

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: P197981

Luminaire Tested: **TT-C5-LED-E1-RW-PM-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197981
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-8030
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5498.3 lumens
Efficiency: N/A
Efficacy: 71.4 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

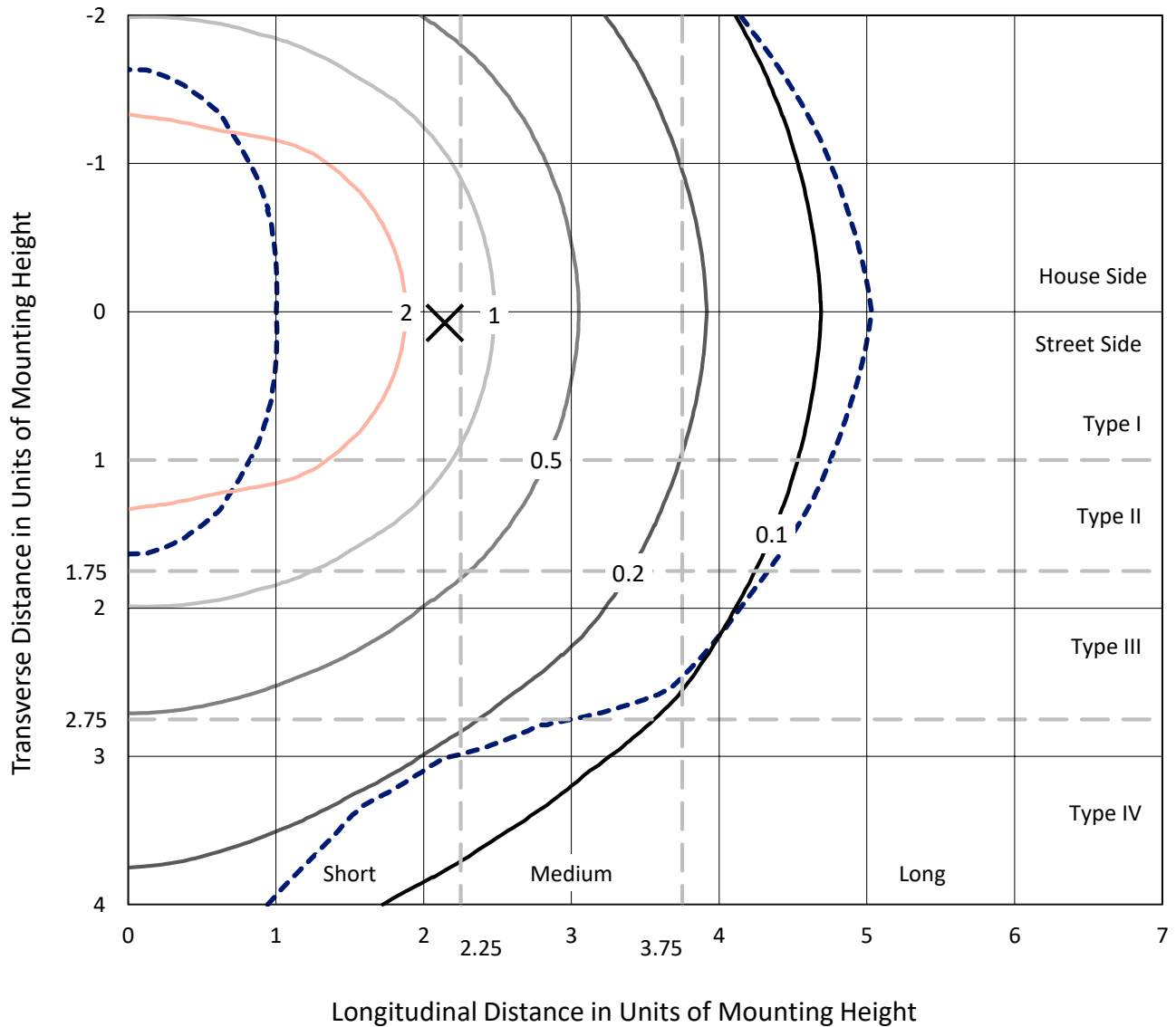


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

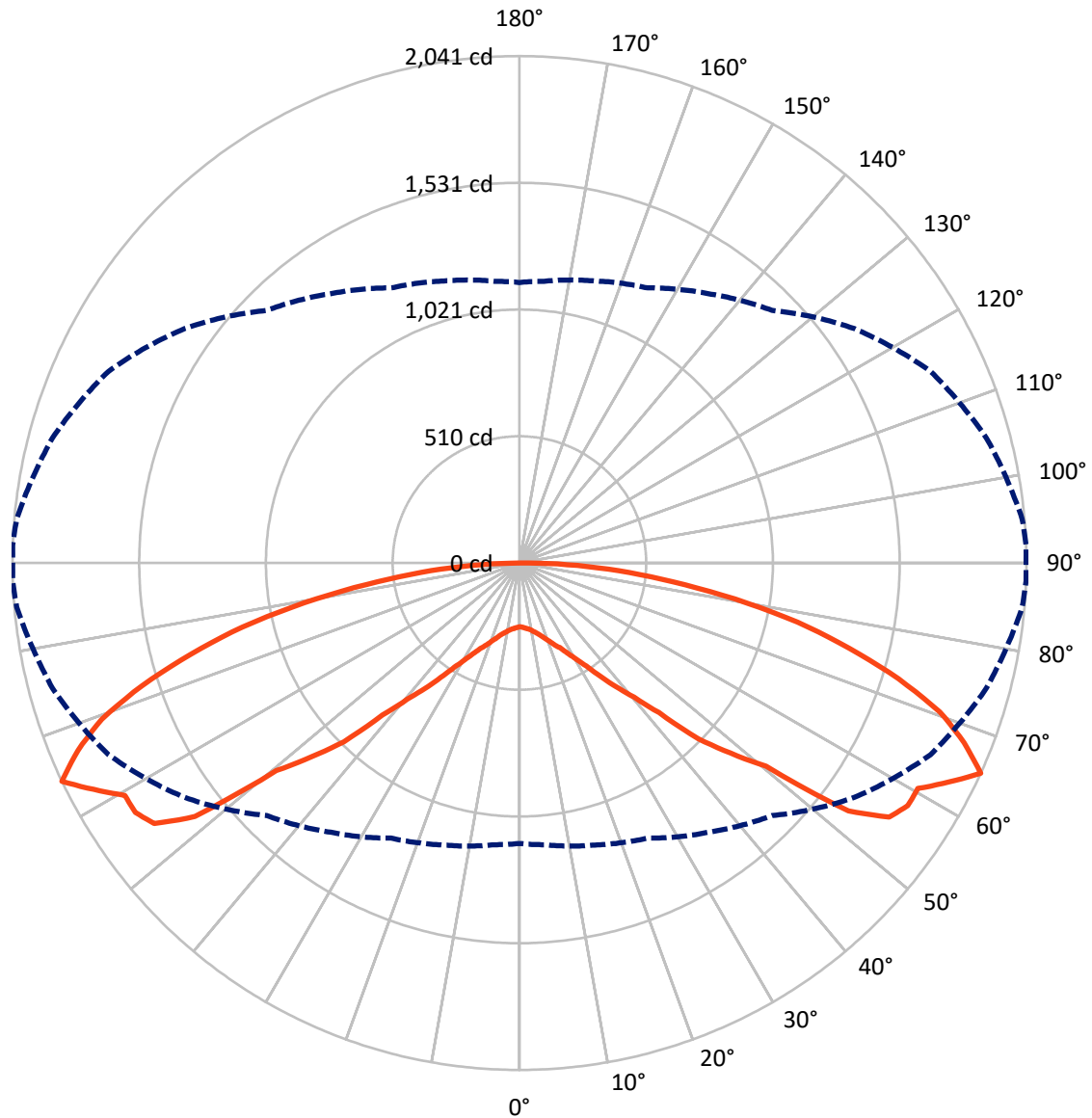


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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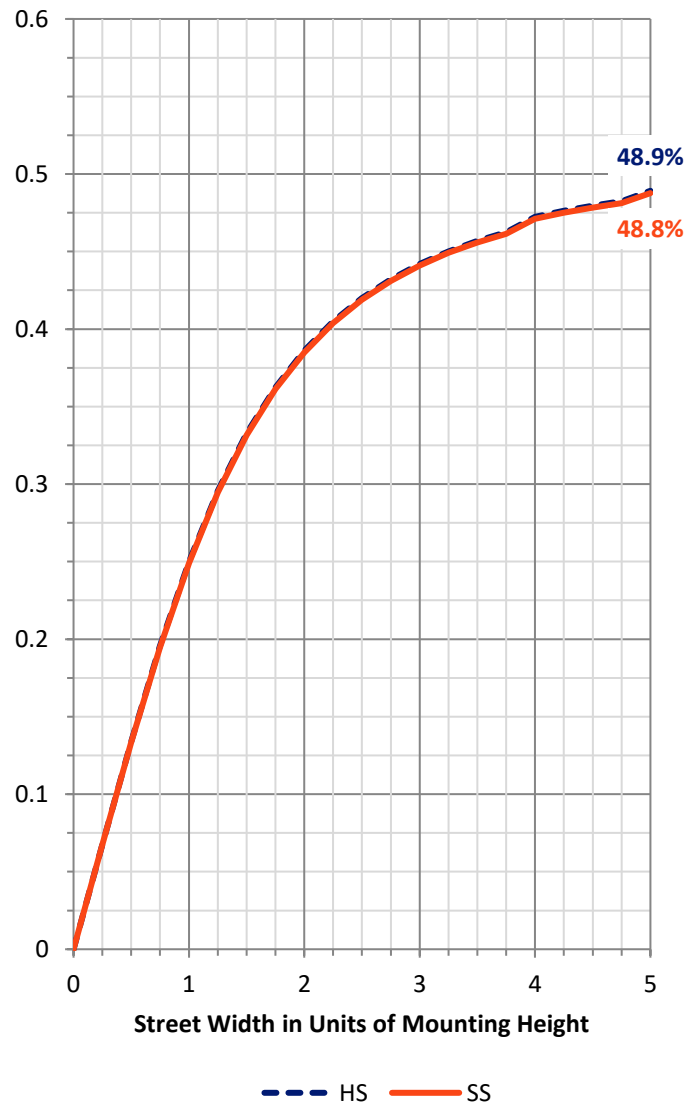
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2749.2	0.0	2749.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2749.2	0.0	2749.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	5498.3	0.0	5498.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	0.5
10°-20°	87.6	1.6
