

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: P197994

Luminaire Tested: **TT-C2-LED-E1-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197994
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-C2-LED-E1-RW
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3865.2 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 34
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



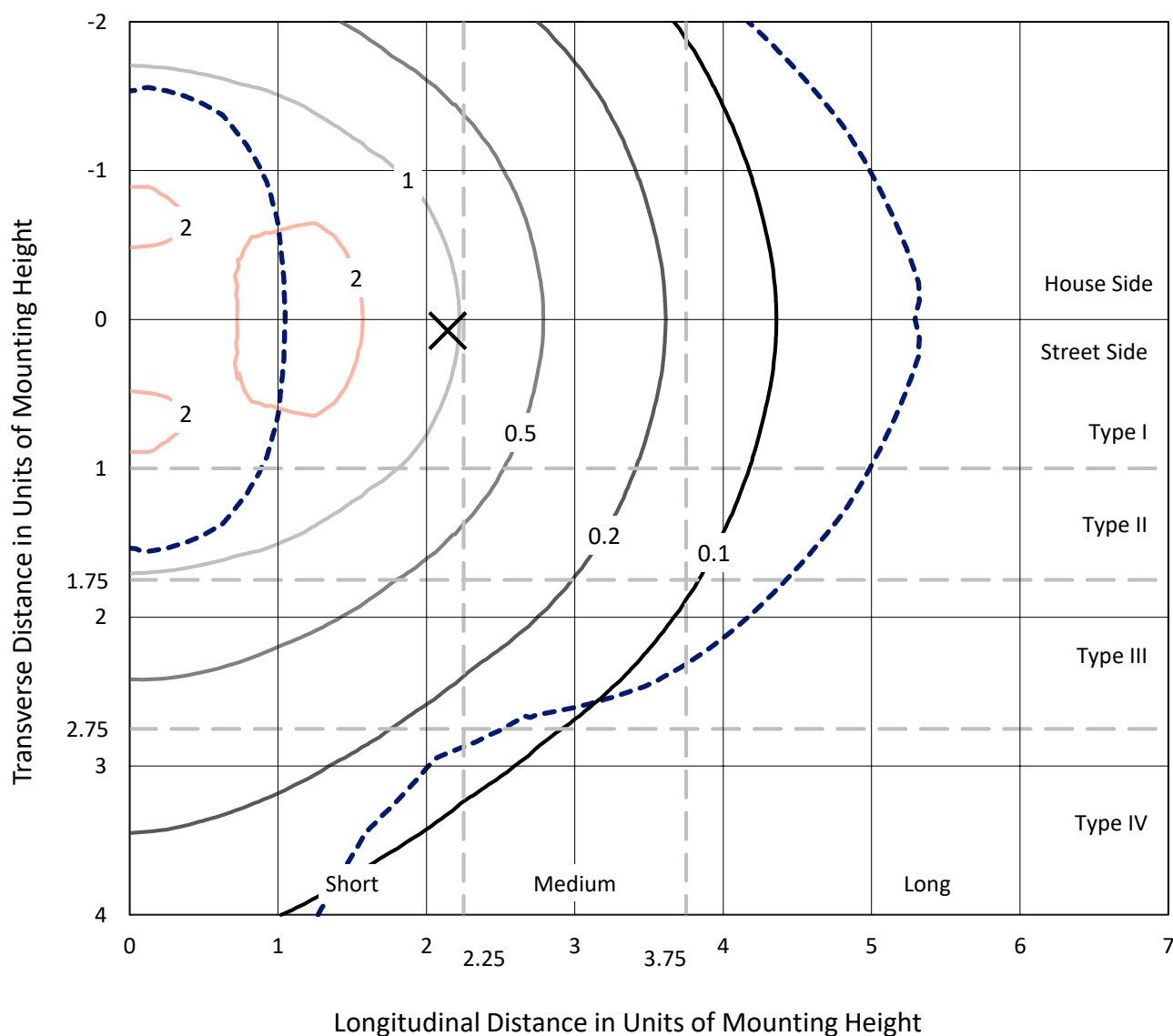
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

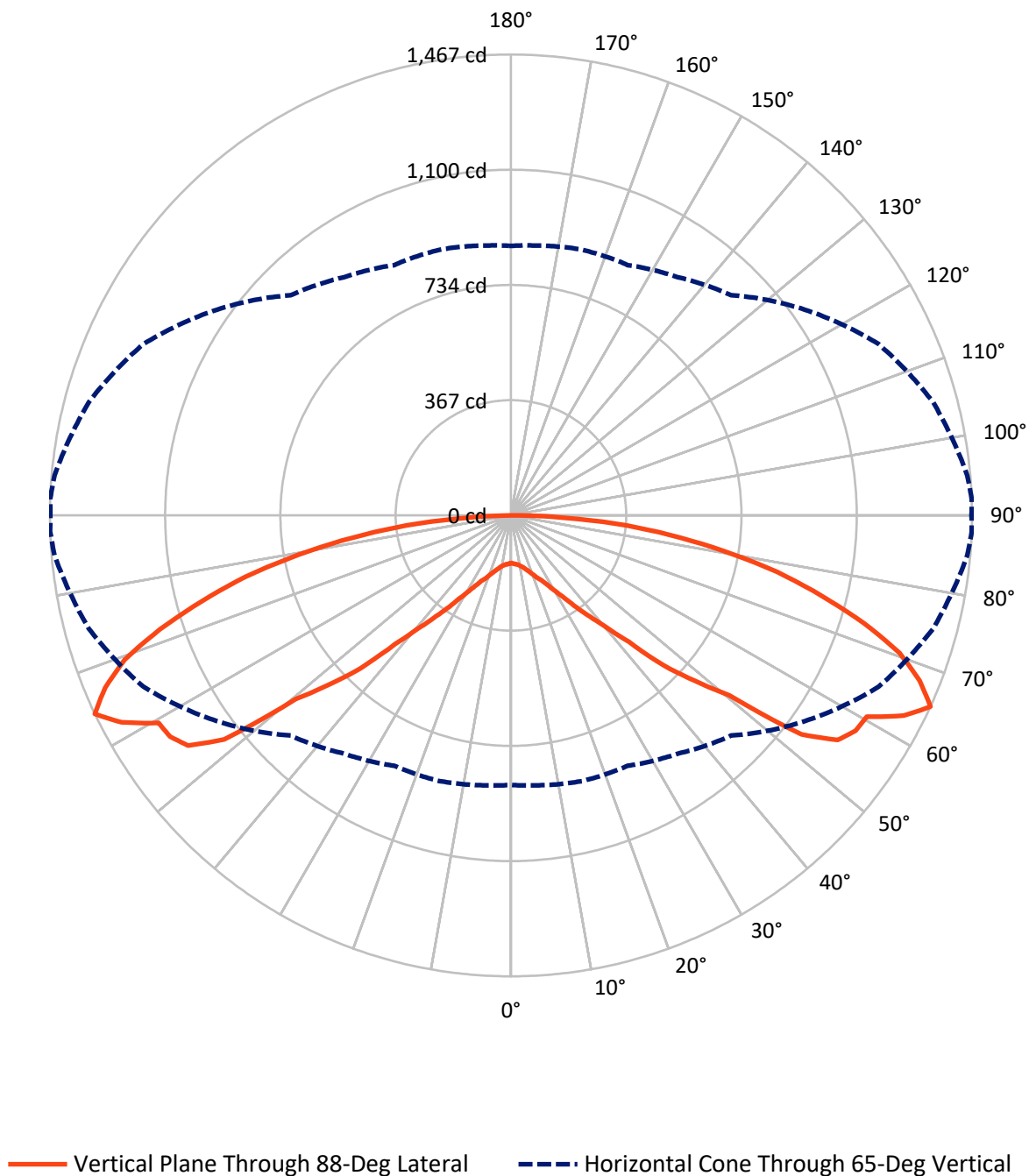


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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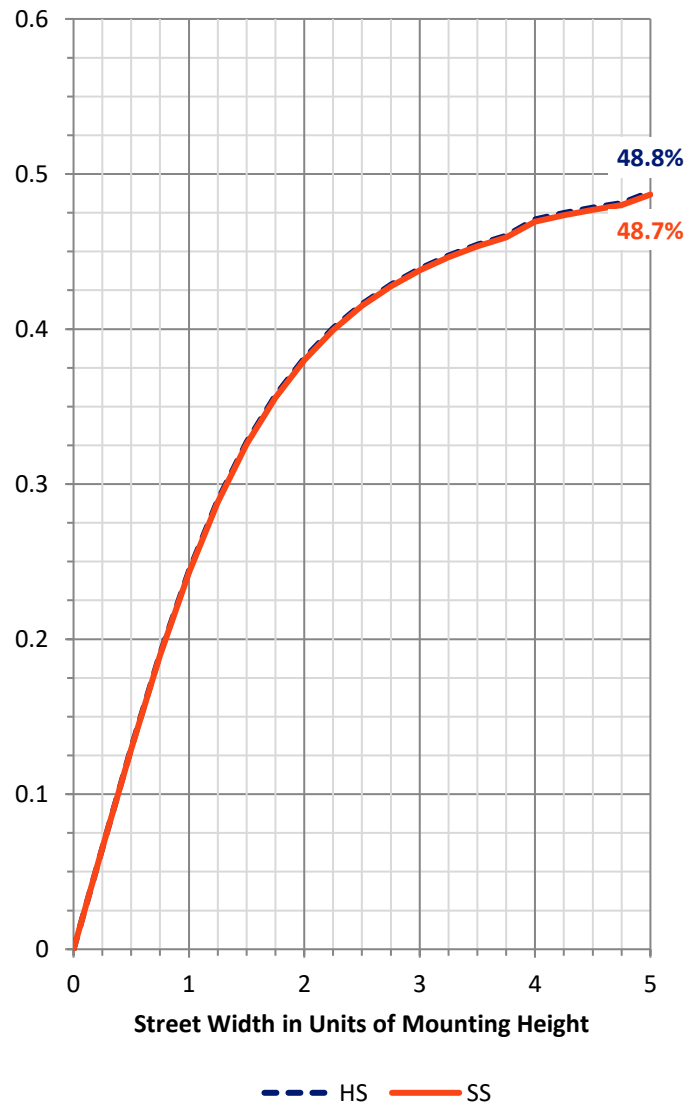
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1932.6	0.0	1932.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1932.6	0.0	1932.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	3865.2	0.0	3865.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	0.4
