

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: P197976

Luminaire Tested: **TT-C3-LED-E1-RW-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34692)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-RW-MS/DIM-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4398.9 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 45
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



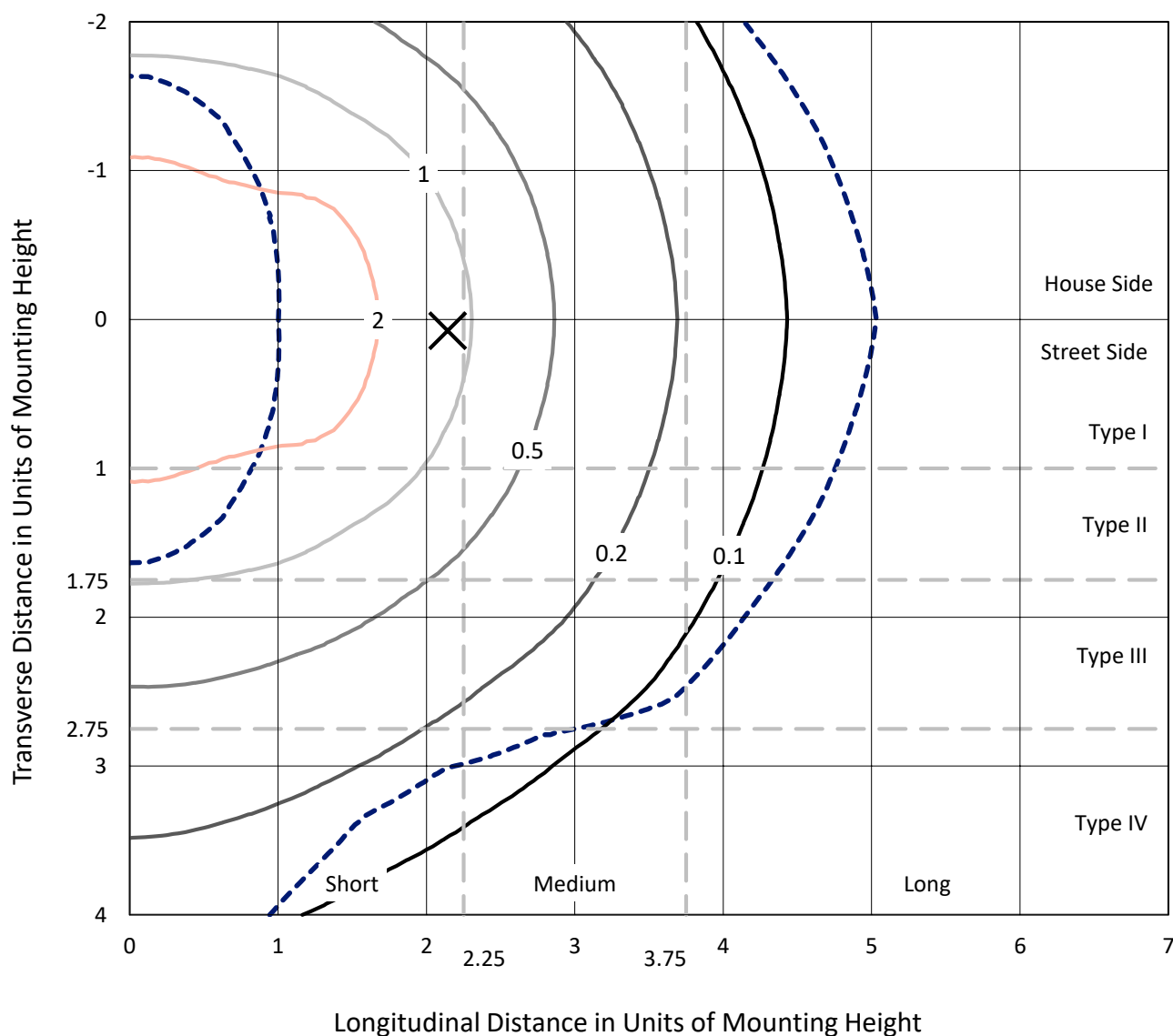
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