20°-30°	186.1	3.4
30°-40°	355.6	6.5
40°-50°	653.7	11.9
50°-60°	1132.2	20.6
60°-70°	1472.9	26.8
70°-80°	1207.1	22.0
80°-90°	377.4	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°	5498.3	100.0
0°-180°	5498.3	100.0



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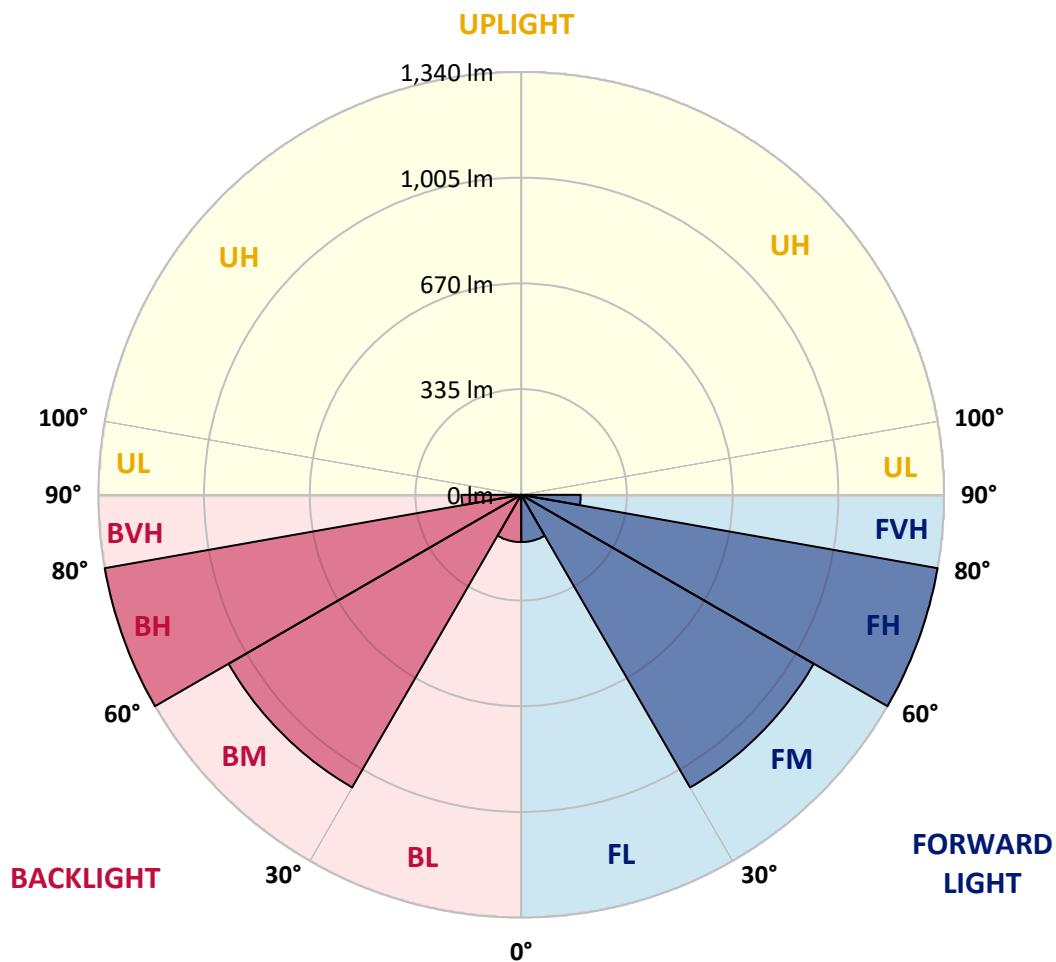
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	149.7	2.7			
FM	(30°-60°)	1070.8	19.5			
FH	(60°-80°)	1340.0	24.4			G1/1800
FVH	(80°-90°)	188.7	3.4			G2/225
BL	(0°-30°)	149.7	2.7	B1/500		
BM	(30°-60°)	1070.8	19.5	B2/2500		
BH	(60°-80°)	1340.0	24.4	B3/2500		G3/2500
BVH	(80°-90°)	188.7	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°	256.9	256.9	256.9	256.9	256.9	256.9	256.9	256.9	256.9	256.9	256.9
2.5°	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2
5°	263.9	263.9	263.9	265.0	265.0	265.0	265.0	265.0	263.9	263.9	263.9
7.5°	269.6	269.6	270.8	270.8	270.8	270.8	269.6	269.6	268.5	268.5	268.5
