

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: P198147

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198147
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-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5639.6 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

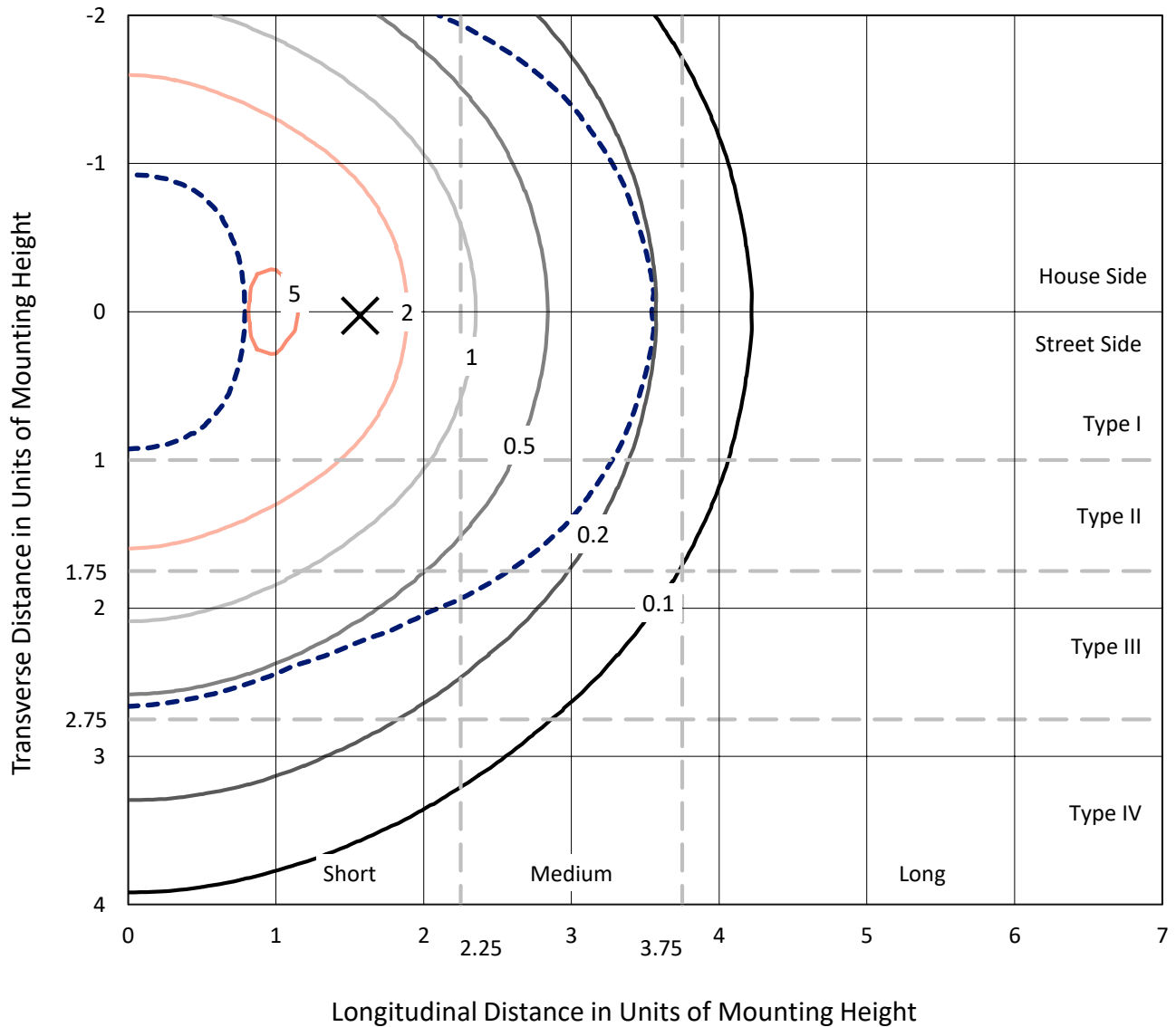
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

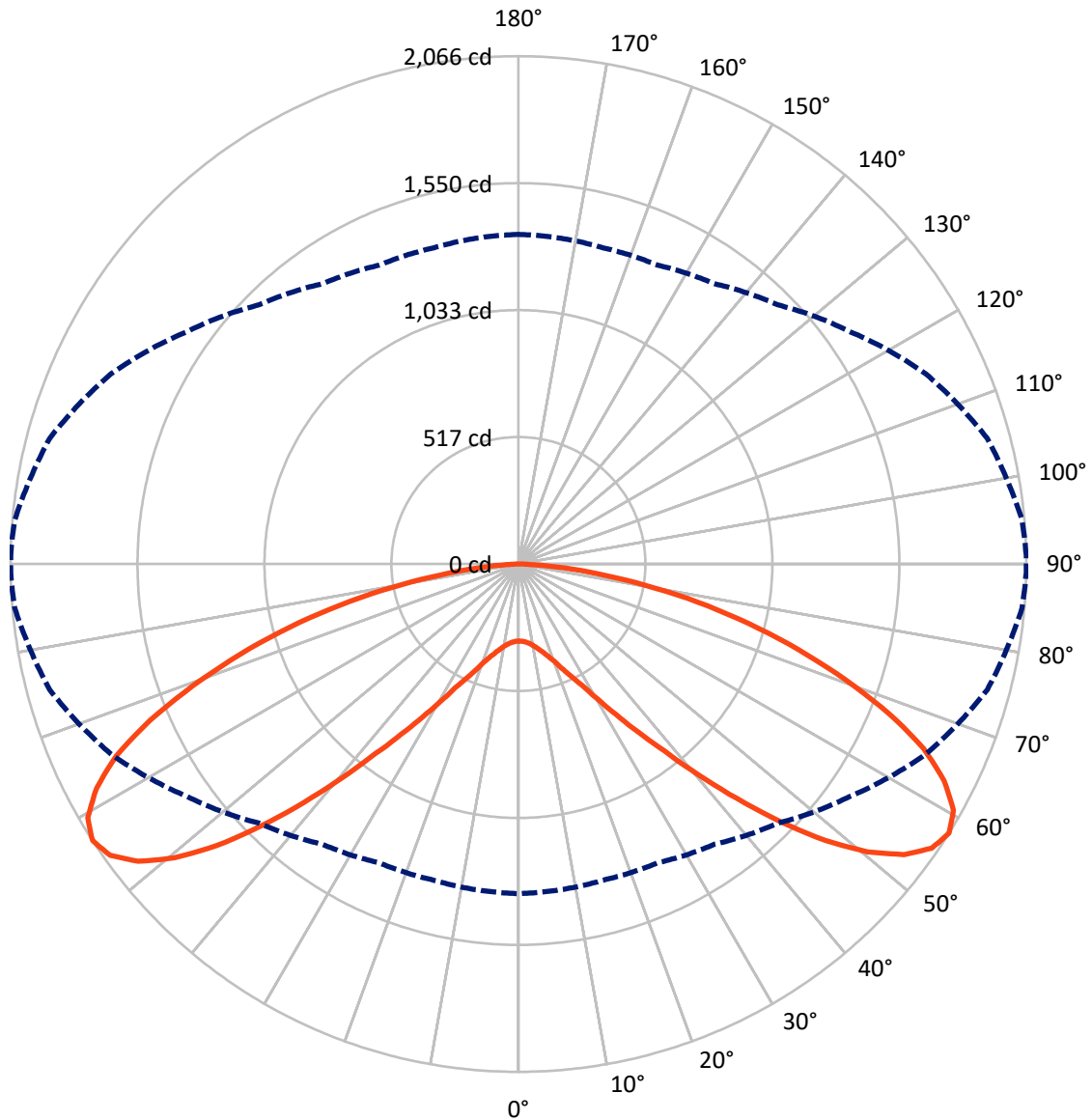
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 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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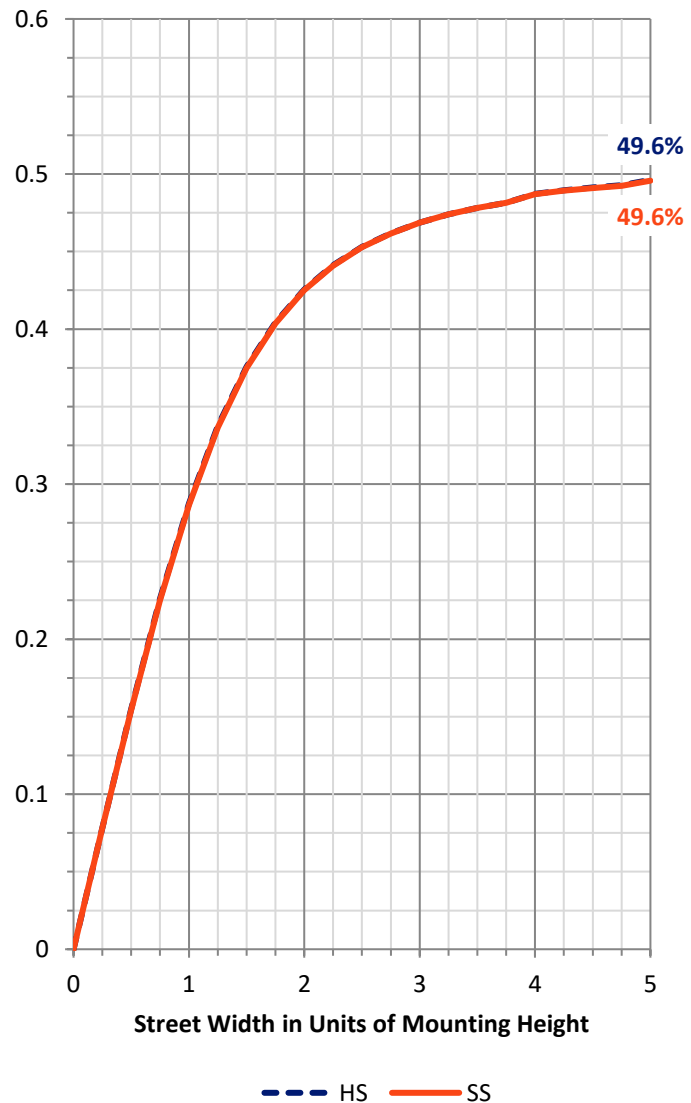
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2819.8	0.0	2819.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2819.8	0.0	2819.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5639.6	0.0	5639.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	0.6
10°-20°	108.6	1.9
20°-30°	243.3	4.3
30°-40°	503.4	8.9
