

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: P197780

Luminaire Tested: **TT-C2-LED-E1-WQ-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34714)
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-WQ-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4071.4 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - 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



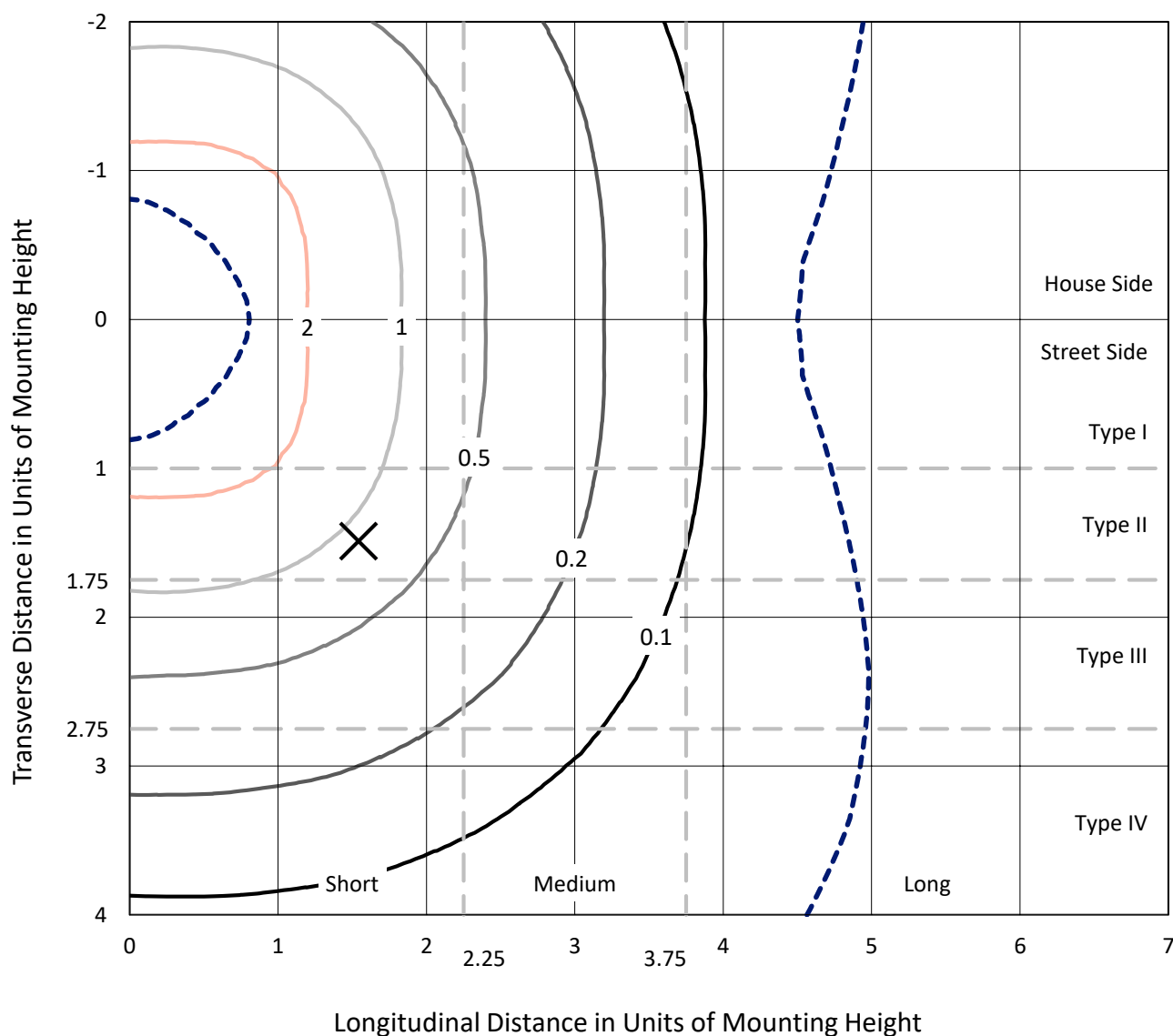
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

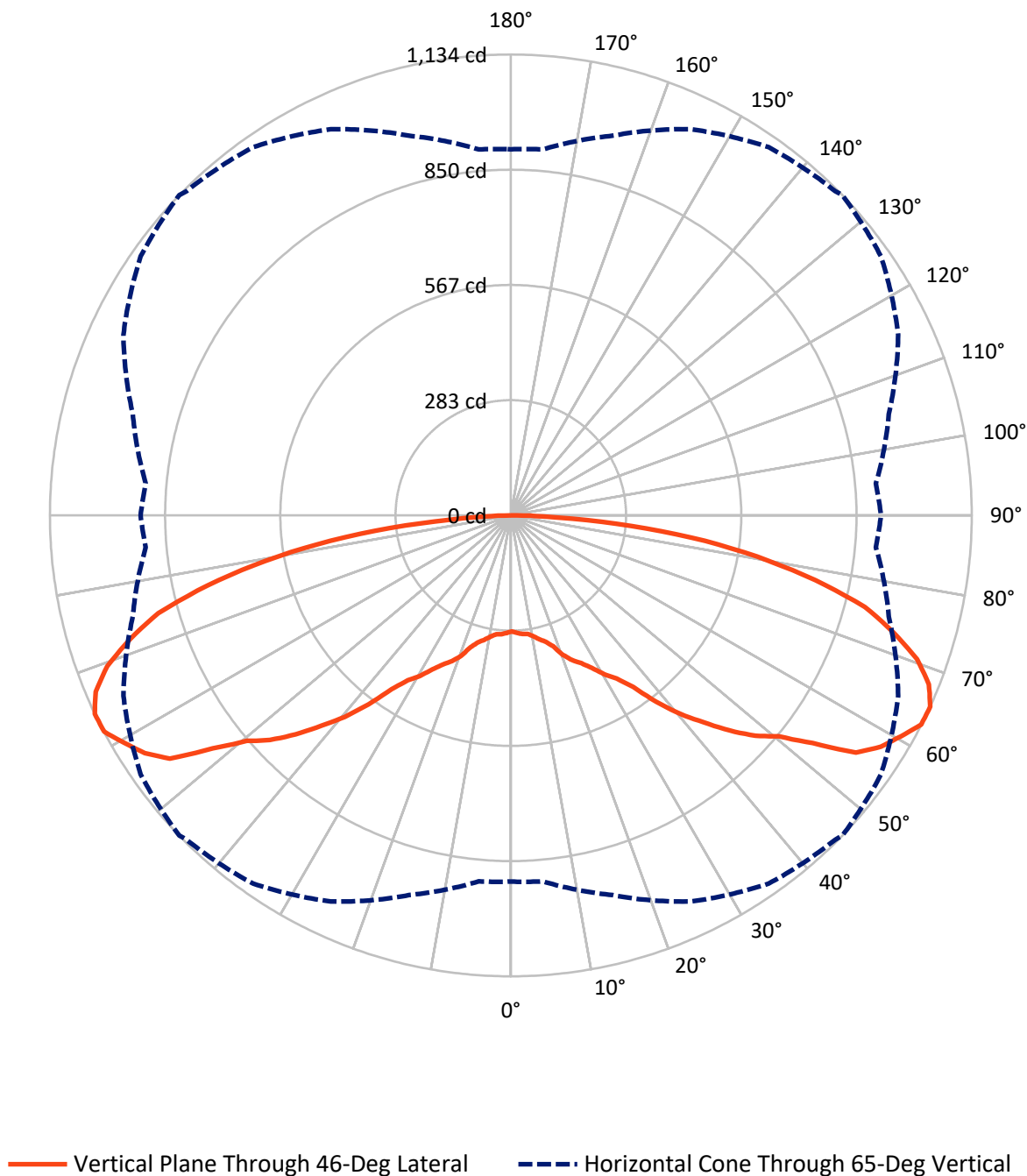


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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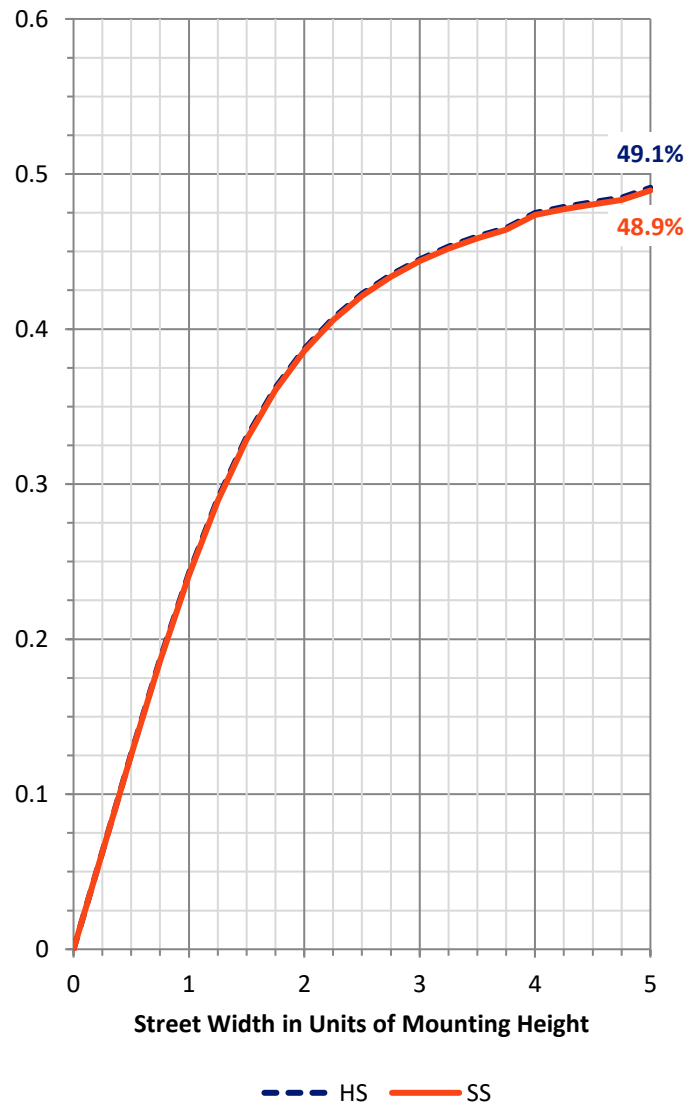
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2035.7	0.0	2035.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2035.7	0.0	2035.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4071.4	0.0	4071.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	0.7