10°	278.9	278.9	280.1	280.1	278.9	277.7	277.7	277.7	276.6	276.6	276.6
12.5°	291.6	291.6	292.8	291.6	290.5	289.3	289.3	288.2	287.0	287.0	287.0
15°	309.0	309.0	307.8	305.5	303.2	303.2	299.7	299.7	299.7	299.7	298.6
17.5°	332.1	331.0	326.4	325.2	321.7	319.4	317.1	315.9	314.8	314.8	315.9
20°	357.6	355.3	349.5	349.5	343.7	340.2	337.9	335.6	335.6	334.5	333.3
22.5°	387.7	385.4	378.4	376.1	370.3	364.5	362.2	356.4	355.3	355.3	356.4
25°	417.8	418.9	413.2	408.5	400.4	394.6	386.5	383.1	379.6	379.6	377.3
27.5°	452.5	453.7	446.7	440.9	434.0	422.4	417.8	413.2	409.7	412.0	409.7
30°	489.5	491.8	486.1	479.1	468.7	457.1	451.3	450.2	446.7	449.0	447.9
32.5°	532.4	531.2	527.7	520.8	506.9	497.6	493.0	491.8	494.2	495.3	494.2
35°	582.1	577.5	574.0	563.6	550.9	543.9	539.3	543.9	554.3	561.3	559.0
37.5°	634.2	627.2	623.8	612.2	600.6	597.2	602.9	612.2	622.6	631.9	631.9
40°	677.0	679.3	671.2	660.8	651.6	655.0	665.4	681.6	702.5	711.7	710.6
42.5°	719.8	726.8	718.7	708.3	709.4	719.8	734.9	765.0	811.3	825.1	824.0
