

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: P197774

Luminaire Tested: **TT-C1-LED-E1-WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197774
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-C1-LED-E1-WQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3623.3 lumens
Efficiency: N/A
Efficacy: 129.4 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): 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

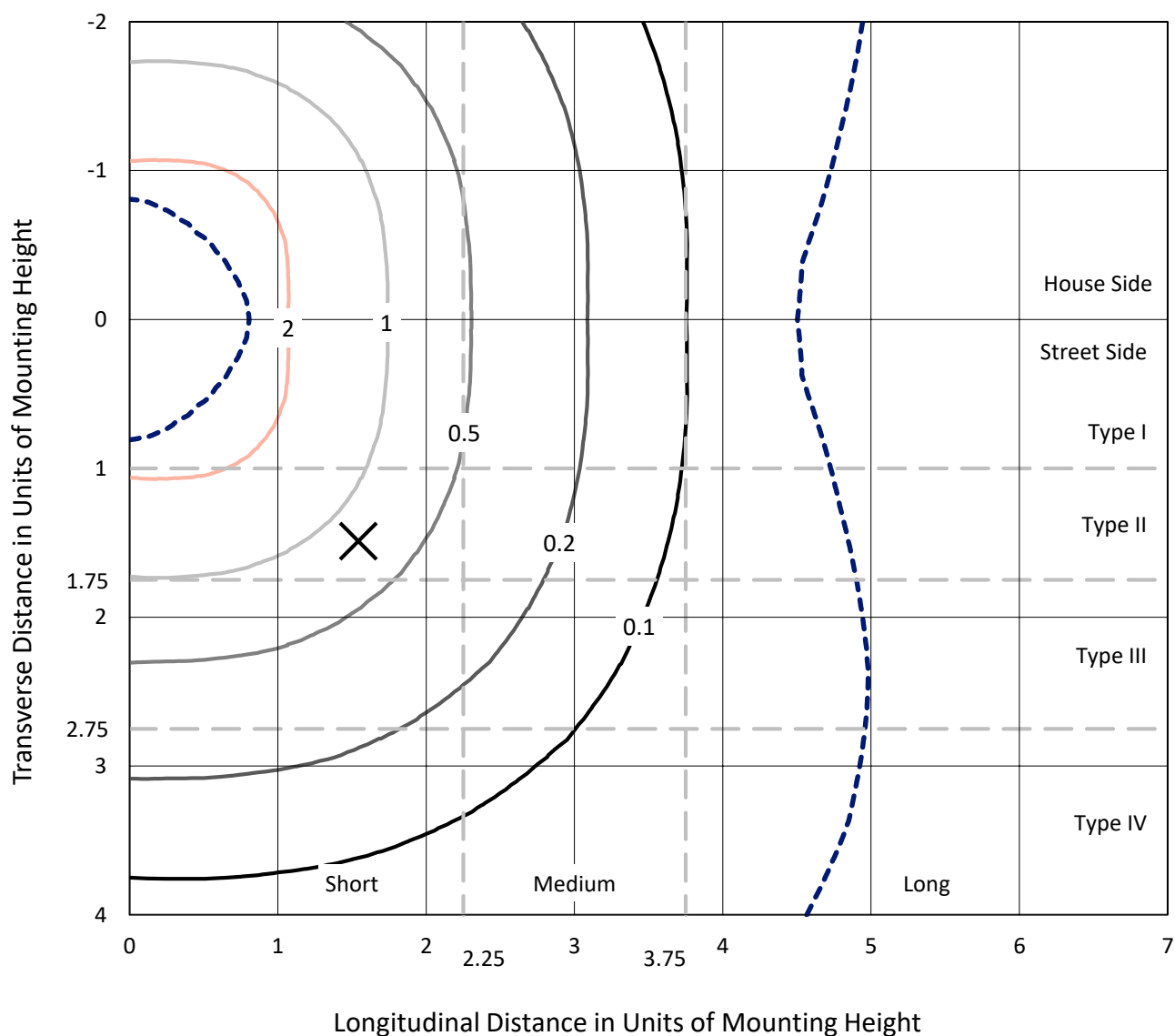


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

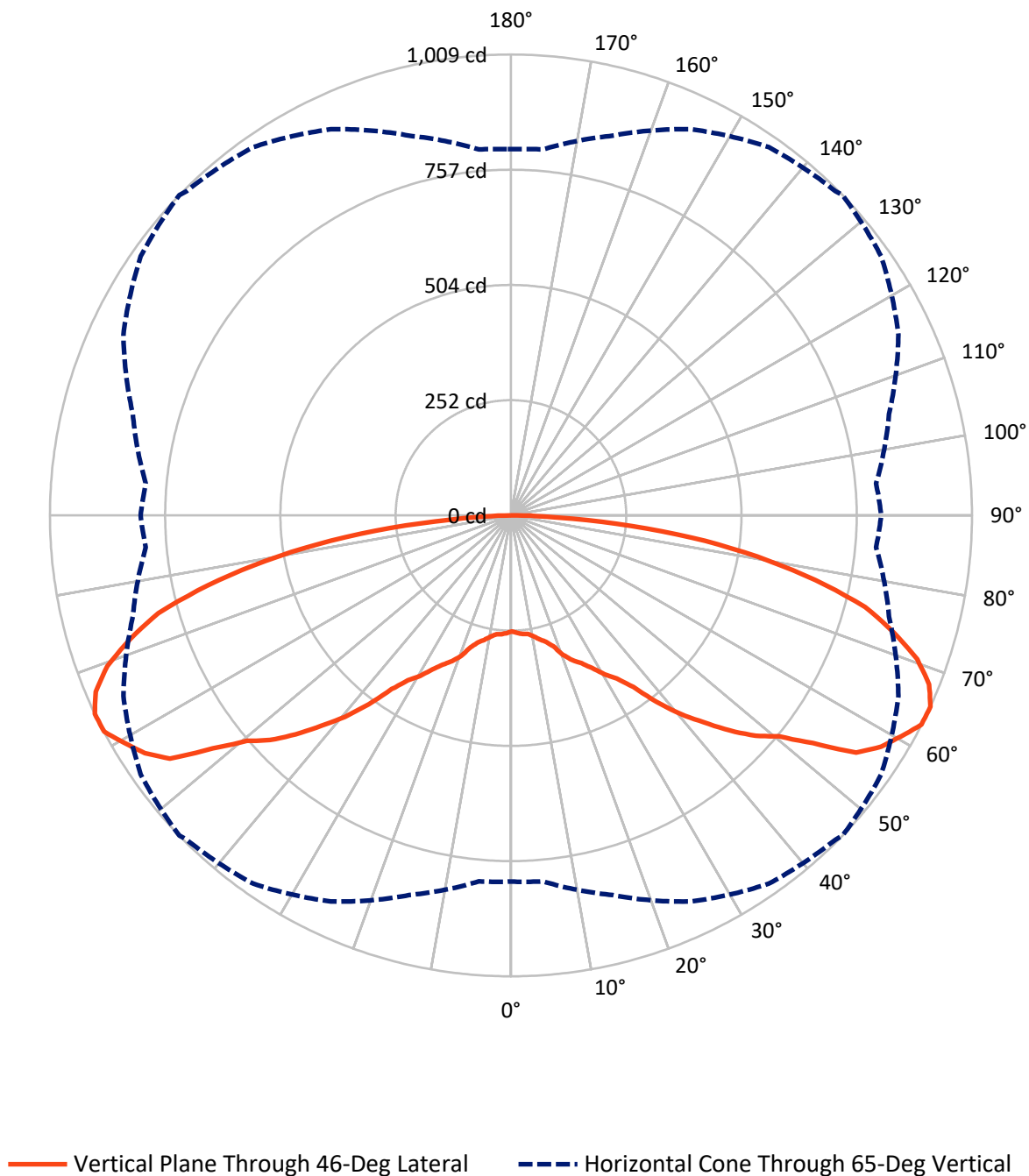


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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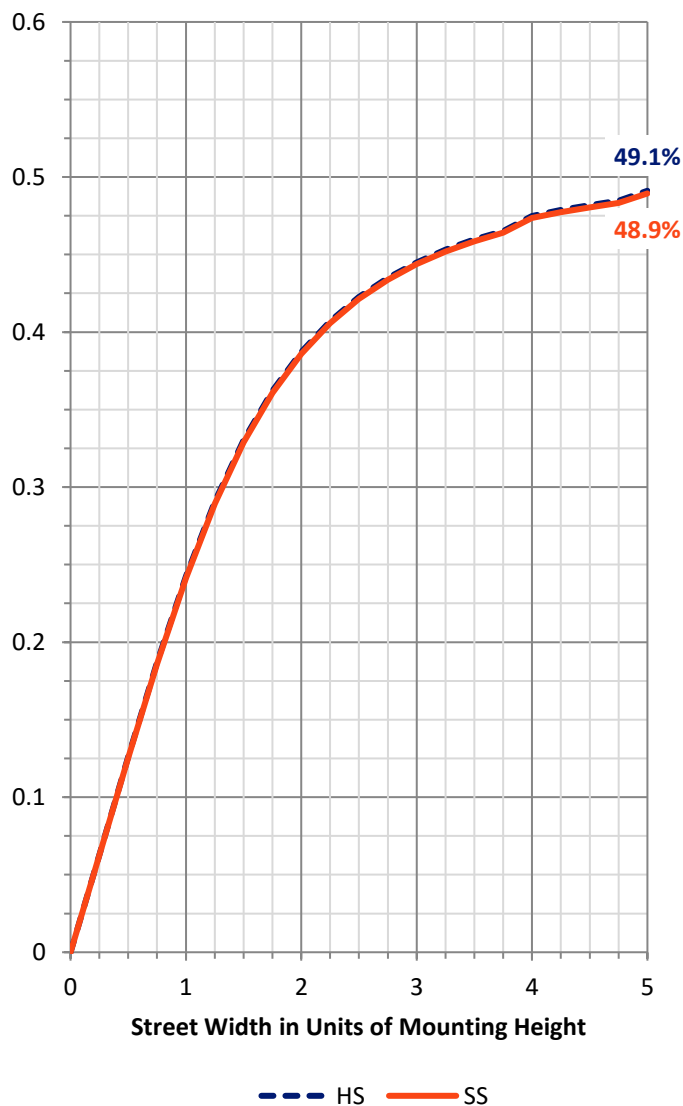
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1811.7	0.0	1811.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1811.7	0.0	1811.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3623.3	0.0	3623.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	0.7
10°-20°	83.6	2.3
20°-30°	168.3	4.6
30°-40°	293.1	8.1
40°-50°	495.7	13.7
50°-60°	738.9	20.4
60°-70°	884.3	24.4
70°-80°	716.0	19.8
80°-90°	218.1	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°	3623.3	100.0
0°-180°	3623.3	100.0

