

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: P197776

Luminaire Tested: **TT-C1-LED-E1-WQ-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197776
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-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: 3354.7 lumens
Efficiency: N/A
Efficacy: 119.8 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



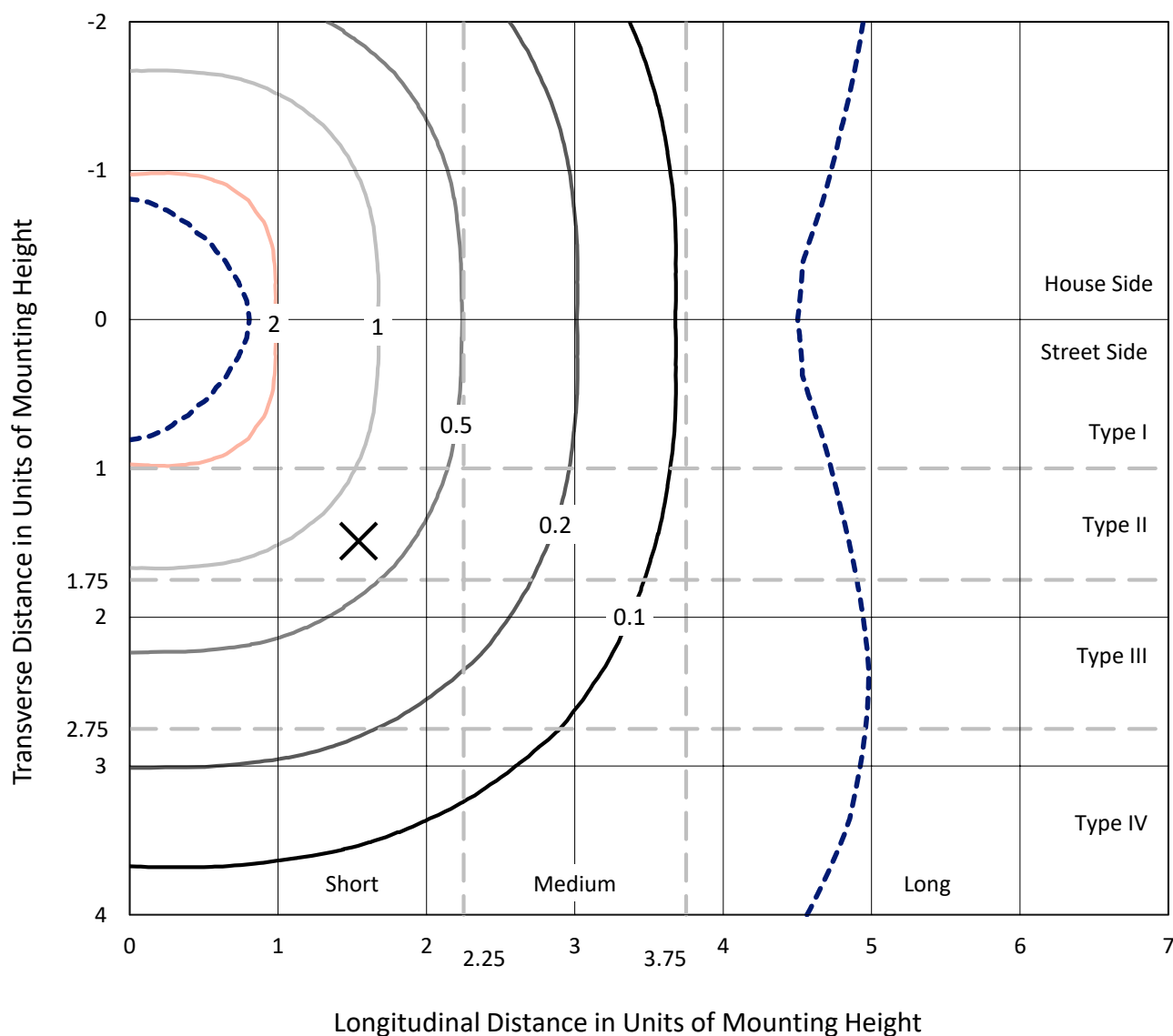
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

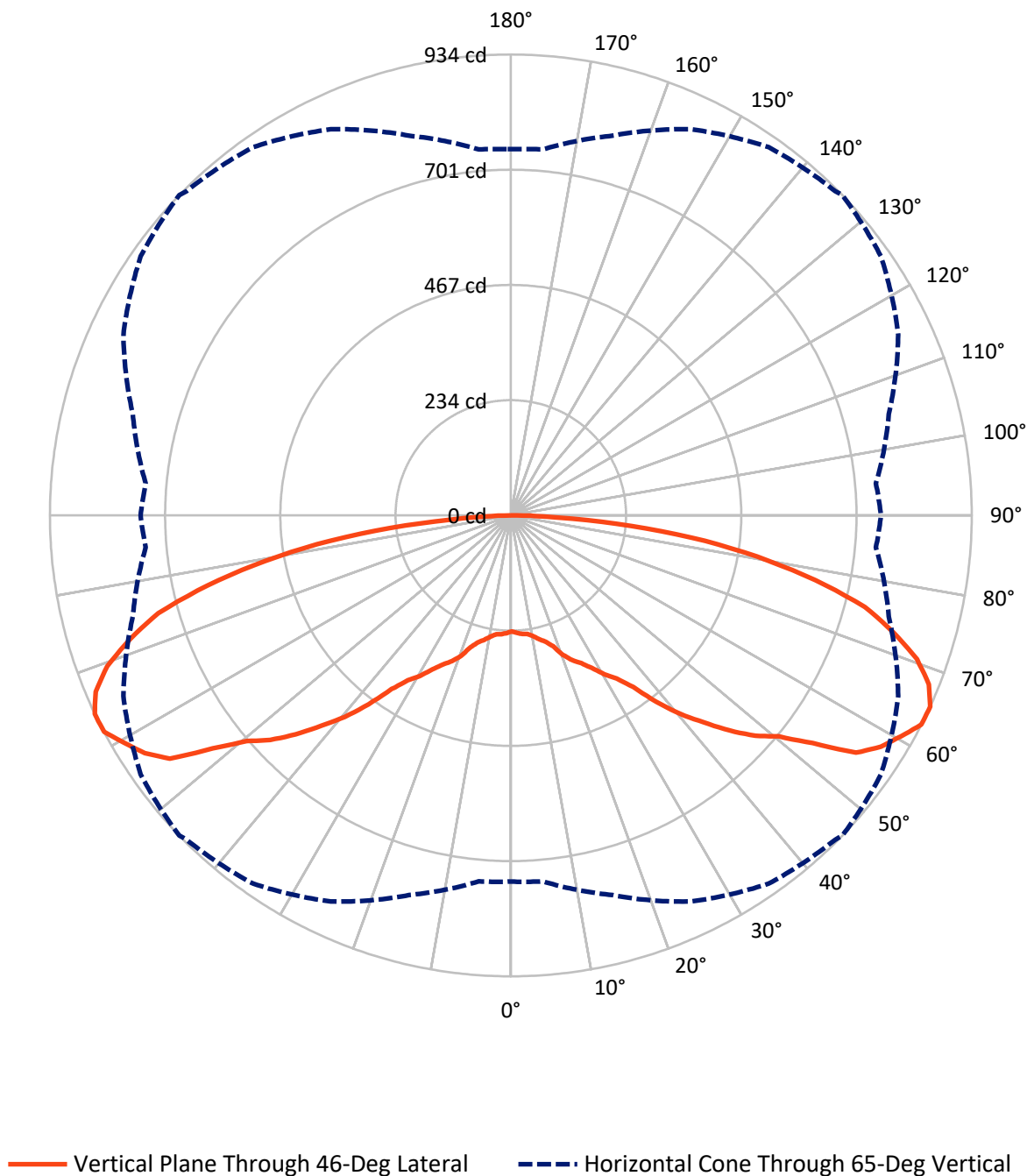


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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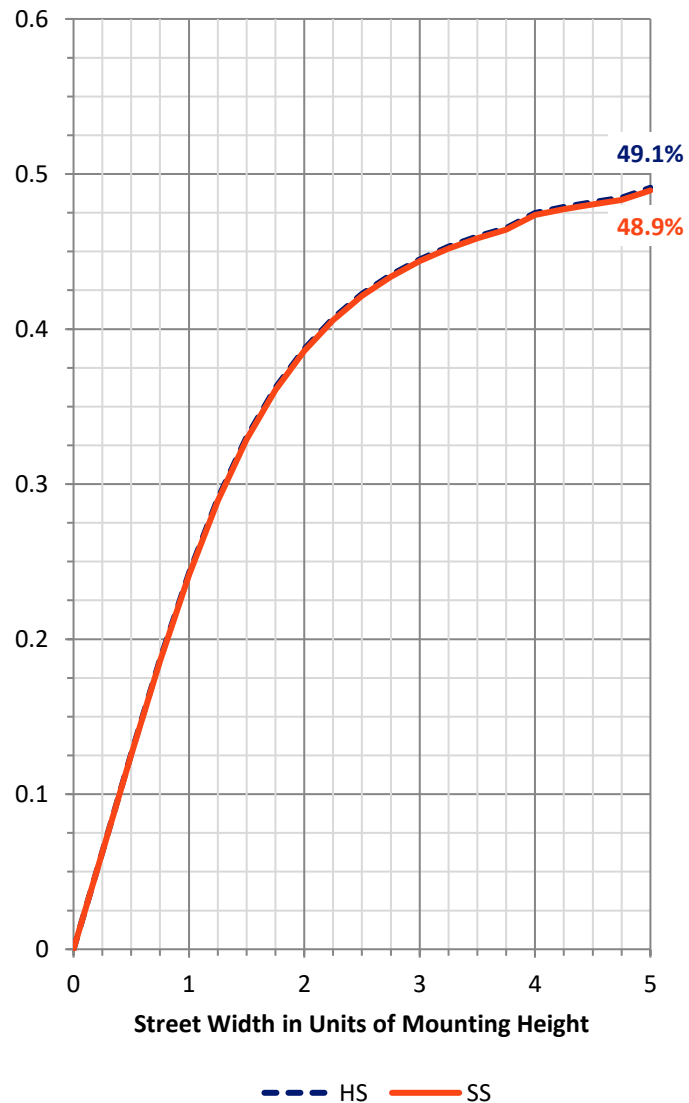
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1677.4	0.0	1677.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1677.4	0.0	1677.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	3354.7	0.0	3354.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	0.7
