

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: P197967

Luminaire Tested: **TT-C1-LED-E1-RW-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197967
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-C1-LED-E1-RW-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2820.6 lumens
Efficiency: N/A
Efficacy: 100.7 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): 28
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



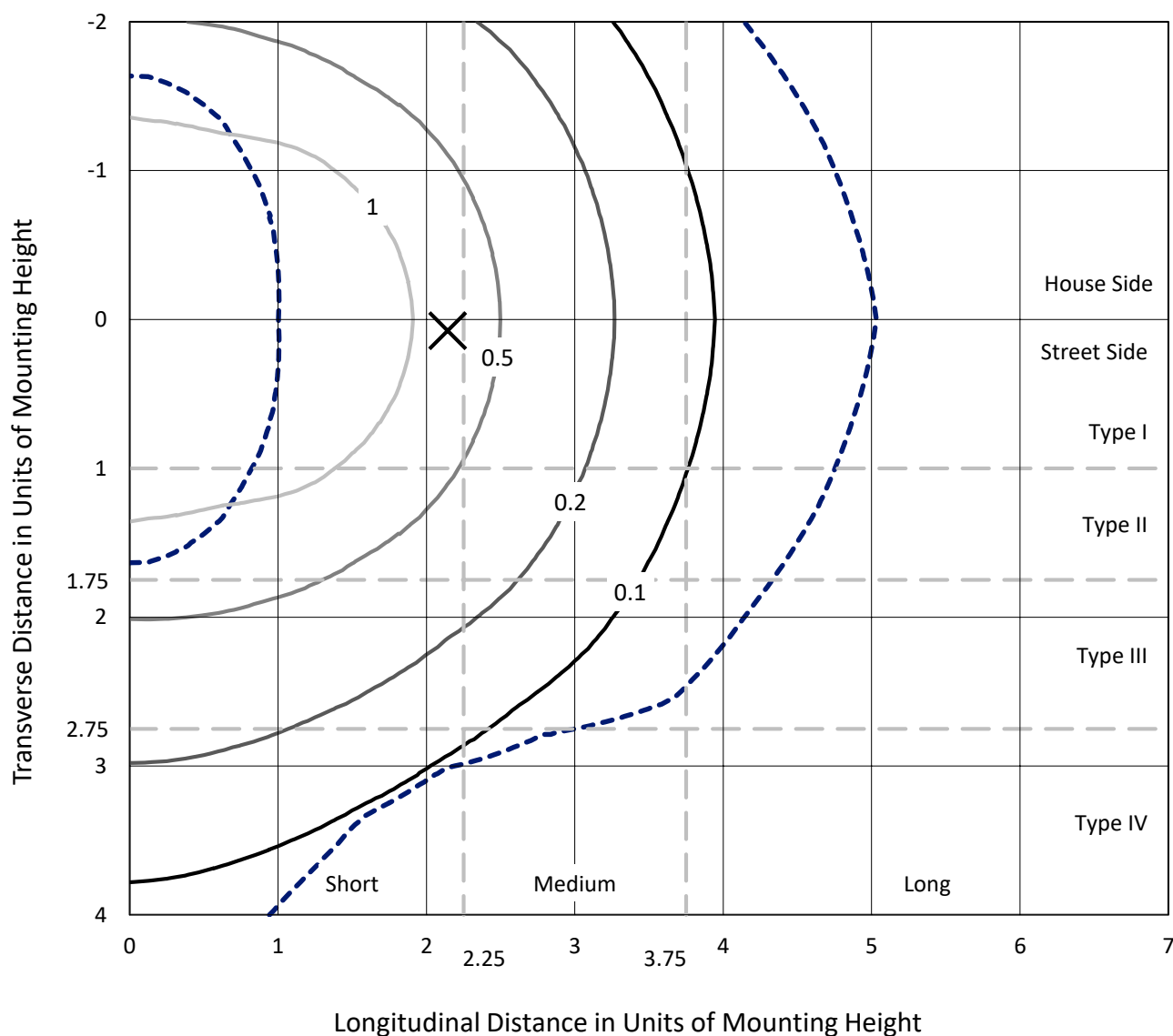
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

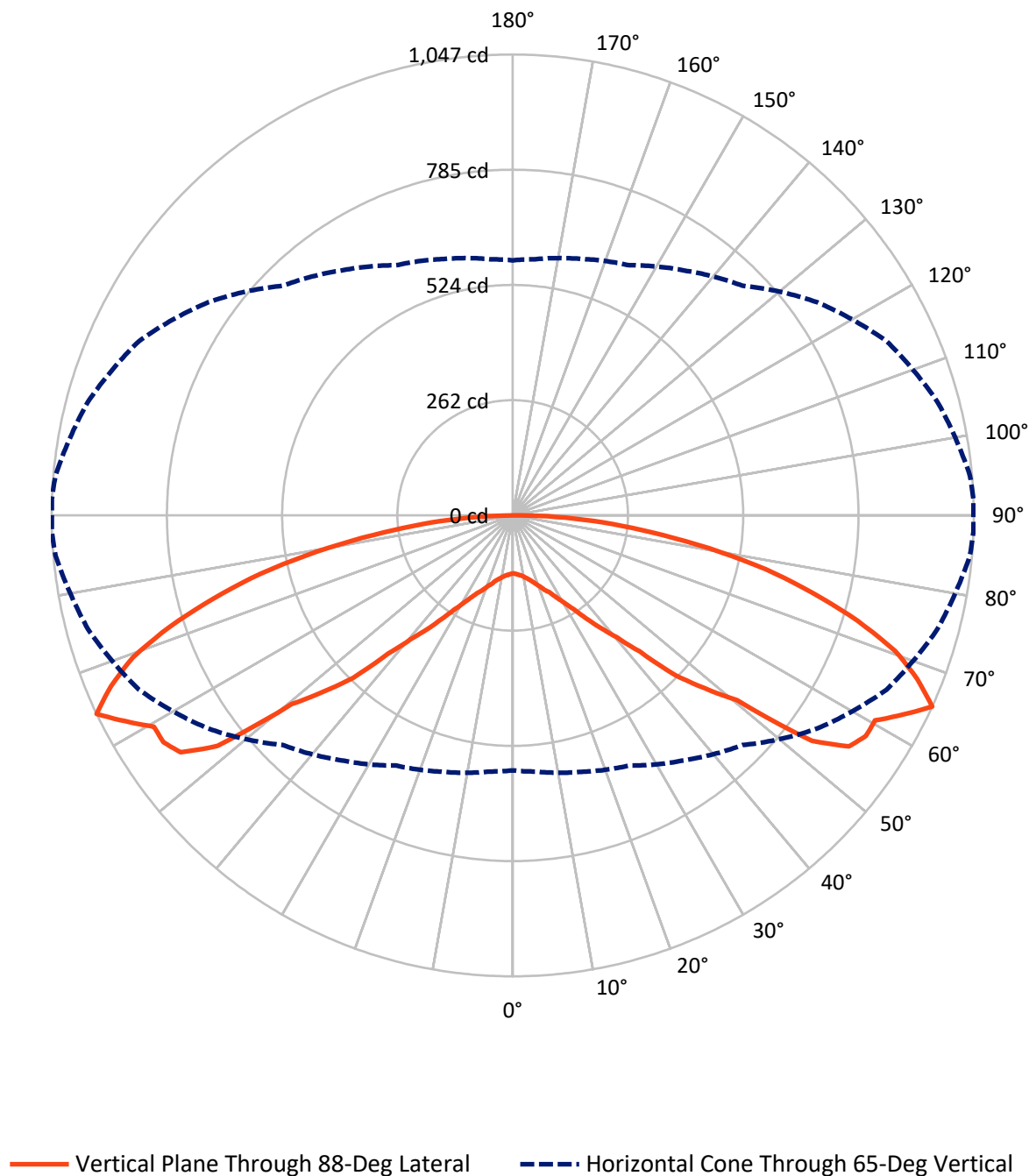


Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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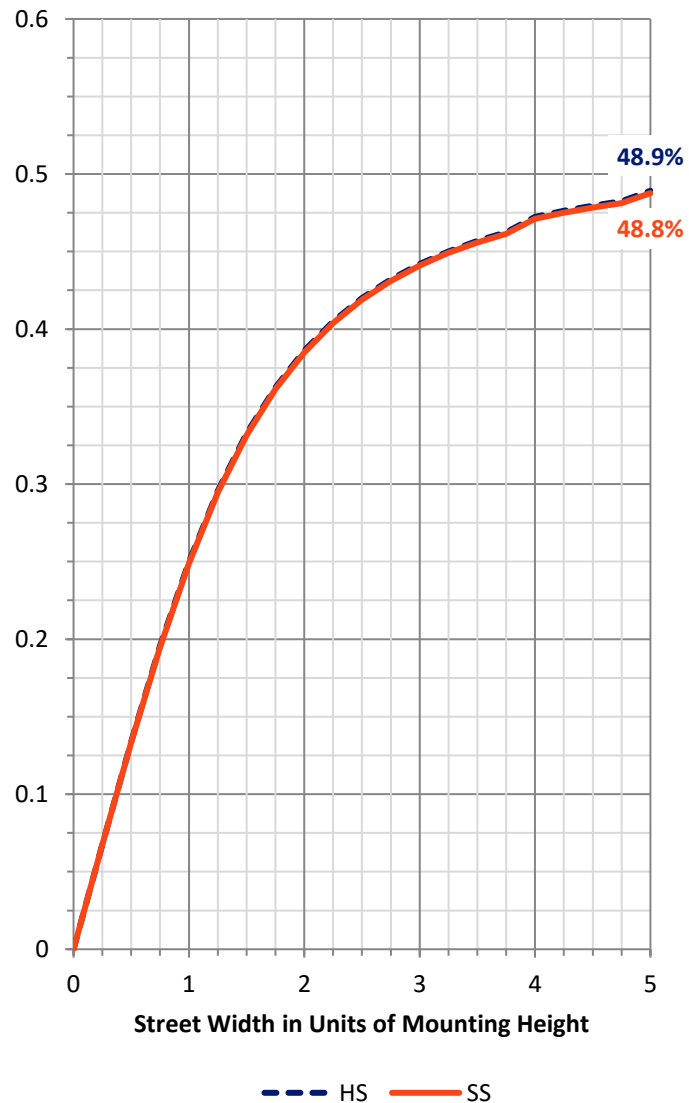
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1410.3	0.0	1410.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1410.3	0.0	1410.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2820.6	0.0	2820.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	0.5
