

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: P198137

Luminaire Tested: **TT-C2-LED-E1-RW-SG-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198137
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-C2-LED-E1-RW-SG-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3129 lumens
Efficiency: N/A
Efficacy: 92.0 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): 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

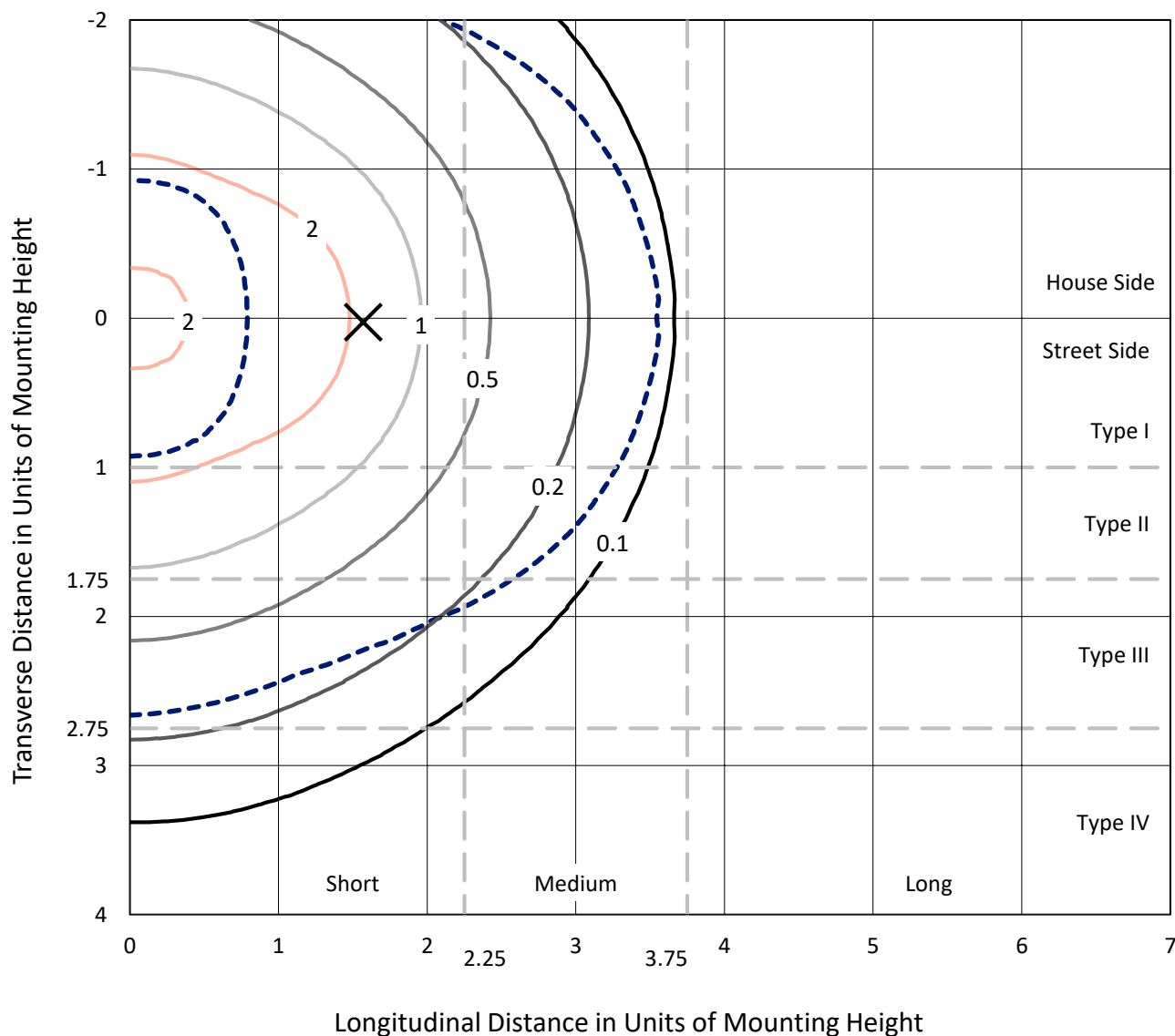


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

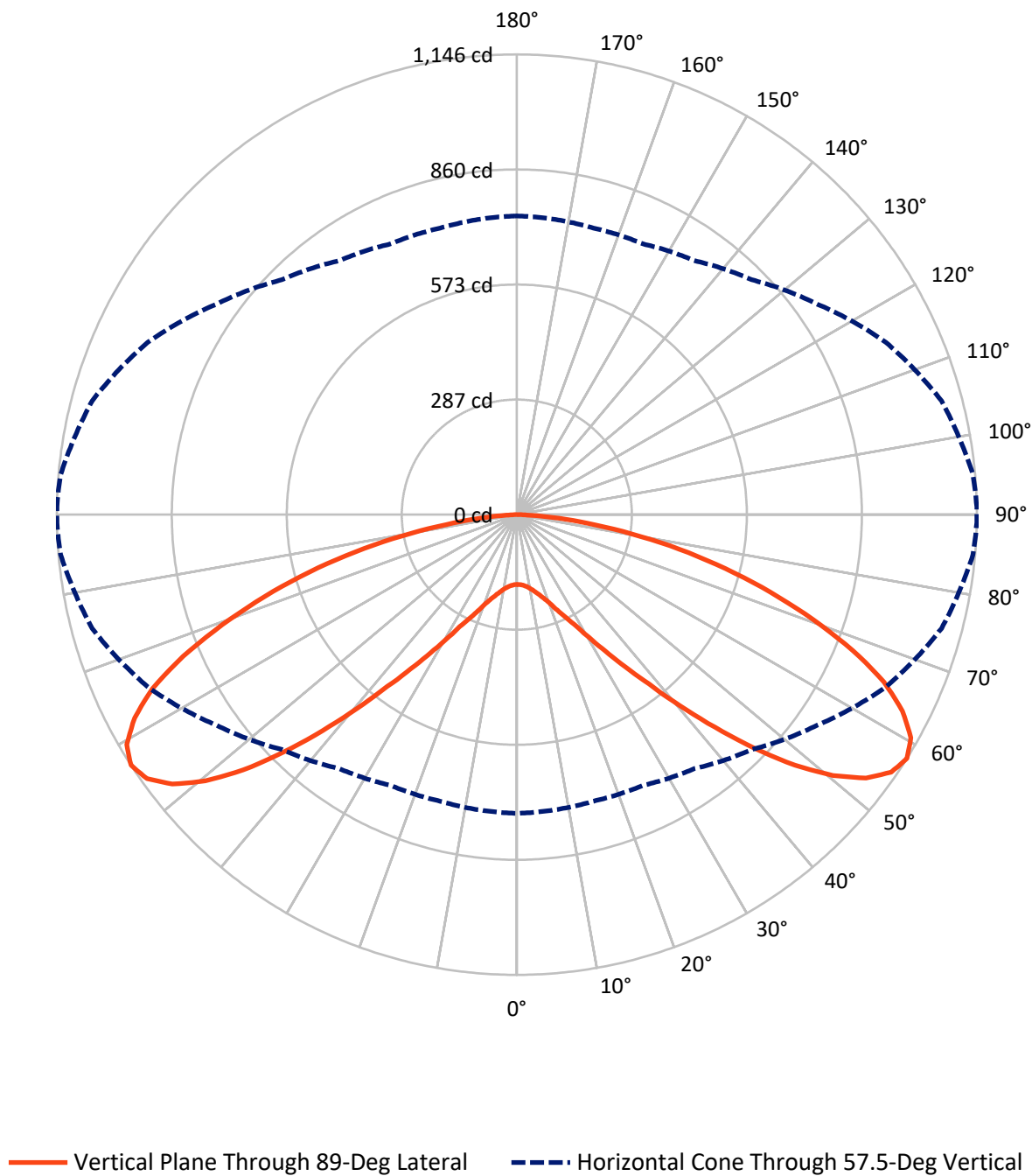


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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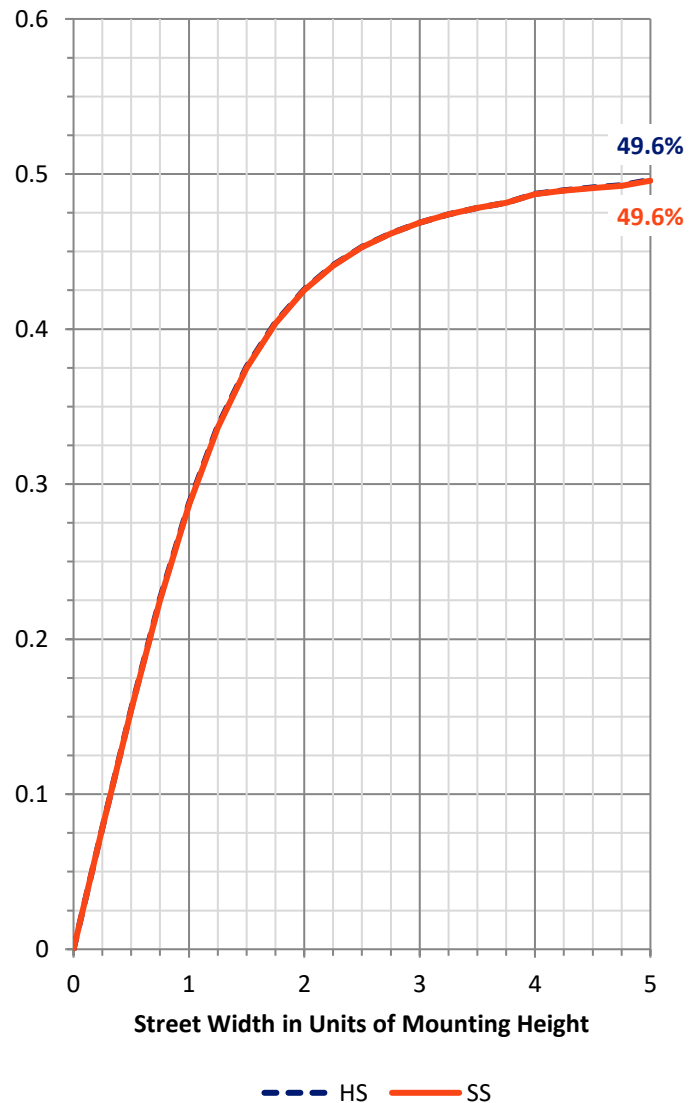
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1564.5	0.0	1564.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1564.5	0.0	1564.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3129.0	0.0	3129.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	0.6
10°-20°	60.2	1.9
20°-30°	135.0	4.3
30°-40°	279.3	8.9
40°-50°	530.2	16.9
50°-60°	775.8	24.8
60°-70°	773.5	24.7
70°-80°	460.4	14.7
80°-90°	97.4	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°	3129.0	100.0
0°-180°	3129.0	100.0

