

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: P197773

Luminaire Tested: **TT-C1-LED-E1-WQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197773
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-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3101.1 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G1

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



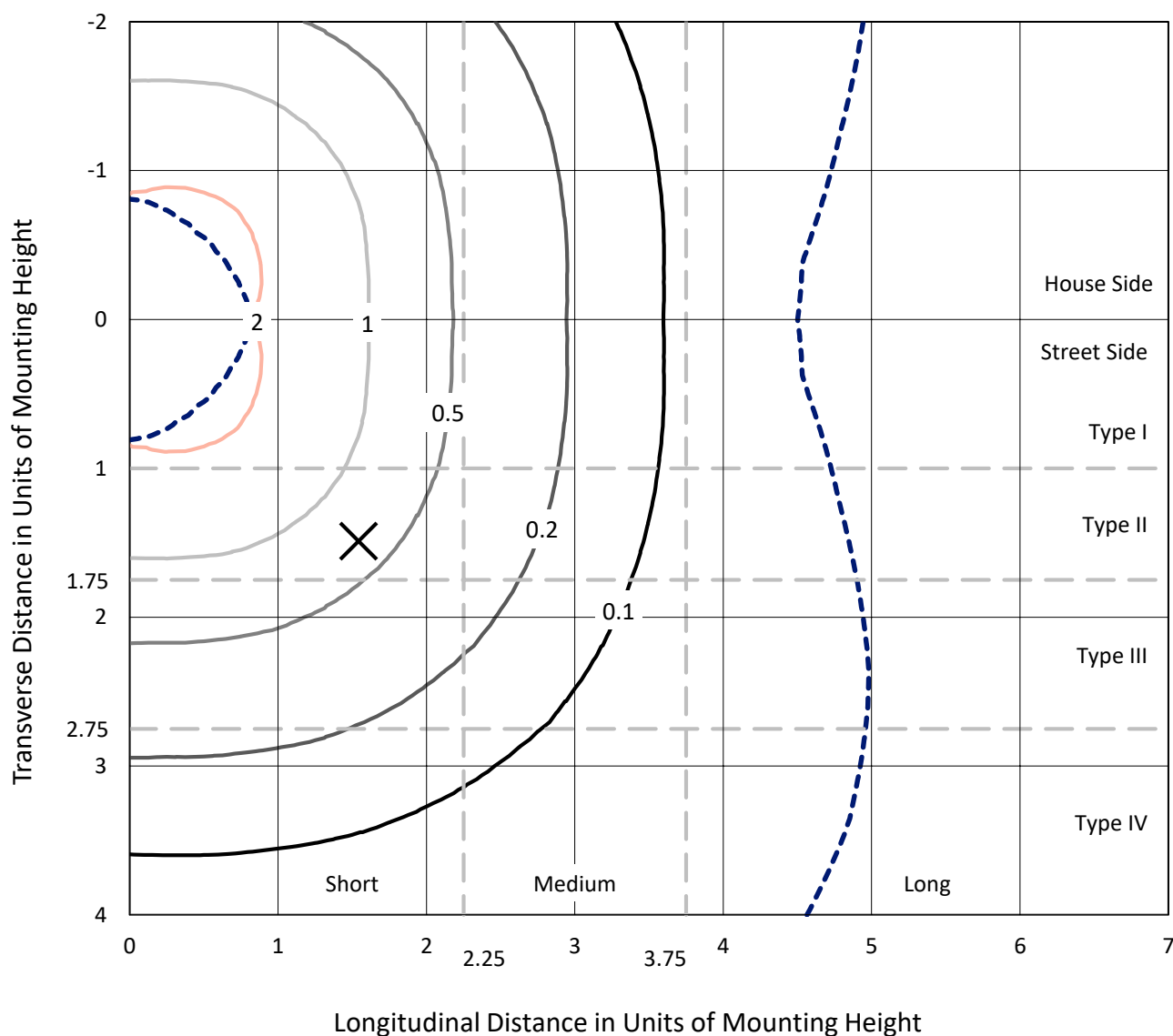
REPORT NUMBER: P197773

CATALOG NUMBER: TT-C1-LED-E1-WQ-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