10°-20°	45.0	1.6
20°-30°	95.5	3.4
30°-40°	182.4	6.5
40°-50°	335.4	11.9
50°-60°	580.8	20.6
60°-70°	755.6	26.8
70°-80°	619.2	22.0
80°-90°	193.6	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°	2820.6	100.0
0°-180°	2820.6	100.0

Coefficient of Utilization



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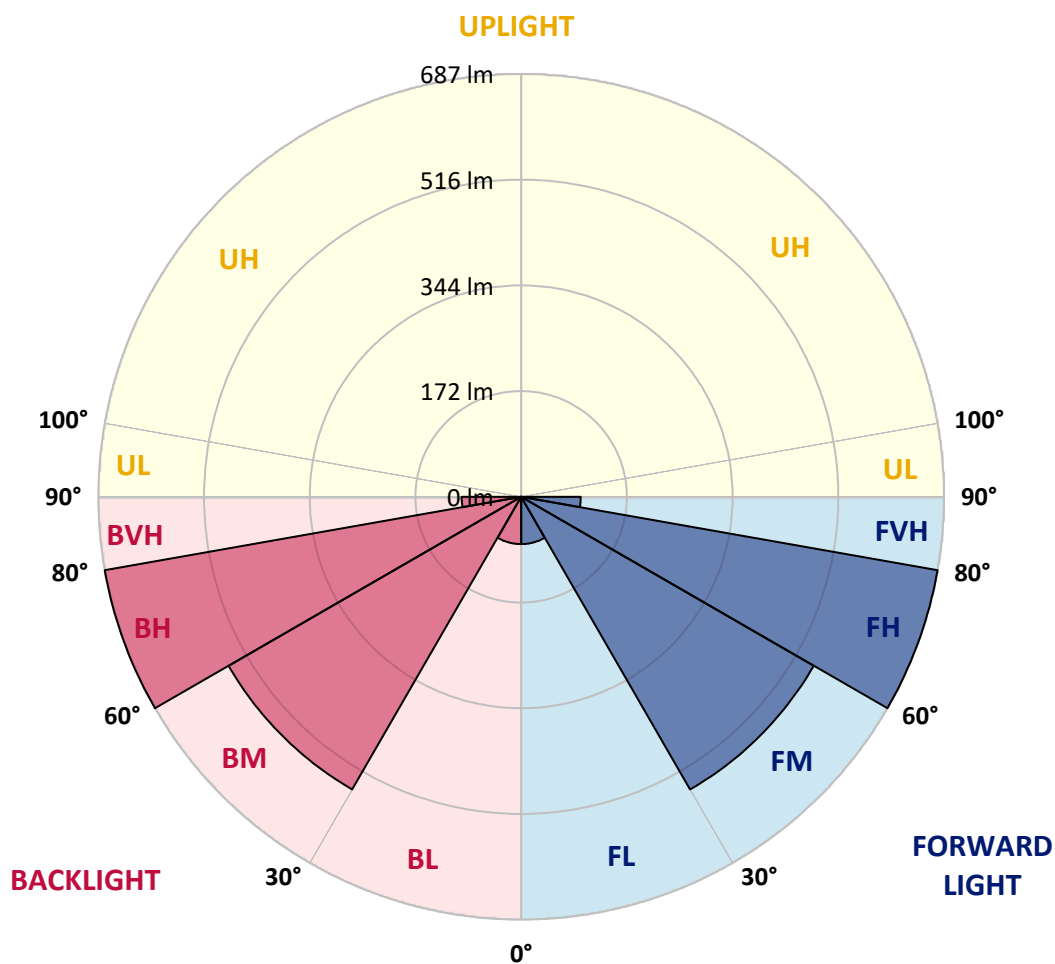
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.8	2.7			
FM	(30°-60°)	549.3	19.5			
FH	(60°-80°)	687.4	24.4			G1/1800
FVH	(80°-90°)	96.8	3.4			G1/100
BL	(0°-30°)	76.8	2.7	B0/110		
BM	(30°-60°)	549.3	19.5	B1/1000		
BH	(60°-80°)	687.4	24.4	B2/1000		G2/1000
BVH	(80°-90°)	96.8	3.4			G1/100
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°	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8
2.5°	133.0	133.0	133.0	133.0	133.0	133.0	133.0	133.0	133.0	133.0	133.0
5°	135.4	135.4	135.4	136.0	136.0	136.0	136.0	136.0	135.4	135.4	135.4