Coefficient of Utilization



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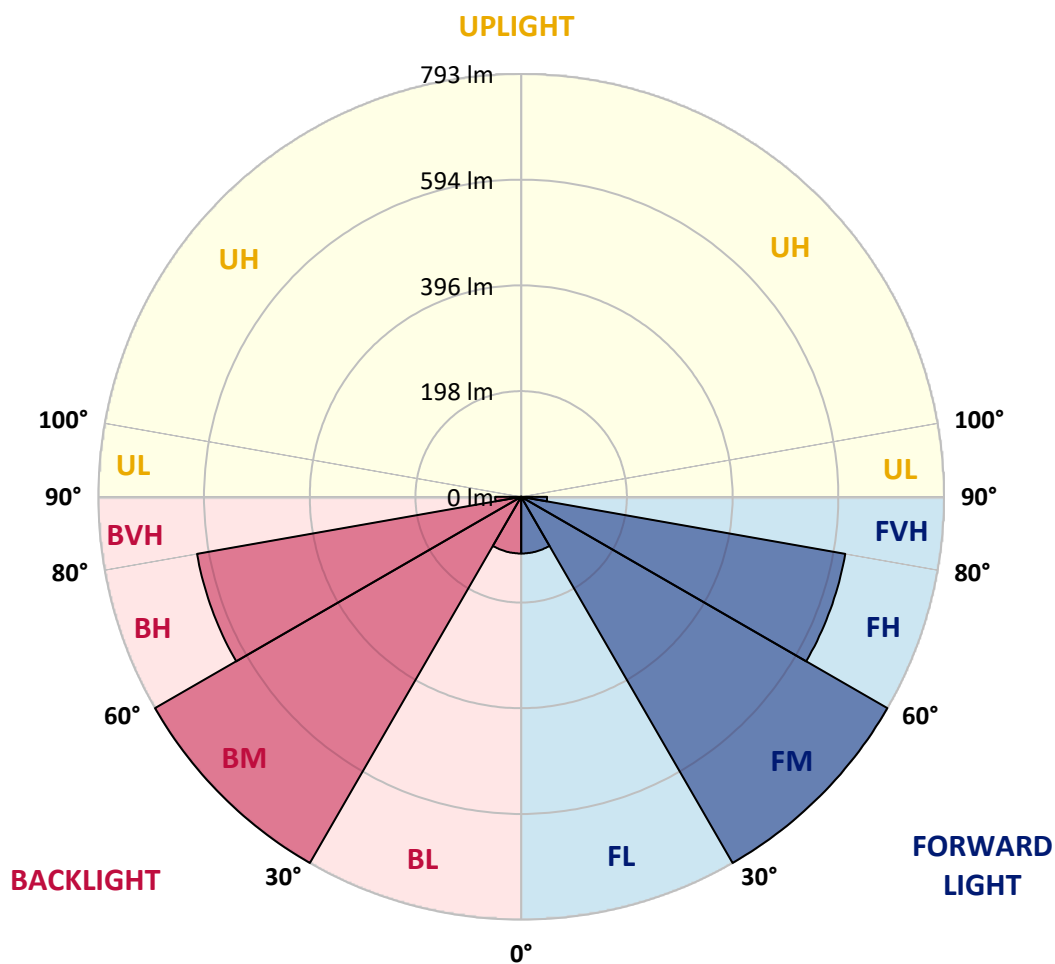
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	106.2	3.4			
FM	(30°-60°)	792.7	25.3			
FH	(60°-80°)	616.9	19.7			G0/660
FVH	(80°-90°)	48.7	1.6			G1/100
BL	(0°-30°)	106.2	3.4	B0/110		
BM	(30°-60°)	792.7	25.3	B1/1000		
BH	(60°-80°)	616.9	19.7	B2/1000		G2/1000
BVH	(80°-90°)	48.7	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8
2.5°	175.1	175.1	175.1	175.1	174.4	174.4	174.4	174.4	174.4	174.4	174.4
5°	177.7	177.7	177.1	177.7	177.1	177.1	177.1	177.1	177.1	177.1	177.1
7.5°	181.6	181.6	181.6	181.6	181.6	181.6	181.0	181.6	181.0	181.0	181.0
10°	188.8	188.1	188.8	188.1	188.1	187.5	187.5	187.5	187.5	187.5	187.5
12.5°	197.9	197.9	197.9	197.2	196.6	196.6	195.9	195.9	195.9	195.3	195.9
15°	210.3	210.9	208.9	208.3	208.3	207.0	206.3	207.0	206.3	205.7	206.3
17.5°	225.2	225.9	224.6	223.3	222.0	221.3	220.7	220.0	220.0	220.0	219.4
20°	244.8	244.8	243.4	240.8	238.9	237.6	237.6	236.9	236.9	237.6	235.6
22.5°	266.9	266.2	264.9	263.6	261.0	258.4	257.1	256.5	256.5	257.8	258.4
25°	294.2	294.9	291.0	288.4	285.8	281.2	280.6	281.2	281.9	281.9	283.2
27.5°	322.2	323.5	320.3	316.4	312.4	310.5	309.2	310.5	311.8	313.7	313.1
30°	355.4	354.8	354.1	348.2	343.7	341.7	343.0	346.9	350.2	354.8	355.4
32.5°	391.2	392.5	388.0	383.4	381.4	379.5	381.4	389.9	399.0	401.6	404.9
35°	433.5	430.9	428.3	425.1	421.8	421.8	431.6	441.3	455.7	465.4	465.4
37.5°	476.5	474.5	470.0	465.4	465.4	471.9	481.7	505.8	526.6	540.9	535.1
40°	520.7	518.1	516.8	511.6	512.3	527.9	548.7	578.7	608.6	628.8	624.9
42.5°	565.7	566.3	561.8	559.8	565.7	583.2	619.7	660.0	697.8	723.2	723.8
45°	611.9	611.9	608.6	607.3	618.4	645.1	690.6	746.0	796.7	826.0	829.3