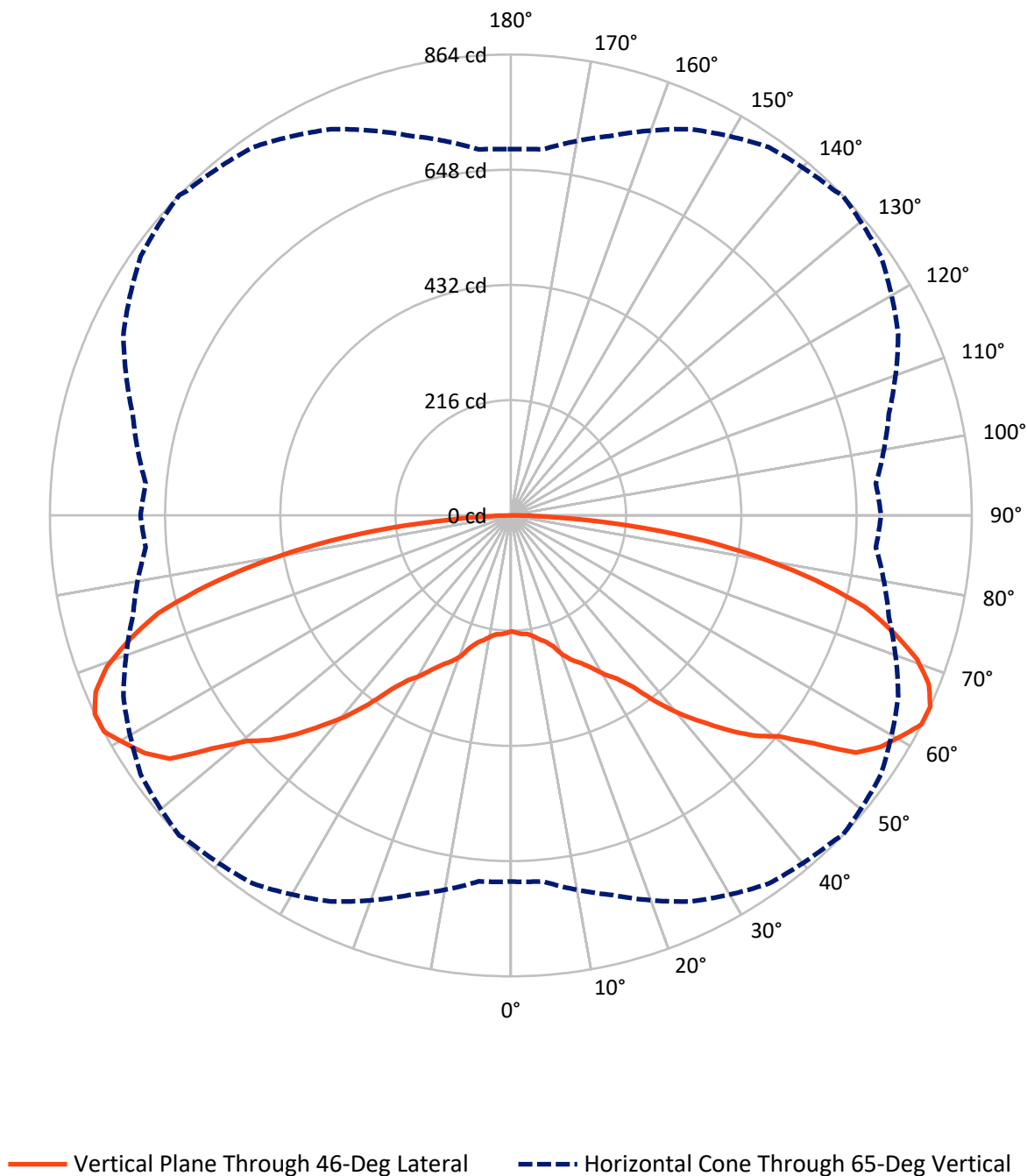


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P197773

CATALOG NUMBER: TT-C1-LED-E1-WQ-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P197773

