2360.5	2407.6	2421.3
62.5°	1428.8	1440.9	1482.0	1571.7	1717.6	1854.4	2017.0	2278.4	2457.8	2559.6	2550.5
65°	1483.5	1495.7	1544.3	1605.1	1738.9	1889.3	2161.4	2398.5	2556.6	2669.1	2681.2
67.5°	1538.2	1553.4	1573.2	1621.8	1751.0	1892.4	2128.0	2327.1	2454.8	2532.3	2536.8
70°	1585.3	1583.8	1579.3	1592.9	1673.5	1782.9	2001.8	2159.9	2280.0	2343.8	2359.0
72.5°	1591.4	1586.9	1533.7	1494.1	1520.0	1606.6	1816.4	1942.5	2033.7	2086.9	2097.6
75°	1541.3	1515.4	1410.5	1325.4	1320.9	1407.5	1583.8	1675.0	1729.7	1798.1	1802.7
77.5°	1378.6	1349.7	1232.7	1117.2	1117.2	1173.4	1320.9	1369.5	1437.9	1489.6	1503.3
80°	1111.1	1108.1	986.5	895.3	861.8	908.9	1029.0	1047.3	1098.9	1143.0	1156.7
82.5°	804.1	781.3	714.4	636.9	609.5	639.9	722.0	740.2	760.0	799.5	816.2
85°	486.4	487.9	442.3	398.2	363.3	373.9	437.8	463.6	489.4	515.3	524.4
87.5°	174.8	202.2	158.1	139.8	121.6	115.5	135.3	167.2	196.1	232.6	252.3
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: P197983

CATALOG NUMBER: TT-C5-LED-E1-RW-PM-MS/DIM-7050

CANDELA DISTRIBUTION (continued):

	90°
0°	337.4
2.5°	340.5
5°	345.0
7.5°	352.6
10°	363.3
12.5°	377.0
15°	392.2
17.5°	411.9
20°	437.8
22.5°	465.1
25°	497.0
27.5°	541.1
30°	586.7
32.5°	649.0
35°	741.7
37.5°	829.9
40°	937.8
42.5°	1088.3
45°	1331.5
47.5°	1500.2
50°	1703.9
52.5°	2156.8
55°	2377.2
57.5°	2424.4
60°	2421.3
62.5°	2574.8
65°	2679.7
67.5°	2539.9
70°	2365.1
72.5°	2093.0
75°	1813.3
77.5°	1510.9
80°	1162.8
82.5°	810.1
85°	545.7
87.5°	225.0
90°	0.0

(END OF REPORT)