10°-20°	94.0	2.3
20°-30°	189.2	4.6
30°-40°	329.4	8.1
40°-50°	557.0	13.7
50°-60°	830.3	20.4
60°-70°	993.7	24.4
70°-80°	804.5	19.8
80°-90°	245.1	6.0
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°	4071.4	100.0
0°-180°	4071.4	100.0

Coefficient of Utilization



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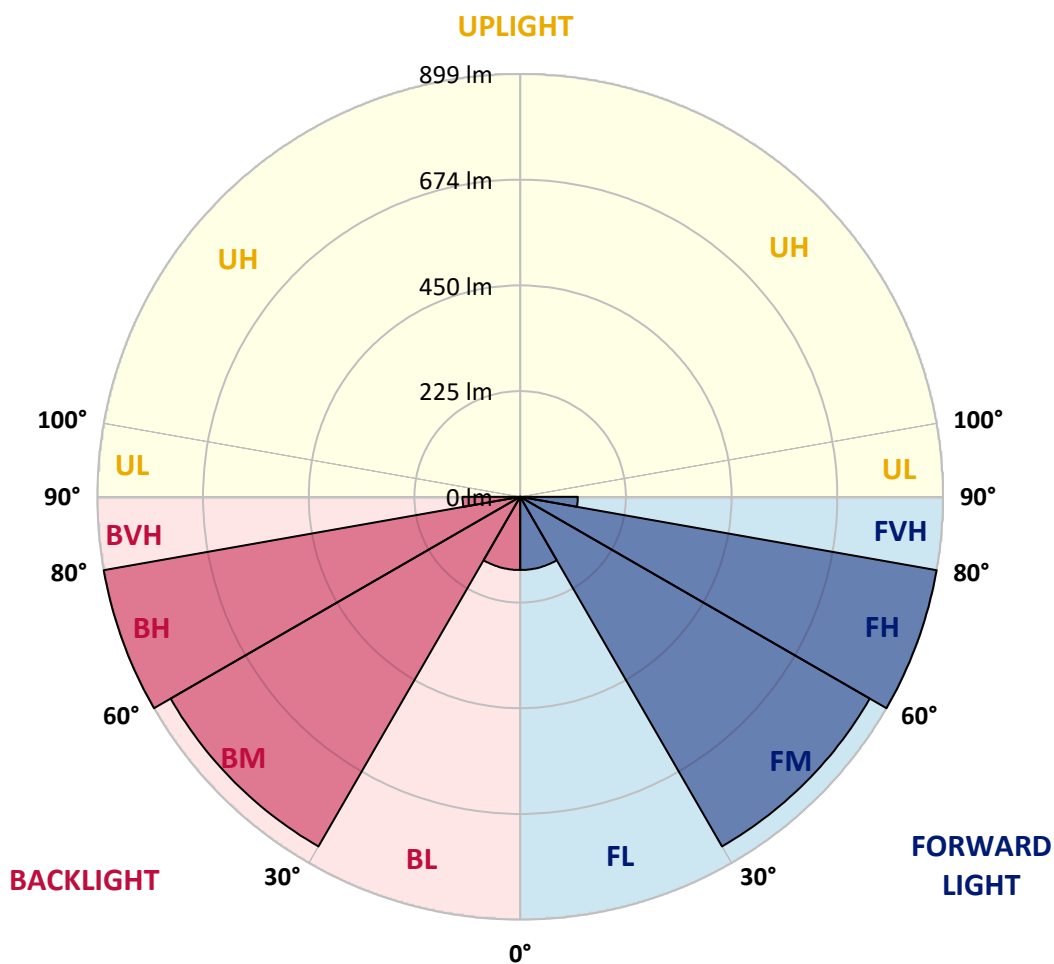
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	155.7	3.8			
FM	(30°-60°)	858.3	21.1			
FH	(60°-80°)	899.1	22.1			G1/1800
FVH	(80°-90°)	122.6	3.0			G2/225
BL	(0°-30°)	155.7	3.8	B1/500		
BM	(30°-60°)	858.3	21.1	B1/1000		
BH	(60°-80°)	899.1	22.1	B2/1000		G1/1800
BVH	(80°-90°)	122.6	3.0			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 V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	285.2	285.2	285.2	285.2	285.2	285.2	285.2	285.2	285.2	285.2	285.2
2.5°	290.1	289.4	289.4	289.4	289.4	289.4	289.4	289.4	289.4	289.4	290.1
5°	295.0	295.0	294.3	293.6	293.6	292.9	292.9	292.9	293.6	294.3	294.3
