

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: P198136

Luminaire Tested: **TT-C1-LED-E1-RW-SG-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34699)
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-SG-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2789.1 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full 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

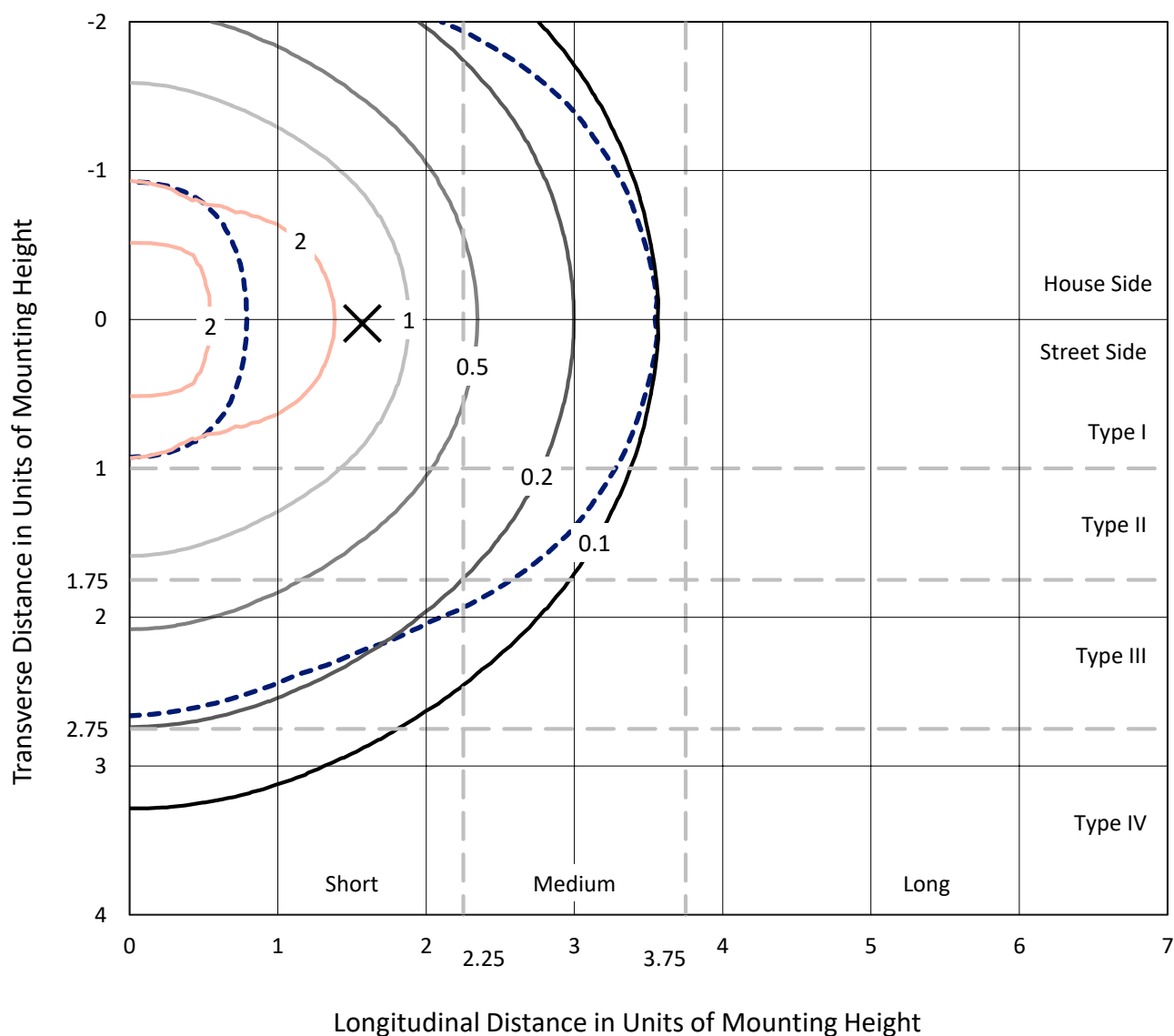


REPORT NUMBER: P198136