10°-20°	77.5	2.3
20°-30°	155.9	4.6
30°-40°	271.4	8.1
40°-50°	459.0	13.7
50°-60°	684.1	20.4
60°-70°	818.8	24.4
70°-80°	662.9	19.8
80°-90°	202.0	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°	3354.7	100.0
0°-180°	3354.7	100.0

Coefficient of Utilization



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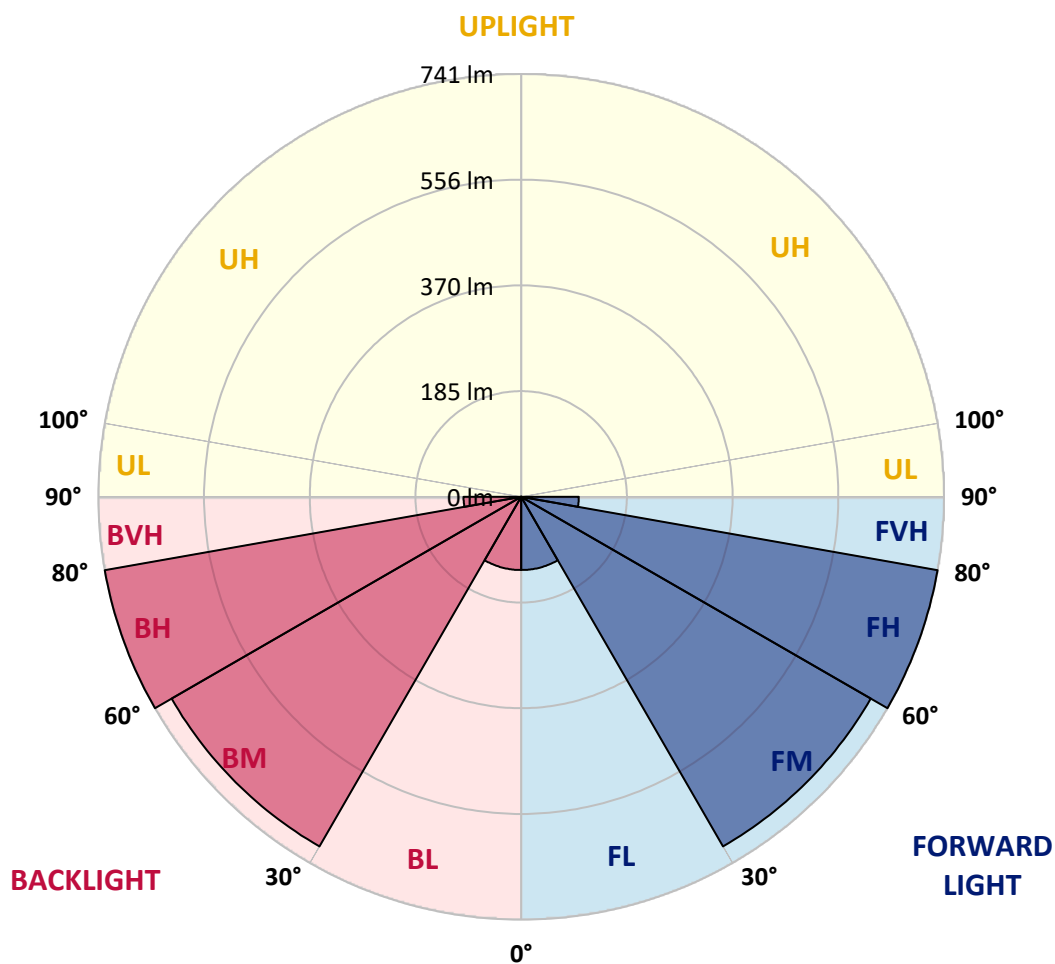
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	128.3	3.8			
FM	(30°-60°)	707.3	21.1			
FH	(60°-80°)	740.8	22.1			G1/1800
FVH	(80°-90°)	101.0	3.0			G2/225
BL	(0°-30°)	128.3	3.8	B1/500		
BM	(30°-60°)	707.3	21.1	B1/1000		
BH	(60°-80°)	740.8	22.1	B2/1000		G1/1800
BVH	(80°-90°)	101.0	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°	235.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0
2.5°	239.0	238.5	238.5	238.5	238.5	238.5	238.5	238.5	238.5	238.5	239.0
5°	243.1	243.1	242.5	241.9	241.9	241.4	241.4	241.4	241.9	242.5	242.5