7.5°	297.2	296.5	296.5	295.7	295.0	295.0	294.3	295.0	295.7	296.5	296.5
10°	301.4	302.1	302.8	303.5	304.2	303.5	302.1	303.5	303.5	302.8	301.4
12.5°	311.2	311.2	313.4	315.5	315.5	314.8	312.6	315.5	314.8	312.6	311.2
15°	324.6	325.3	325.3	327.4	326.0	324.6	322.5	326.0	326.0	324.6	323.9
17.5°	343.6	342.2	340.1	341.5	342.9	342.9	338.7	342.9	340.1	338.7	340.8
20°	364.8	364.1	363.3	364.8	370.4	368.3	366.2	369.0	365.5	360.5	361.9
22.5°	381.0	382.4	384.5	386.6	392.2	390.8	386.6	391.5	385.9	384.5	380.2
25°	401.4	400.7	406.3	406.3	409.8	407.7	402.8	409.8	404.2	406.3	400.0
27.5°	421.8	421.1	425.3	425.3	431.7	430.9	424.6	431.7	425.3	423.9	421.8
30°	445.0	443.6	444.3	450.0	459.1	459.1	453.5	457.0	450.0	442.9	442.2
32.5°	469.7	466.9	471.1	480.2	485.2	483.8	478.1	483.8	481.6	469.7	466.9
35°	493.6	497.1	504.9	512.6	521.8	523.2	518.3	521.1	513.3	504.2	497.1
37.5°	533.8	539.4	549.2	567.6	581.6	585.9	581.6	580.2	569.0	548.5	538.7