10°-20°	52.6	1.4
20°-30°	116.2	3.0
30°-40°	231.6	6.0
40°-50°	443.4	11.5
50°-60°	793.6	20.5
60°-70°	1051.7	27.2
70°-80°	877.6	22.7
80°-90°	283.2	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°	3865.2	100.0
0°-180°	3865.2	100.0

Coefficient of Utilization



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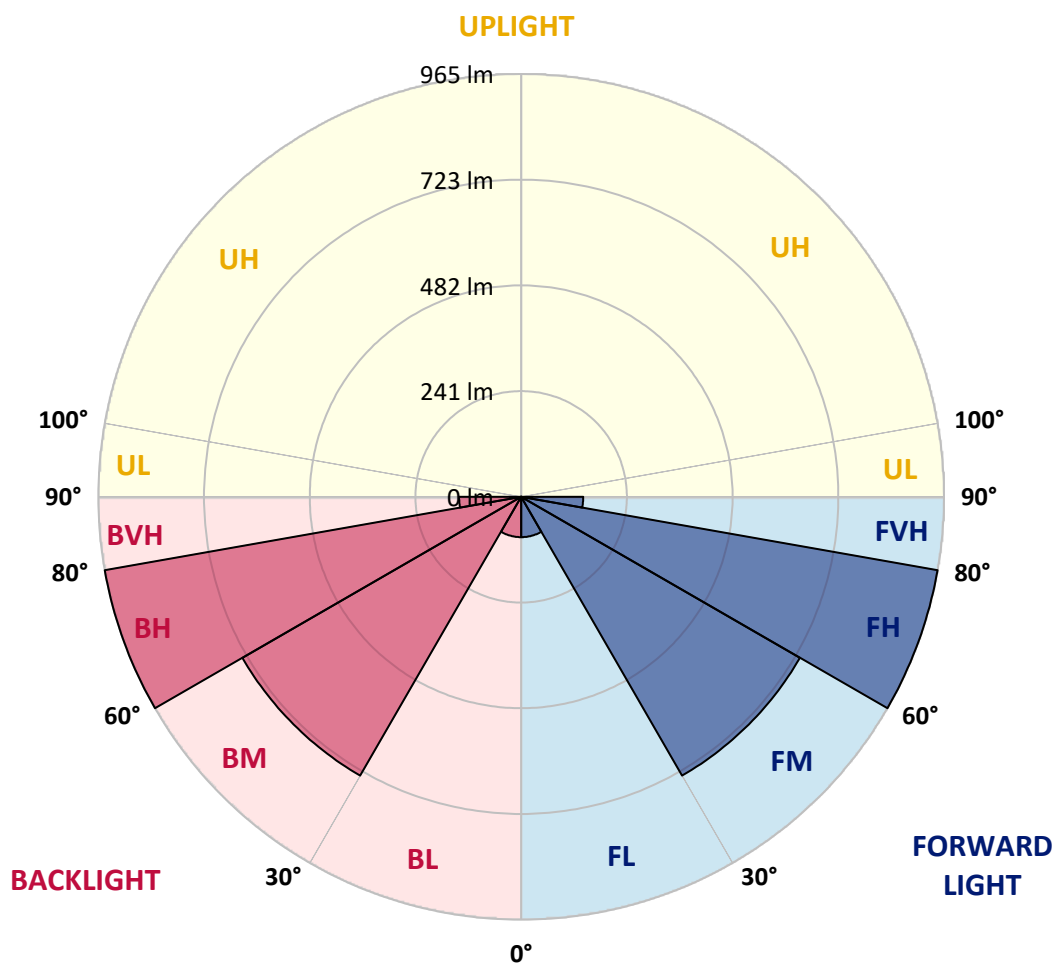
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	92.0	2.4			
FM	(30°-60°)	734.3	19.0			
FH	(60°-80°)	964.7	25.0			G1/1800
FVH	(80°-90°)	141.6	3.7			G2/225
BL	(0°-30°)	92.0	2.4	B0/110		
BM	(30°-60°)	734.3	19.0	B1/1000		
BH	(60°-80°)	964.7	25.0	B2/1000		G2/1000
BVH	(80°-90°)	141.6	3.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	151.3	151.3	151.3	151.3	151.3	151.3	151.3	151.3	151.3	151.3	151.3
2.5°	152.9	152.9	152.9	152.9	153.6	153.6	153.6	153.6	153.6	153.6	153.6
5°	155.1	155.1	155.9	155.9	156.7	156.7	156.7	156.7	155.9	155.9	155.9