CATALOG NUMBER: TT-C1-LED-E1-RW-SG-7060

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

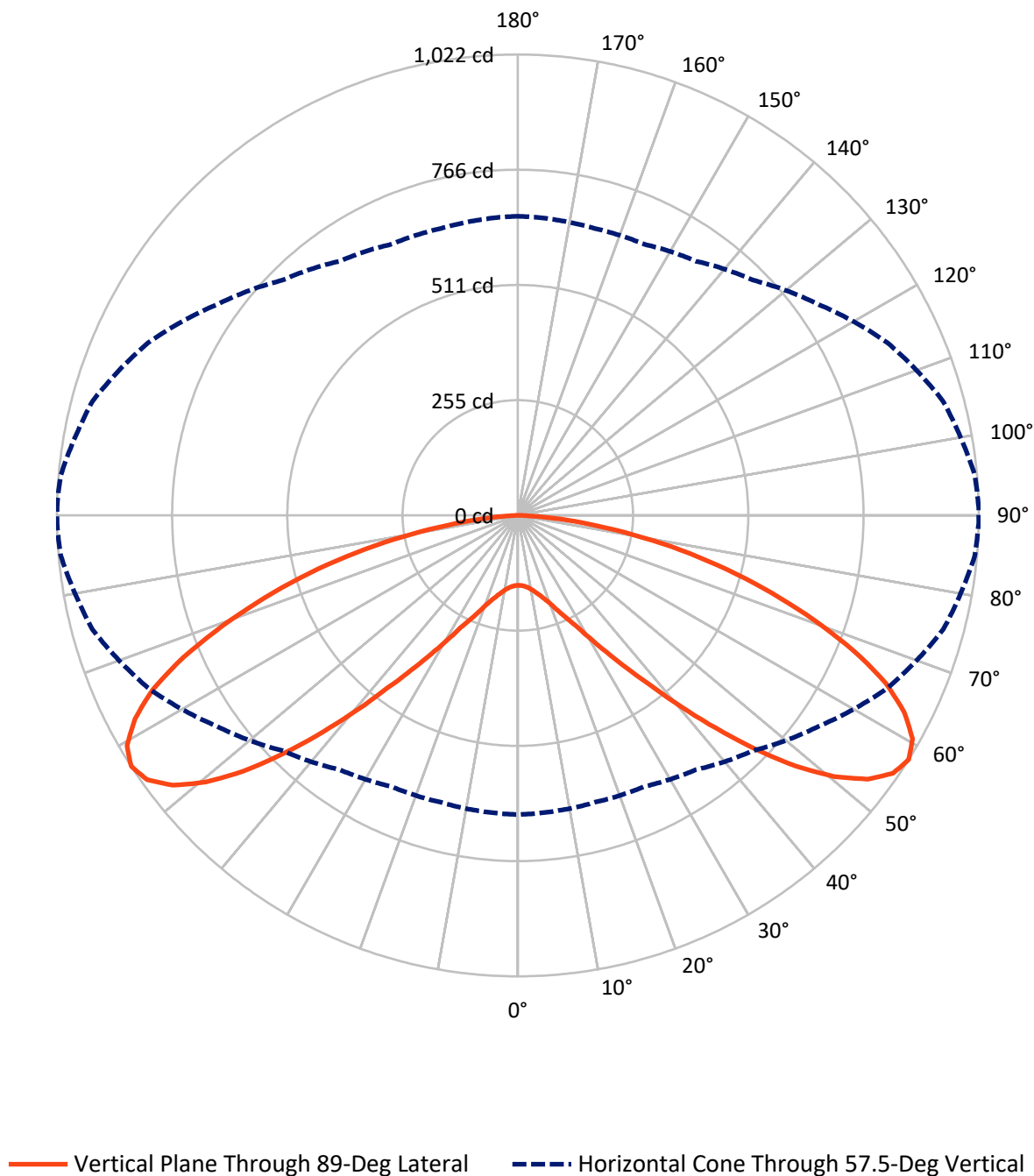


Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Short - Full Cutoff

REPORT NUMBER: P198136

CATALOG NUMBER: TT-C1-LED-E1-RW-SG-7060

Luminous Intensity Polar Plot



REPORT NUMBER: P198136

CATALOG NUMBER: TT-C1-LED-E1-RW-SG-7060

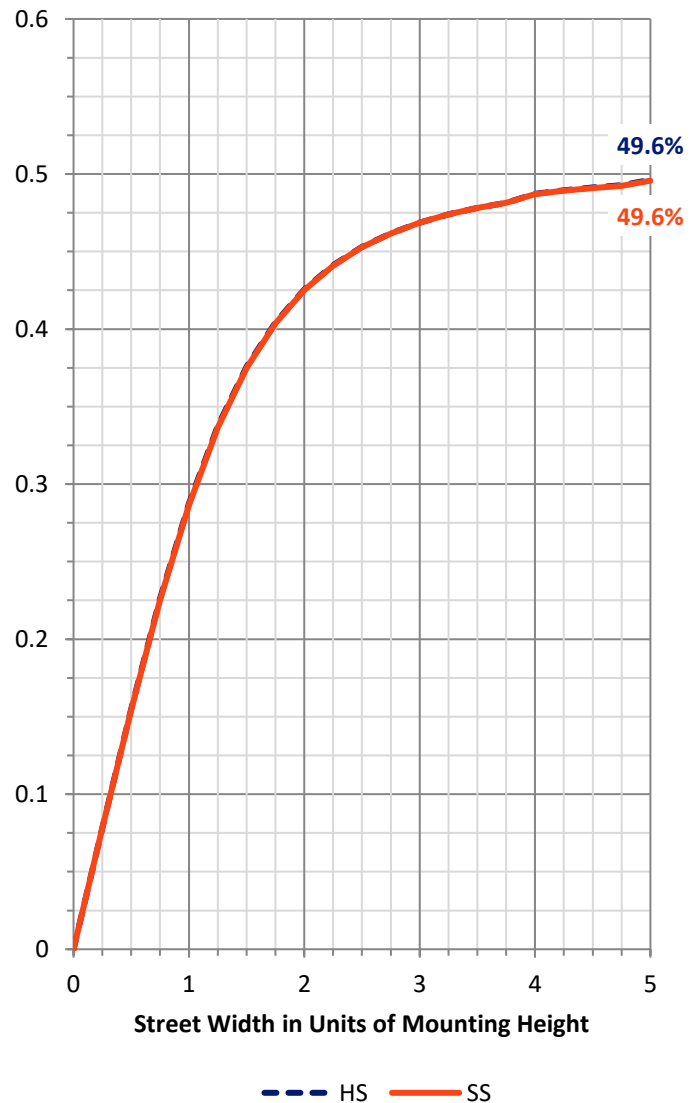
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1394.5	0.0	1394.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1394.5	0.0	1394.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2789.1	0.0	2789.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	0.6
10°-20°	53.7	1.9
20°-30°	120.3	4.3
30°-40°	249.0	8.9
40°-50°	472.6	16.9
50°-60°	691.5	24.8
60°-70°	689.5	24.7
70°-80°	410.4	14.7
80°-90°	86.8	3.1
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°	2789.1	100.0
0°-180°	2789.1	100.0