47.5°	654.2	653.5	650.9	650.3	669.2	701.1	758.3	829.3	891.8	924.3	932.8
50°	690.6	691.3	687.4	690.6	707.6	749.9	818.9	904.8	976.4	1017.4	1021.3
52.5°	719.3	719.9	715.4	718.0	740.8	789.6	866.4	962.7	1040.8	1084.5	1089.7
55°	738.8	736.2	732.9	736.9	762.9	816.9	900.9	1001.1	1082.5	1128.1	1132.0
57.5°	744.0	742.1	738.8	744.0	772.0	827.3	913.9	1014.8	1095.5	1141.1	1146.3
60°	736.2	736.2	732.3	738.2	766.1	820.2	904.8	1002.4	1079.2	1120.9	1128.1
62.5°	716.0	716.0	711.5	716.0	742.7	792.8	873.5	964.0	1033.7	1070.1	1078.6
65°	678.3	677.6	675.0	676.3	698.4	746.0	819.5	901.5	962.1	994.6	1005.7
67.5°	623.6	621.6	619.0	621.6	637.9	680.2	747.9	819.5	869.6	900.9	903.5
70°	553.9	552.0	548.7	547.4	564.4	598.2	652.9	716.0	757.7	780.5	783.1
72.5°	471.3	473.9	471.3	467.4	478.4	508.4	553.9	602.1	636.6	657.4	660.7
75°	389.9	390.6	384.0	382.7	391.2	410.1	447.2	484.3	514.2	531.8	537.0
77.5°	302.0	302.0	296.2	292.9	297.5	313.7	339.1	369.1	393.8	404.9	414.0
80°	217.4	217.4	212.2	204.4	208.9	217.4	240.2	256.5	276.0	288.4	289.7
82.5°	136.0	134.1	135.4	129.5	130.8	133.4	147.8	158.8	170.5	177.1	177.7
85°	71.0	68.3	67.0	63.8	61.8	66.4	72.9	80.7	83.3	89.2	87.2
87.5°	22.1	20.8	20.2	20.2	18.2	19.5	20.2	21.5	24.7	24.7	26.0
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°	173.8
2.5°	174.4
5°	177.1
7.5°	181.0
10°	187.5
12.5°	195.3
15°	206.3
17.5°	220.0
20°	235.6
22.5°	256.5
25°	281.9
27.5°	311.8
30°	354.8
32.5°	402.9
35°	461.5
37.5°	541.6
40°	624.2
42.5°	728.4
45°	829.3
47.5°	932.8
50°	1019.4
52.5°	1087.7
55°	1133.9
57.5°	1146.3
60°	1126.1
62.5°	1076.6
65°	1004.4
67.5°	903.5
70°	787.0
72.5°	658.7
75°	531.2
77.5°	411.4
80°	289.7
82.5°	182.9
85°	87.2
87.5°	28.0
90°	0.0

(END OF REPORT)