7.5°	159.0	159.7	160.5	160.5	160.5	159.7	159.0	159.0	158.2	158.2	158.2
10°	165.8	165.8	166.6	166.6	165.8	165.0	164.3	163.5	163.5	163.5	162.8
12.5°	174.2	174.2	174.9	174.2	172.6	171.9	170.4	169.6	169.6	168.8	168.8
15°	185.6	187.1	187.1	184.8	182.5	180.2	179.5	178.0	178.0	178.0	178.0
17.5°	203.1	202.3	199.3	197.0	195.5	191.7	190.1	189.4	187.9	187.9	187.9
20°	222.8	221.3	217.5	214.5	211.4	206.9	203.8	202.3	201.5	200.8	200.8
22.5°	244.9	242.6	237.3	235.0	228.9	224.4	220.6	217.5	215.2	214.5	216.0
25°	267.7	267.7	263.1	257.1	251.0	244.1	238.8	235.0	232.0	231.2	230.4
27.5°	292.0	293.6	287.5	281.4	274.6	265.4	260.1	254.8	254.0	253.3	252.5
30°	317.9	320.9	314.9	308.8	299.7	290.5	283.7	281.4	279.1	280.6	280.6
32.5°	349.8	351.4	344.5	340.0	327.8	318.7	312.6	311.1	311.8	311.1	313.3
35°	387.1	384.8	379.5	370.4	359.7	351.4	346.8	349.8	358.2	361.3	359.7
37.5°	428.2	419.8	416.8	405.4	395.5	388.6	390.2	397.8	404.6	409.9	408.4
40°	458.6	460.1	451.8	441.1	432.0	430.5	438.8	448.7	461.6	466.2	467.7