7.5°	138.3	138.3	138.9	138.9	138.9	138.9	138.3	138.3	137.7	137.7	137.7
10°	143.1	143.1	143.7	143.7	143.1	142.5	142.5	142.5	141.9	141.9	141.9
12.5°	149.6	149.6	150.2	149.6	149.0	148.4	148.4	147.8	147.2	147.2	147.2
15°	158.5	158.5	157.9	156.7	155.5	155.5	153.8	153.8	153.8	153.8	153.2
17.5°	170.4	169.8	167.4	166.8	165.0	163.9	162.7	162.1	161.5	161.5	162.1
20°	183.4	182.3	179.3	179.3	176.3	174.5	173.4	172.2	172.2	171.6	171.0
22.5°	198.9	197.7	194.1	192.9	190.0	187.0	185.8	182.9	182.3	182.3	182.9
25°	214.3	214.9	211.9	209.6	205.4	202.4	198.3	196.5	194.7	194.7	193.5
27.5°	232.1	232.7	229.2	226.2	222.6	216.7	214.3	211.9	210.2	211.3	210.2
30°	251.1	252.3	249.3	245.8	240.4	234.5	231.5	230.9	229.2	230.3	229.8
32.5°	273.1	272.5	270.7	267.2	260.0	255.3	252.9	252.3	253.5	254.1	253.5
35°	298.6	296.2	294.5	289.1	282.6	279.0	276.7	279.0	284.4	287.9	286.7
37.5°	325.3	321.8	320.0	314.1	308.1	306.3	309.3	314.1	319.4	324.1	324.1