CATALOG NUMBER: TT-C1-LED-E1-WQ-8030

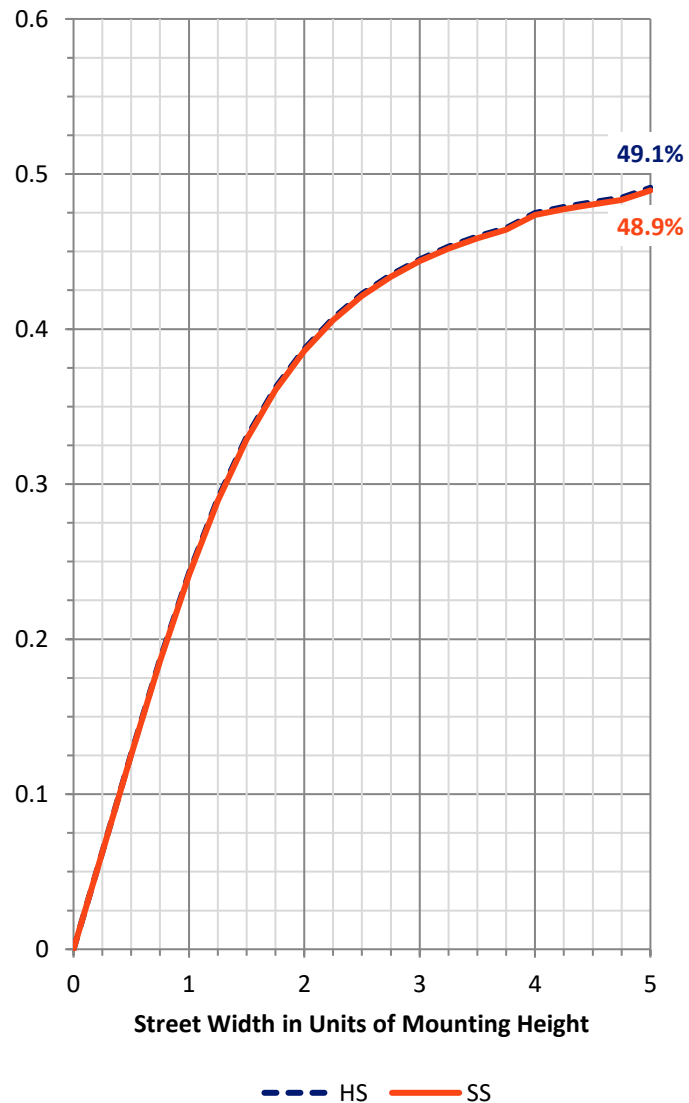
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1550.6	0.0	1550.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1550.6	0.0	1550.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	3101.1	0.0	3101.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	0.7
10°-20°	71.6	2.3
20°-30°	144.1	4.6
30°-40°	250.9	8.1
40°-50°	424.3	13.7
50°-60°	632.4	20.4
60°-70°	756.9	24.4
70°-80°	612.8	19.8
80°-90°	186.7	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°	3101.1	100.0
0°-180°	3101.1	100.0