40°-50°	955.6	16.9
50°-60°	1398.3	24.8
60°-70°	1394.1	24.7
70°-80°	829.8	14.7
80°-90°	175.5	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°	5639.6	100.0
0°-180°	5639.6	100.0



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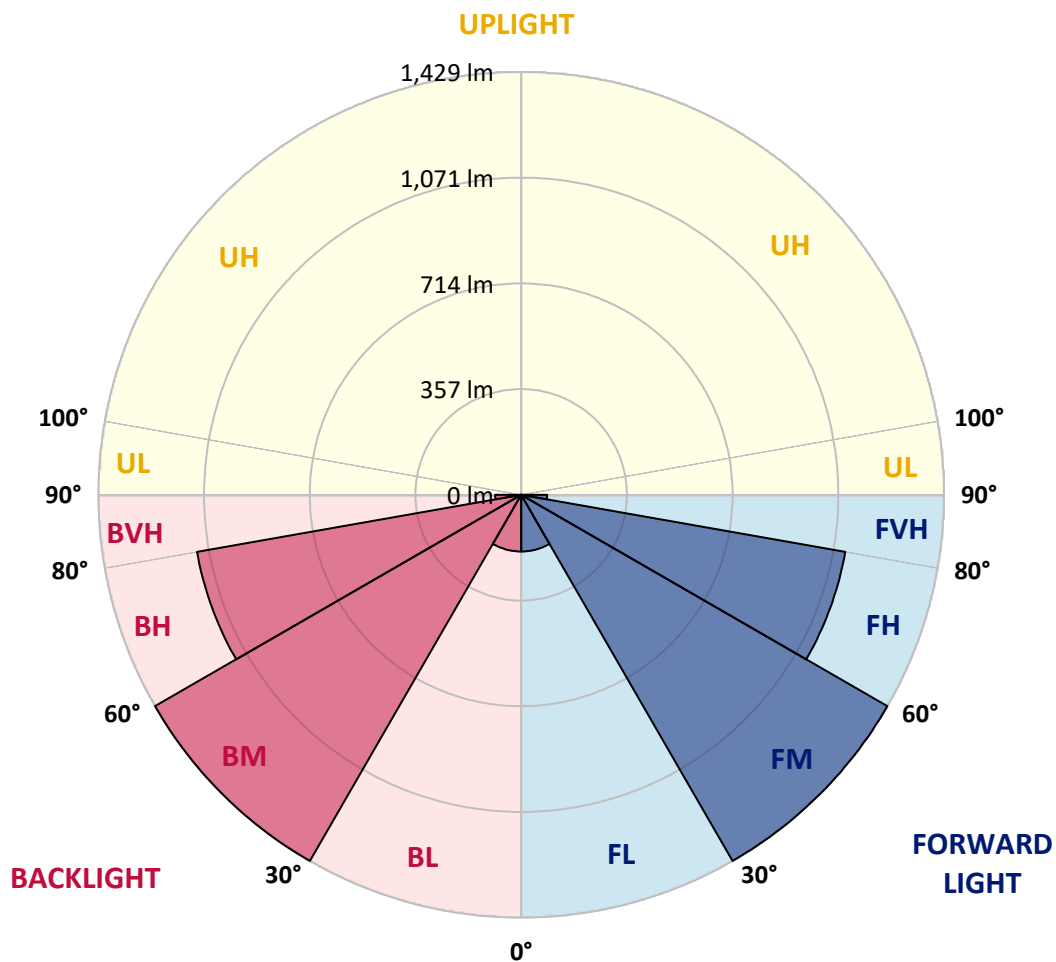
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	191.5	3.4			
FM	(30°-60°)	1428.7	25.3			
FH	(60°-80°)	1111.9	19.7			G1/1800
FVH	(80°-90°)	87.8	1.6			G1/100
BL	(0°-30°)	191.5	3.4	B1/500		
BM	(30°-60°)	1428.7	25.3	B2/2500		
BH	(60°-80°)	1111.9	19.7	B3/2500		G3/2500
BVH	(80°-90°)	87.8	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°	313.2	313.2	313.2	313.2	313.2	313.2	313.2	313.2	313.2	313.2	313.2
2.5°	315.6	315.6	315.6	315.6	314.4	314.4	314.4	314.4	314.4	314.4	314.4
5°	320.3	320.3	319.1	320.3	319.1	319.1	319.1	319.1	319.1	319.1	319.1
7.5°	327.3	327.3	327.3	327.3	327.3	327.3	326.2	327.3	326.2	326.2	326.2
10°	340.2	339.1	340.2	339.1	339.1	337.9	337.9	337.9	337.9	337.9	337.9