40°	347.3	348.5	344.3	339.0	334.2	336.0	341.4	349.7	360.4	365.1	364.5
42.5°	369.3	372.8	368.7	363.3	363.9	369.3	377.0	392.4	416.2	423.3	422.7
45°	388.9	396.6	393.0	389.5	394.8	403.7	424.5	458.9	491.6	515.9	517.7
47.5°	414.4	418.5	416.8	416.8	425.1	445.9	477.3	525.4	559.8	583.0	586.6
50°	443.5	439.3	439.9	445.3	466.0	496.9	539.7	584.8	646.5	657.2	660.2
52.5°	467.8	460.7	464.8	474.9	505.2	544.4	597.8	690.4	769.4	840.6	850.7
55°	492.8	484.4	492.8	508.8	553.3	607.9	686.3	793.7	876.9	921.4	926.7
57.5°	511.7	510.6	522.4	545.6	600.2	673.2	761.7	853.7	909.5	941.0	945.7
60°	535.5	536.7	550.3	581.2	646.5	716.6	782.5	866.8	922.0	940.4	945.7
62.5°	558.1	562.8	578.8	613.9	670.9	724.3	787.8	889.9	960.0	999.8	996.2
65°	579.4	584.2	603.2	626.9	679.2	737.9	844.2	936.8	998.6	1042.5	1047.2
67.5°	600.8	606.7	614.5	633.5	683.9	739.1	831.1	908.9	958.8	989.1	990.8
70°	619.2	618.6	616.8	622.2	653.6	696.4	781.9	843.6	890.5	915.4	921.4