Coefficient of Utilization



REPORT NUMBER: P197773

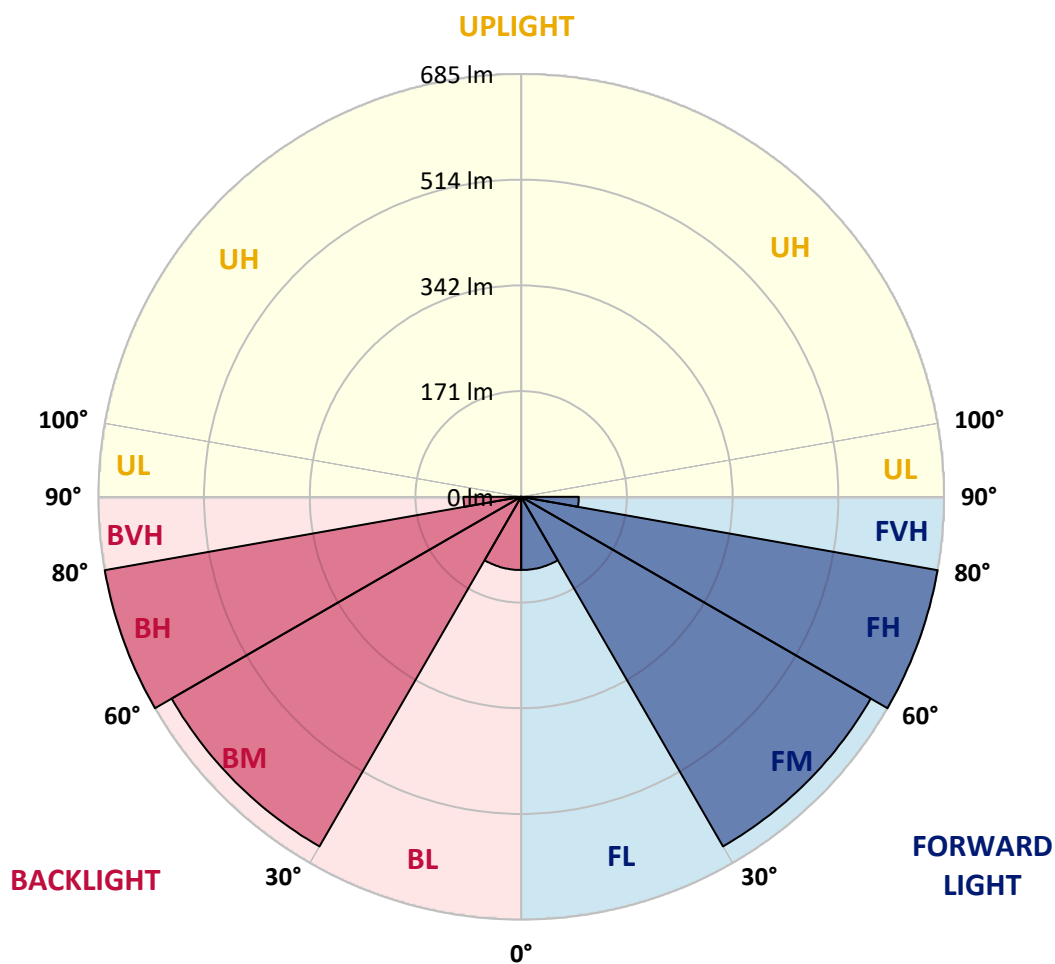
CATALOG NUMBER: TT-C1-LED-E1-WQ-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	118.6	3.8			
FM	(30°-60°)	653.8	21.1			
FH	(60°-80°)	684.8	22.1			G1/1800
FVH	(80°-90°)	93.3	3.0			G1/100
BL	(0°-30°)	118.6	3.8	B1/500		
BM	(30°-60°)	653.8	21.1	B1/1000		
BH	(60°-80°)	684.8	22.1	B2/1000		G1/1800
BVH	(80°-90°)	93.3	3.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