40°	590.1	591.5	604.9	632.3	647.1	649.9	642.2	644.3	630.9	608.4	587.3
42.5°	635.9	633.7	657.7	682.3	697.8	704.2	695.7	698.5	680.2	658.4	635.2
45°	673.2	675.3	699.9	724.6	749.2	761.2	754.9	749.9	723.2	698.5	678.1
47.5°	707.7	717.5	734.4	770.4	801.3	814.7	809.8	802.7	774.6	733.7	718.2
50°	751.3	757.7	778.1	824.6	853.4	858.4	854.1	854.1	827.4	780.2	759.1
52.5°	798.5	799.2	829.5	877.4	914.0	933.7	930.2	920.3	878.1	836.5	802.0
55°	854.9	847.1	894.3	944.3	999.2	1031.6	1030.2	1009.1	951.3	896.4	850.6
57.5°	886.5	887.9	930.9	1006.2	1059.1	1068.2	1073.1	1060.5	1016.8	932.3	896.4
60°	893.6	910.5	949.9	1033.0	1074.5	1101.3	1102.7	1081.6	1035.8	955.5	917.5
62.5°	896.4	916.8	965.4	1031.6	1102.0	1128.1	1133.0	1111.2	1037.2	967.5	911.9
65°	900.6	903.4	966.8	1047.8	1105.5	1128.1	1133.7	1111.2	1051.3	962.6	901.3
67.5°	883.0	876.0	931.6	1019.6	1076.0	1102.7	1109.1	1082.3	1021.7	933.0	885.1
70°	819.6	822.5	884.4	968.2	1030.2	1055.5	1059.8	1030.9	967.5	890.8	835.1