7.5°	244.8	244.3	244.3	243.7	243.1	243.1	242.5	243.1	243.7	244.3	244.3
10°	248.3	248.9	249.5	250.1	250.7	250.1	248.9	250.1	250.1	249.5	248.3
12.5°	256.5	256.5	258.2	259.9	259.9	259.4	257.6	259.9	259.4	257.6	256.5
15°	267.5	268.1	268.1	269.8	268.6	267.5	265.7	268.6	268.6	267.5	266.9
17.5°	283.1	282.0	280.2	281.4	282.6	282.6	279.1	282.6	280.2	279.1	280.8
20°	300.5	300.0	299.4	300.5	305.2	303.5	301.7	304.0	301.1	297.1	298.2
22.5°	313.9	315.1	316.8	318.5	323.2	322.0	318.5	322.6	318.0	316.8	313.3
25°	330.7	330.1	334.8	334.8	337.7	335.9	331.9	337.7	333.0	334.8	329.6
27.5°	347.5	347.0	350.4	350.4	355.7	355.1	349.9	355.7	350.4	349.3	347.5
30°	366.7	365.5	366.1	370.8	378.3	378.3	373.7	376.6	370.8	365.0	364.4
32.5°	387.0	384.7	388.2	395.7	399.8	398.6	394.0	398.6	396.9	387.0	384.7
35°	406.7	409.6	416.0	422.4	429.9	431.1	427.0	429.4	423.0	415.4	409.6
37.5°	439.8	444.4	452.6	467.7	479.3	482.7	479.3	478.1	468.8	452.0	443.9