Coefficient of Utilization



REPORT NUMBER: P198136

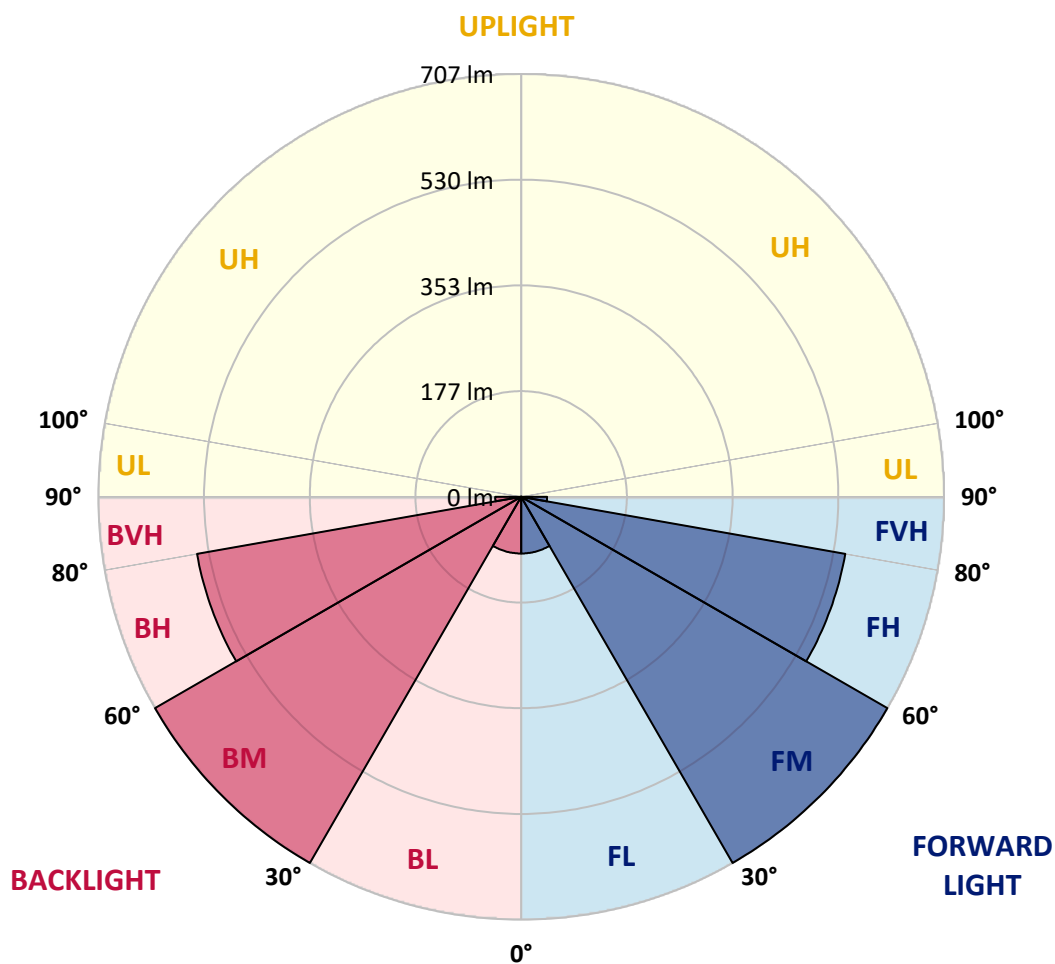
CATALOG NUMBER: TT-C1-LED-E1-RW-SG-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	94.7	3.4			
FM	(30°-60°)	706.6	25.3			
FH	(60°-80°)	549.9	19.7			G0/660
FVH	(80°-90°)	43.4	1.6			G1/100
BL	(0°-30°)	94.7	3.4	B0/110		
BM	(30°-60°)	706.6	25.3	B1/1000		
BH	(60°-80°)	549.9	19.7	B2/1000		G2/1000
BVH	(80°-90°)	43.4	1.6			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 III Short