72.5°	621.6	619.8	599.0	583.6	593.7	627.5	709.4	758.7	794.3	815.1	819.3
75°	602.0	591.9	550.9	517.7	515.9	549.7	618.6	654.2	675.6	702.3	704.1
77.5°	538.5	527.2	481.5	436.4	436.4	458.3	515.9	534.9	561.6	581.8	587.1
80°	434.0	432.8	385.3	349.7	336.6	355.0	401.9	409.0	429.2	446.4	451.8
82.5°	314.1	305.1	279.0	248.8	238.1	249.9	282.0	289.1	296.8	312.3	318.8
85°	190.0	190.6	172.8	155.5	141.9	146.0	171.0	181.1	191.2	201.3	204.8
87.5°	68.3	79.0	61.7	54.6	47.5	45.1	52.8	65.3	76.6	90.8	98.6
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°	131.8
2.5°	133.0
5°	134.8
7.5°	137.7
10°	141.9
12.5°	147.2
15°	153.2
17.5°	160.9
20°	171.0
22.5°	181.7
25°	194.1
27.5°	211.3
30°	229.2
32.5°	253.5
35°	289.7
37.5°	324.1
40°	366.3
42.5°	425.1
45°	520.1
47.5°	586.0
50°	665.5
52.5°	842.4
55°	928.5
57.5°	946.9
60°	945.7
62.5°	1005.7
65°	1046.7
67.5°	992.0
70°	923.8
72.5°	817.5
75°	708.3
77.5°	590.1
80°	454.2
82.5°	316.4
85°	213.1
87.5°	87.9
90°	0.0

(END OF REPORT)