40°	486.2	487.4	498.4	521.0	533.2	535.5	529.2	530.9	519.9	501.3	483.9
42.5°	523.9	522.2	541.9	562.2	575.0	580.2	573.2	575.6	560.5	542.5	523.4
45°	554.7	556.4	576.7	597.0	617.3	627.2	622.0	617.9	595.9	575.6	558.7
47.5°	583.1	591.2	605.2	634.8	660.3	671.3	667.2	661.4	638.2	604.6	591.8
50°	619.1	624.3	641.1	679.4	703.2	707.3	703.8	703.8	681.7	642.9	625.5
52.5°	658.0	658.5	683.5	722.9	753.1	769.4	766.5	758.3	723.5	689.3	660.9
55°	704.4	698.0	736.9	778.1	823.3	850.0	848.9	831.4	783.9	738.6	700.9
57.5°	730.5	731.6	767.0	829.1	872.6	880.2	884.2	873.8	837.8	768.2	738.6
60°	736.3	750.2	782.7	851.2	885.4	907.5	908.6	891.2	853.5	787.3	756.0
62.5°	738.6	755.4	795.5	850.0	908.0	929.5	933.6	915.6	854.7	797.2	751.4
65°	742.1	744.4	796.6	863.4	910.9	929.5	934.1	915.6	866.3	793.1	742.7
67.5°	727.6	721.8	767.6	840.1	886.6	908.6	913.8	891.8	841.9	768.8	729.3
70°	675.4	677.7	728.7	797.8	848.9	869.7	873.2	849.4	797.2	734.0	688.1