REPORT NUMBER: P197773

CATALOG NUMBER: TT-C1-LED-E1-WQ-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	217.2	217.2	217.2	217.2	217.2	217.2	217.2	217.2	217.2	217.2	217.2
2.5°	221.0	220.4	220.4	220.4	220.4	220.4	220.4	220.4	220.4	220.4	221.0
5°	224.7	224.7	224.2	223.7	223.7	223.1	223.1	223.1	223.7	224.2	224.2
7.5°	226.3	225.8	225.8	225.3	224.7	224.7	224.2	224.7	225.3	225.8	225.8
10°	229.6	230.1	230.6	231.2	231.7	231.2	230.1	231.2	231.2	230.6	229.6
12.5°	237.1	237.1	238.7	240.3	240.3	239.7	238.1	240.3	239.7	238.1	237.1
15°	247.3	247.8	247.8	249.4	248.3	247.3	245.6	248.3	248.3	247.3	246.7
17.5°	261.7	260.7	259.1	260.1	261.2	261.2	258.0	261.2	259.1	258.0	259.6
20°	277.8	277.3	276.8	277.8	282.1	280.5	278.9	281.0	278.4	274.6	275.7
22.5°	290.2	291.2	292.8	294.5	298.7	297.7	294.5	298.2	293.9	292.8	289.6
25°	305.7	305.2	309.5	309.5	312.2	310.5	306.8	312.2	307.9	309.5	304.6
27.5°	321.3	320.7	324.0	324.0	328.8	328.2	323.4	328.8	324.0	322.9	321.3
30°	339.0	337.9	338.4	342.7	349.7	349.7	345.4	348.1	342.7	337.4	336.8
32.5°	357.7	355.6	358.8	365.8	369.5	368.5	364.2	368.5	366.9	357.7	355.6
35°	376.0	378.7	384.6	390.5	397.4	398.5	394.8	396.9	391.0	384.0	378.7
37.5°	406.6	410.8	418.4	432.3	443.0	446.2	443.0	442.0	433.4	417.8	410.3
40°	449.5	450.5	460.7	481.6	492.9	495.1	489.2	490.8	480.6	463.4	447.3
42.5°	484.3	482.7	501.0	519.7	531.5	536.4	529.9	532.1	518.1	501.5	483.8
45°	512.8	514.4	533.1	551.9	570.7	579.8	575.0	571.2	550.8	532.1	516.5
47.5°	539.0	546.5	559.4	586.8	610.4	620.6	616.8	611.4	590.0	558.9	547.1
50°	572.3	577.1	592.7	628.1	650.1	653.8	650.6	650.6	630.2	594.3	578.2
52.5°	608.2	608.8	631.8	668.3	696.2	711.2	708.5	701.0	668.8	637.2	610.9
55°	651.1	645.2	681.2	719.2	761.1	785.8	784.7	768.6	724.6	682.8	647.9
57.5°	675.3	676.3	709.1	766.4	806.7	813.6	817.4	807.7	774.5	710.1	682.8
60°	680.6	693.5	723.5	786.8	818.5	838.9	839.9	823.8	789.0	727.8	698.9
62.5°	682.8	698.3	735.3	785.8	839.4	859.2	863.0	846.4	790.0	736.9	694.6
65°	686.0	688.1	736.4	798.1	842.1	859.2	863.5	846.4	800.8	733.2	686.5
67.5°	672.6	667.2	709.6	776.6	819.5	839.9	844.8	824.4	778.2	710.7	674.2
70°	624.3	626.5	673.7	737.5	784.7	804.0	807.2	785.2	736.9	678.5	636.1
72.5°	573.4	578.7	618.4	682.8	725.1	743.9	749.8	726.8	686.0	625.9	581.9
75°	502.6	512.8	550.8	608.8	651.1	679.6	685.5	655.4	606.6	554.6	512.2
77.5°	424.3	431.2	467.7	517.6	563.2	577.7	583.0	568.5	520.3	474.1	434.4
80°	333.6	336.3	373.3	413.0	448.4	460.2	468.2	450.0	417.3	375.4	336.8
82.5°	229.0	232.8	259.1	295.5	326.6	331.5	341.7	326.6	296.1	263.9	234.9
85°	119.1	124.4	144.8	164.7	188.8	194.7	197.9	186.7	170.6	144.3	125.0
87.5°	25.7	28.4	31.6	40.8	48.8	55.8	60.6	50.4	40.2	33.8	25.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P197773

CATALOG NUMBER: TT-C1-LED-E1-WQ-8030

CANDELA DISTRIBUTION (continued):

	90°
0°	217.2
2.5°	220.4
5°	224.2
7.5°	225.8
10°	229.6
12.5°	236.5
15°	247.3
17.5°	260.7
20°	275.1
22.5°	288.0
25°	303.6
27.5°	321.3
30°	339.5
32.5°	354.5
35°	375.4
37.5°	409.8
40°	451.1
42.5°	484.3
45°	511.7
47.5°	542.3
50°	572.8
52.5°	612.0
55°	650.6
57.5°	670.4
60°	682.8
62.5°	692.4
65°	693.5
67.5°	665.6
70°	623.2
72.5°	575.0
75°	504.2
77.5°	429.6
80°	333.6
82.5°	234.4
85°	122.8
87.5°	24.1
90°	0.0

(END OF REPORT)