12.5°	356.7	356.7	356.7	355.5	354.3	354.3	353.1	353.1	353.1	352.0	353.1
15°	378.9	380.1	376.6	375.4	375.4	373.1	371.9	373.1	371.9	370.7	371.9
17.5°	405.9	407.1	404.8	402.4	400.1	398.9	397.7	396.5	396.5	396.5	395.4
20°	441.1	441.1	438.8	434.1	430.6	428.2	428.2	427.0	427.0	428.2	424.7
22.5°	481.0	479.8	477.5	475.1	470.5	465.8	463.4	462.2	462.2	464.6	465.8
25°	530.3	531.5	524.4	519.7	515.0	506.8	505.7	506.8	508.0	508.0	510.3
27.5°	580.7	583.1	577.2	570.2	563.1	559.6	557.3	559.6	562.0	565.5	564.3
30°	640.6	639.4	638.2	627.7	619.5	615.9	618.3	625.3	631.2	639.4	640.6
32.5°	705.1	707.4	699.2	691.0	687.5	684.0	687.5	702.8	719.2	723.9	729.7
35°	781.4	776.7	772.0	766.1	760.2	760.2	777.8	795.4	821.2	838.8	838.8
37.5°	858.8	855.3	847.1	838.8	838.8	850.6	868.2	911.6	949.1	974.9	964.4
40°	938.6	933.9	931.5	922.1	923.3	951.5	989.0	1043.0	1096.9	1133.3	1126.3
42.5°	1019.5	1020.7	1012.5	1009.0	1019.5	1051.2	1116.9	1189.6	1257.7	1303.4	1304.6