72.5°	620.2	626.0	669.0	738.6	784.4	804.8	811.1	786.2	742.1	677.1	629.5
75°	543.7	554.7	595.9	658.5	704.4	735.1	741.5	709.0	656.2	599.9	554.1
77.5°	458.9	466.5	505.9	559.9	609.2	624.9	630.7	615.0	562.8	512.9	470.0
80°	360.9	363.8	403.8	446.8	485.1	497.8	506.5	486.8	451.4	406.1	364.4
82.5°	247.8	251.8	280.2	319.7	353.3	358.6	369.6	353.3	320.3	285.5	254.1
85°	128.8	134.6	156.7	178.1	204.2	210.6	214.1	201.9	184.5	156.1	135.2
87.5°	27.9	30.8	34.2	44.1	52.8	60.3	65.6	54.5	43.5	36.6	27.9
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°	235.0
2.5°	238.5
5°	242.5
7.5°	244.3
10°	248.3
12.5°	255.9
15°	267.5
17.5°	282.0
20°	297.6
22.5°	311.6
25°	328.4
27.5°	347.5
30°	367.3
32.5°	383.5
35°	406.1
37.5°	443.3
40°	488.0
42.5°	523.9
45°	553.5
47.5°	586.6
50°	619.7
52.5°	662.0
55°	703.8
57.5°	725.3
60°	738.6
62.5°	749.1
65°	750.2
67.5°	720.0
70°	674.2
72.5°	622.0
75°	545.4
77.5°	464.7
80°	360.9
82.5°	253.6
85°	132.9
87.5°	26.1
90°	0.0

(END OF REPORT)