42.5°	489.8	498.9	489.0	478.4	473.8	476.9	489.0	508.8	537.7	552.9	550.6
45°	525.5	535.4	524.8	516.4	515.6	527.1	553.7	605.4	648.0	678.4	681.4
47.5°	562.8	570.4	560.5	555.2	562.8	584.9	630.5	699.7	745.3	781.1	787.2
50°	609.9	606.9	599.3	598.5	615.3	655.6	717.2	787.2	869.3	892.9	900.5
52.5°	656.3	644.9	643.4	647.2	676.9	722.5	804.6	942.3	1063.2	1148.4	1157.5
55°	699.7	686.8	689.8	699.7	741.5	810.7	924.8	1092.9	1198.6	1258.7	1261.7
57.5°	739.2	731.6	738.5	752.2	814.5	903.5	1024.4	1162.9	1242.7	1285.3	1292.9
60°	779.5	778.0	786.4	811.5	878.4	957.5	1058.7	1181.1	1261.0	1293.7	1301.3
62.5°	817.6	822.9	833.5	857.9	909.6	971.2	1069.3	1219.1	1338.5	1390.3	1403.2
65°	857.9	862.4	875.4	879.2	925.6	991.0	1141.6	1290.6	1391.0	1457.9	1467.1
67.5°	894.4	900.5	895.9	892.9	933.2	991.0	1127.1	1257.9	1341.6	1392.5	1402.4
70°	929.4	922.5	904.3	880.7	892.1	931.7	1056.4	1169.7	1254.1	1302.0	1311.9