45°	1102.8	1102.8	1096.9	1094.6	1114.5	1162.6	1244.8	1344.5	1436.0	1488.8	1494.7
47.5°	1179.1	1177.9	1173.2	1172.0	1206.1	1263.5	1366.8	1494.7	1607.3	1666.0	1681.2
50°	1244.8	1245.9	1238.9	1244.8	1275.3	1351.5	1475.9	1630.8	1759.8	1833.7	1840.8
52.5°	1296.4	1297.6	1289.4	1294.0	1335.1	1423.1	1561.5	1735.2	1876.0	1954.6	1963.9
55°	1331.6	1326.9	1321.0	1328.1	1375.0	1472.4	1623.7	1804.4	1951.0	2033.2	2040.2
57.5°	1341.0	1337.5	1331.6	1341.0	1391.4	1491.1	1647.2	1829.0	1974.5	2056.6	2066.0
60°	1326.9	1326.9	1319.9	1330.4	1380.9	1478.2	1630.8	1806.7	1945.2	2020.3	2033.2
62.5°	1290.5	1290.5	1282.3	1290.5	1338.6	1429.0	1574.4	1737.5	1863.1	1928.7	1944.0
65°	1222.5	1221.3	1216.6	1219.0	1258.8	1344.5	1477.1	1624.9	1734.0	1792.7	1812.6
67.5°	1123.9	1120.4	1115.7	1120.4	1149.7	1226.0	1348.0	1477.1	1567.4	1623.7	1628.4
70°	998.4	994.9	989.0	986.7	1017.2	1078.2	1176.7	1290.5	1365.6	1406.7	1411.4