72.5°	752.7	759.8	811.9	896.4	952.0	976.7	984.4	954.1	900.6	821.8	764.0
75°	659.8	673.2	723.2	799.2	854.9	892.2	899.9	860.5	796.4	728.1	672.5
77.5°	557.0	566.1	614.0	679.5	739.4	758.4	765.4	746.4	683.0	622.5	570.4
80°	438.0	441.5	490.1	542.2	588.7	604.2	614.7	590.8	547.8	492.9	442.2
82.5°	300.7	305.6	340.1	388.0	428.8	435.2	448.6	428.8	388.7	346.4	308.4
85°	156.3	163.4	190.1	216.2	247.9	255.6	259.8	245.0	223.9	189.4	164.1
87.5°	33.8	37.3	41.5	53.5	64.1	73.2	79.6	66.2	52.8	44.4	33.8
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°	285.2
2.5°	289.4
5°	294.3
7.5°	296.5
10°	301.4
12.5°	310.5
15°	324.6
17.5°	342.2
20°	361.2
22.5°	378.1
25°	398.6
27.5°	421.8
30°	445.7
32.5°	465.5
35°	492.9
37.5°	538.0
40°	592.2
42.5°	635.9
45°	671.8
47.5°	711.9
50°	752.0
52.5°	803.4
55°	854.1
57.5°	880.2
60°	896.4
62.5°	909.1
65°	910.5
67.5°	873.9
70°	818.2
72.5°	754.9
75°	661.9
77.5°	564.0
80°	438.0
82.5°	307.7
85°	161.3
87.5°	31.7
90°	0.0

(END OF REPORT)