72.5°	938.5	929.4	880.7	826.7	810.0	839.6	954.5	1054.9	1124.1	1168.9	1175.0
75°	914.9	895.9	813.8	739.2	707.3	737.0	832.8	918.7	967.4	1016.1	1019.9
77.5°	820.6	808.4	717.2	626.7	590.9	613.0	692.8	753.7	810.0	857.1	866.3
80°	673.8	663.2	582.6	508.8	460.9	476.1	534.7	583.3	637.3	674.6	686.0
82.5°	495.9	494.3	436.5	367.3	333.9	332.4	376.5	424.4	465.4	501.2	508.8
85°	311.8	311.8	272.3	230.4	195.5	196.2	222.8	257.8	309.5	332.4	334.6
87.5°	105.7	100.4	93.5	76.1	60.8	54.8	58.6	66.9	101.9	126.2	130.8
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°	151.3
2.5°	153.6
5°	155.9
7.5°	158.2
10°	162.8
12.5°	169.6
15°	177.2
17.5°	187.9
20°	200.8
22.5°	215.2
25°	230.4
27.5°	253.3
30°	279.9
32.5°	312.6
35°	360.5
37.5°	409.9
40°	471.5
42.5°	556.7
45°	673.8
47.5°	787.2
50°	892.1
52.5°	1138.5
55°	1264.8
57.5°	1292.2
60°	1299.0
62.5°	1396.3
65°	1465.6
67.5°	1401.7
70°	1309.6
72.5°	1170.5
75°	1026.0
77.5°	866.3
80°	676.9
82.5°	508.8
85°	329.3
87.5°	127.0
90°	0.0

(END OF REPORT)