Coefficient of Utilization



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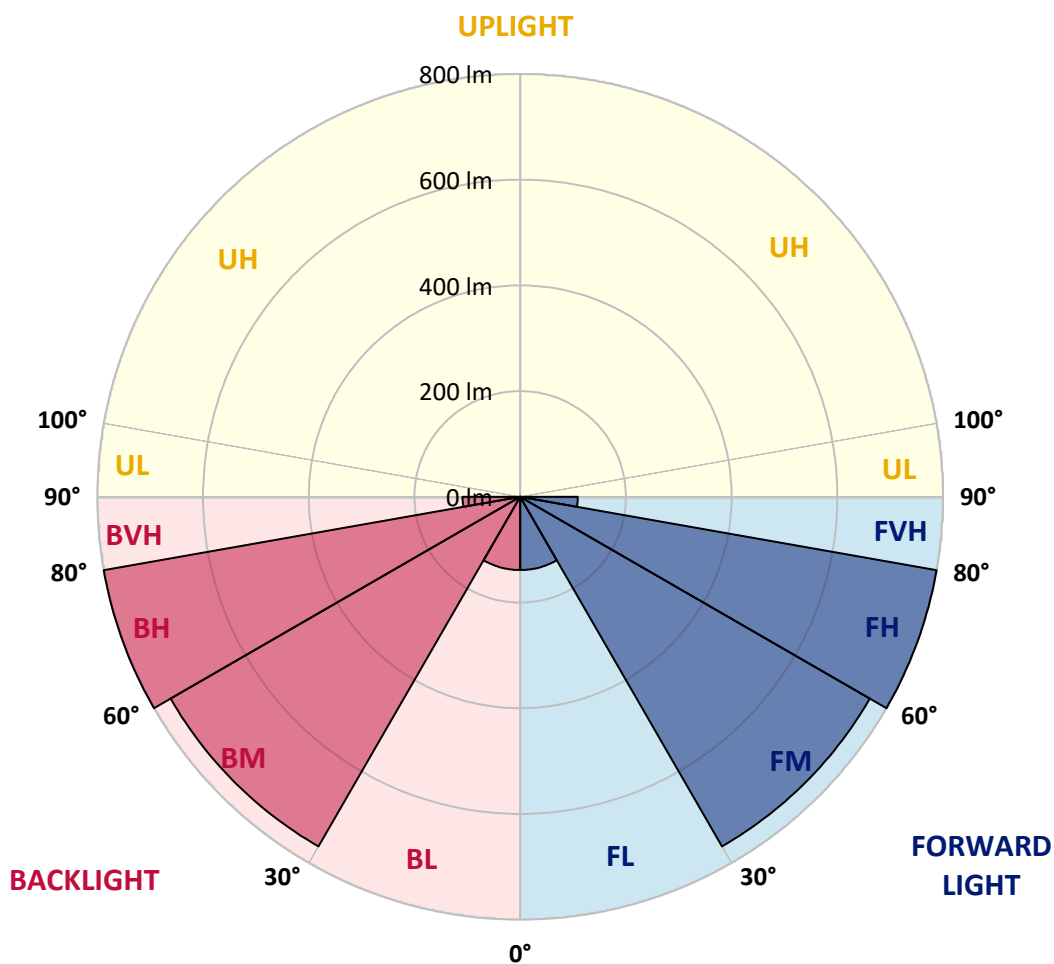
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	138.6	3.8			
FM	(30°-60°)	763.9	21.1			
FH	(60°-80°)	800.2	22.1			G1/1800
FVH	(80°-90°)	109.1	3.0			G2/225
BL	(0°-30°)	138.6	3.8	B1/500		
BM	(30°-60°)	763.9	21.1	B1/1000		
BH	(60°-80°)	800.2	22.1	B2/1000		G1/1800
BVH	(80°-90°)	109.1	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°	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8
2.5°	258.2	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	258.2
5°	262.6	262.6	261.9	261.3	261.3	260.7	260.7	260.7	261.3	261.9	261.9
7.5°	264.5	263.8	263.8	263.2	262.6	262.6	261.9	262.6	263.2	263.8	263.8
10°	268.2	268.8	269.5	270.1	270.7	270.1	268.8	270.1	270.1	269.5	268.2
12.5°	277.0	277.0	278.9	280.7	280.7	280.1	278.2	280.7	280.1	278.2	277.0
15°	288.9	289.5	289.5	291.4	290.1	288.9	287.0	290.1	290.1	288.9	288.3
17.5°	305.8	304.6	302.7	303.9	305.2	305.2	301.4	305.2	302.7	301.4	303.3
20°	324.6	324.0	323.4	324.6	329.6	327.7	325.9	328.4	325.2	320.9	322.1
22.5°	339.0	340.3	342.2	344.0	349.1	347.8	344.0	348.4	343.4	342.2	338.4
25°	357.2	356.6	361.6	361.6	364.7	362.8	358.5	364.7	359.7	361.6	355.9
27.5°	375.4	374.7	378.5	378.5	384.1	383.5	377.9	384.1	378.5	377.3	375.4
30°	396.1	394.8	395.4	400.4	408.6	408.6	403.6	406.7	400.4	394.2	393.5
32.5°	418.0	415.5	419.2	427.4	431.8	430.5	425.5	430.5	428.6	418.0	415.5
35°	439.3	442.4	449.3	456.2	464.4	465.6	461.2	463.7	456.8	448.7	442.4
37.5°	475.0	480.0	488.8	505.1	517.6	521.4	517.6	516.4	506.3	488.2	479.4
40°	525.1	526.4	538.3	562.7	575.9	578.4	571.5	573.4	561.5	541.4	522.6
42.5°	565.9	564.0	585.3	607.2	621.0	626.7	619.1	621.7	605.4	585.9	565.3