REPORT NUMBER: P198136

CATALOG NUMBER: TT-C1-LED-E1-RW-SG-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9
2.5°	156.1	156.1	156.1	156.1	155.5	155.5	155.5	155.5	155.5	155.5	155.5
5°	158.4	158.4	157.8	158.4	157.8	157.8	157.8	157.8	157.8	157.8	157.8
7.5°	161.9	161.9	161.9	161.9	161.9	161.9	161.3	161.9	161.3	161.3	161.3
10°	168.3	167.7	168.3	167.7	167.7	167.1	167.1	167.1	167.1	167.1	167.1
12.5°	176.4	176.4	176.4	175.8	175.2	175.2	174.6	174.6	174.6	174.1	174.6
15°	187.4	188.0	186.2	185.7	185.7	184.5	183.9	184.5	183.9	183.3	183.9
17.5°	200.8	201.3	200.2	199.0	197.9	197.3	196.7	196.1	196.1	196.1	195.5
20°	218.2	218.2	217.0	214.7	212.9	211.8	211.8	211.2	211.2	211.8	210.0
22.5°	237.9	237.3	236.1	235.0	232.7	230.3	229.2	228.6	228.6	229.8	230.3
25°	262.3	262.8	259.4	257.0	254.7	250.7	250.1	250.7	251.2	251.2	252.4
27.5°	287.2	288.4	285.5	282.0	278.5	276.8	275.6	276.8	277.9	279.7	279.1
30°	316.8	316.2	315.6	310.4	306.4	304.6	305.8	309.3	312.2	316.2	316.8
32.5°	348.7	349.9	345.8	341.7	340.0	338.3	340.0	347.5	355.7	358.0	360.9
35°	386.4	384.1	381.8	378.9	376.0	376.0	384.7	393.4	406.1	414.9	414.9
37.5°	424.7	423.0	418.9	414.9	414.9	420.7	429.4	450.8	469.4	482.2	476.9
40°	464.2	461.8	460.7	456.0	456.6	470.6	489.1	515.8	542.5	560.5	557.0
42.5°	504.2	504.8	500.7	499.0	504.2	519.9	552.4	588.3	622.0	644.6	645.2
45°	545.4	545.4	542.5	541.3	551.2	575.0	615.6	664.9	710.2	736.3	739.2
47.5°	583.1	582.5	580.2	579.6	596.5	624.9	675.9	739.2	794.9	823.9	831.4
50°	615.6	616.2	612.7	615.6	630.7	668.4	729.9	806.5	870.3	906.9	910.4
52.5°	641.1	641.7	637.7	640.0	660.3	703.8	772.3	858.1	927.8	966.6	971.3
55°	658.5	656.2	653.3	656.8	680.0	728.2	803.0	892.4	964.9	1005.5	1009.0
57.5°	663.2	661.4	658.5	663.2	688.1	737.4	814.6	904.6	976.5	1017.1	1021.8
60°	656.2	656.2	652.7	658.0	682.9	731.1	806.5	893.5	962.0	999.1	1005.5
62.5°	638.2	638.2	634.2	638.2	662.0	706.7	778.6	859.3	921.4	953.9	961.4
65°	604.6	604.0	601.7	602.8	622.6	664.9	730.5	803.6	857.6	886.6	896.4
67.5°	555.8	554.1	551.8	554.1	568.6	606.3	666.7	730.5	775.2	803.0	805.3
70°	493.8	492.0	489.1	488.0	503.0	533.2	582.0	638.2	675.4	695.7	698.0
72.5°	420.1	422.4	420.1	416.6	426.5	453.1	493.8	536.7	567.4	586.0	588.9
75°	347.5	348.1	342.3	341.2	348.7	365.5	398.6	431.7	458.4	474.0	478.7
77.5°	269.2	269.2	264.0	261.1	265.2	279.7	302.3	329.0	351.0	360.9	369.0
80°	193.8	193.8	189.1	182.2	186.2	193.8	214.1	228.6	246.0	257.0	258.2
82.5°	121.3	119.5	120.7	115.5	116.6	118.9	131.7	141.6	152.0	157.8	158.4
85°	63.2	60.9	59.8	56.9	55.1	59.2	65.0	71.9	74.3	79.5	77.7
87.5°	19.7	18.6	18.0	18.0	16.2	17.4	18.0	19.1	22.0	22.0	23.2
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: P198136

CATALOG NUMBER: TT-C1-LED-E1-RW-SG-7060

CANDELA DISTRIBUTION (continued):

	90°
0°	154.9
2.5°	155.5
5°	157.8
7.5°	161.3
10°	167.1
12.5°	174.1
15°	183.9
17.5°	196.1
20°	210.0
22.5°	228.6
25°	251.2
27.5°	277.9
30°	316.2
32.5°	359.2
35°	411.4
37.5°	482.7
40°	556.4
42.5°	649.3
45°	739.2
47.5°	831.4
50°	908.6
52.5°	969.5
55°	1010.7
57.5°	1021.8
60°	1003.8
62.5°	959.7
65°	895.3
67.5°	805.3
70°	701.5
72.5°	587.2
75°	473.5
77.5°	366.7
80°	258.2
82.5°	163.0
85°	77.7
87.5°	24.9
90°	0.0

(END OF REPORT)