45°	758.0	773.1	766.1	759.2	769.6	787.0	827.5	894.6	958.2	1005.7	1009.2
47.5°	807.8	815.9	812.4	812.4	828.6	869.1	930.5	1024.2	1091.3	1136.5	1143.4
50°	864.5	856.4	857.5	868.0	908.5	968.6	1052.0	1139.9	1260.3	1281.1	1286.9
52.5°	911.9	898.1	906.2	925.8	984.8	1061.2	1165.4	1345.9	1499.8	1638.7	1658.4
55°	960.5	944.3	960.5	991.8	1078.6	1185.1	1337.8	1547.3	1709.3	1796.1	1806.5
57.5°	997.6	995.3	1018.4	1063.5	1170.0	1312.4	1484.8	1664.2	1773.0	1834.3	1843.6
60°	1043.9	1046.2	1072.8	1133.0	1260.3	1396.8	1525.3	1689.6	1797.3	1833.1	1843.6
62.5°	1087.8	1097.1	1128.4	1196.6	1307.7	1411.9	1535.7	1734.8	1871.3	1948.9	1941.9
65°	1129.5	1138.8	1175.8	1222.1	1323.9	1438.5	1645.7	1826.2	1946.6	2032.2	2041.4
67.5°	1171.2	1182.7	1197.8	1234.8	1333.2	1440.8	1620.2	1771.8	1869.0	1928.0	1931.5
70°	1207.0	1205.9	1202.4	1212.8	1274.2	1357.5	1524.1	1644.5	1735.9	1784.5	1796.1
72.5°	1211.7	1208.2	1167.7	1137.6	1157.3	1223.2	1383.0	1479.0	1548.4	1589.0	1597.1