45°	599.1	601.0	622.9	644.8	666.8	677.4	671.8	667.4	643.6	621.7	603.5
47.5°	629.8	638.6	653.6	685.6	713.1	725.0	720.7	714.4	689.3	653.0	639.2
50°	668.6	674.3	692.5	733.8	759.5	763.9	760.1	760.1	736.3	694.3	675.5
52.5°	710.6	711.3	738.2	780.8	813.4	831.0	827.8	819.0	781.4	744.5	713.8
55°	760.8	753.9	795.9	840.4	889.2	918.1	916.8	898.0	846.6	797.7	757.0
57.5°	789.0	790.2	828.4	895.5	942.5	950.6	955.0	943.8	904.9	829.7	797.7
60°	795.2	810.3	845.4	919.3	956.3	980.1	981.4	962.6	921.8	850.4	816.5
62.5°	797.7	815.9	859.2	918.1	980.7	1003.9	1008.3	988.9	923.1	861.0	811.5
65°	801.5	804.0	860.4	932.5	983.9	1003.9	1008.9	988.9	935.6	856.6	802.1
67.5°	785.8	779.6	829.1	907.4	957.5	981.4	987.0	963.2	909.3	830.3	787.7
70°	729.4	731.9	787.1	861.7	916.8	939.4	943.1	917.4	861.0	792.7	743.2
72.5°	669.9	676.2	722.5	797.7	847.2	869.2	876.1	849.1	801.5	731.3	679.9
75°	587.2	599.1	643.6	711.3	760.8	794.0	800.9	765.8	708.8	648.0	598.5
77.5°	495.7	503.8	546.5	604.7	658.0	674.9	681.2	664.3	607.9	554.0	507.6
80°	389.8	392.9	436.2	482.5	523.9	537.7	547.1	525.8	487.5	438.7	393.5
82.5°	267.6	272.0	302.7	345.3	381.6	387.3	399.2	381.6	345.9	308.3	274.5
85°	139.1	145.4	169.2	192.4	220.6	227.5	231.2	218.1	199.3	168.6	146.0
87.5°	30.1	33.2	37.0	47.6	57.0	65.2	70.8	58.9	47.0	39.5	30.1
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°	253.8
2.5°	257.6
5°	261.9
7.5°	263.8
10°	268.2
12.5°	276.4
15°	288.9
17.5°	304.6
20°	321.5
22.5°	336.5
25°	354.7
27.5°	375.4
30°	396.7
32.5°	414.2
35°	438.7
37.5°	478.8
40°	527.0
42.5°	565.9
45°	597.8
47.5°	633.6
50°	669.3
52.5°	715.0
55°	760.1
57.5°	783.3
60°	797.7
62.5°	809.0
65°	810.3
67.5°	777.7
70°	728.2
72.5°	671.8
75°	589.1
77.5°	502.0
80°	389.8
82.5°	273.9
85°	143.5
87.5°	28.2
90°	0.0

(END OF REPORT)