72.5°	849.4	854.1	849.4	842.4	862.3	916.3	998.4	1085.2	1147.4	1184.9	1190.8
75°	702.8	703.9	692.2	689.8	705.1	739.1	806.0	872.9	926.8	958.5	967.9
77.5°	544.4	544.4	533.8	527.9	536.2	565.5	611.2	665.2	709.8	729.7	746.2
80°	391.9	391.9	382.5	368.4	376.6	391.9	432.9	462.2	497.4	519.7	522.1
82.5°	245.2	241.7	244.0	233.5	235.8	240.5	266.3	286.3	307.4	319.1	320.3
85°	127.9	123.2	120.8	115.0	111.5	119.7	131.4	145.5	150.2	160.7	157.2
87.5°	39.9	37.5	36.4	36.4	32.8	35.2	36.4	38.7	44.6	44.6	46.9
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°	313.2
2.5°	314.4
5°	319.1
7.5°	326.2
10°	337.9
12.5°	352.0
15°	371.9
17.5°	396.5
20°	424.7
22.5°	462.2
25°	508.0
27.5°	562.0
30°	639.4
32.5°	726.2
35°	831.8
37.5°	976.1
40°	1125.1
42.5°	1312.8
45°	1494.7
47.5°	1681.2
50°	1837.2
52.5°	1960.4
55°	2043.7
57.5°	2066.0
60°	2029.6
62.5°	1940.5
65°	1810.3
67.5°	1628.4
70°	1418.4
72.5°	1187.3
75°	957.3
77.5°	741.5
80°	522.1
82.5°	329.7
85°	157.2
87.5°	50.4
90°	0.0

(END OF REPORT)