75°	1173.5	1153.8	1074.0	1009.2	1005.7	1071.6	1205.9	1275.3	1317.0	1369.1	1372.5
77.5°	1049.7	1027.7	938.6	850.6	850.6	893.4	1005.7	1042.7	1094.8	1134.1	1144.6
80°	846.0	843.7	751.1	681.6	656.2	692.1	783.5	797.4	836.7	870.3	880.7
82.5°	612.2	594.8	543.9	484.9	464.1	487.2	549.7	563.6	578.6	608.7	621.5
85°	370.3	371.5	336.8	303.2	276.6	284.7	333.3	353.0	372.6	392.3	399.3
87.5°	133.1	153.9	120.4	106.5	92.6	88.0	103.0	127.3	149.3	177.1	192.1
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°	256.9
2.5°	259.2
5°	262.7
7.5°	268.5
10°	276.6
12.5°	287.0
15°	298.6
17.5°	313.6
20°	333.3
22.5°	354.1
25°	378.4
27.5°	412.0
30°	446.7
32.5°	494.2
35°	564.8
37.5°	631.9
40°	714.0
42.5°	828.6
45°	1013.8
47.5°	1142.2
50°	1297.3
52.5°	1642.2
55°	1810.0
57.5°	1845.9
60°	1843.6
62.5°	1960.4
65°	2040.3
67.5°	1933.8
70°	1800.7
72.5°	1593.6
75°	1380.6
77.5°	1150.3
80°	885.3
82.5°	616.8
85°	415.5
87.5°	171.3
90°	0.0

(END OF REPORT)