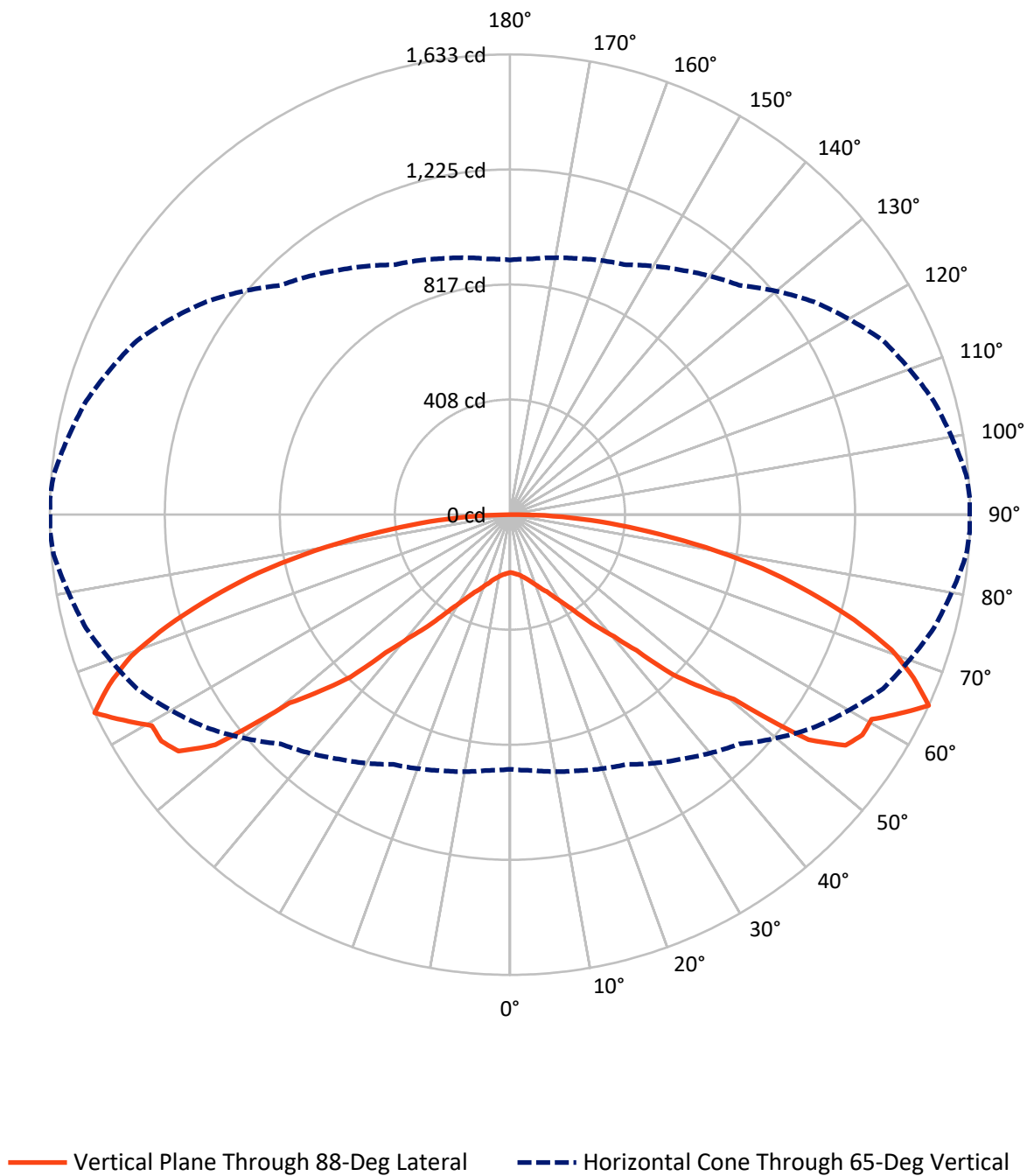


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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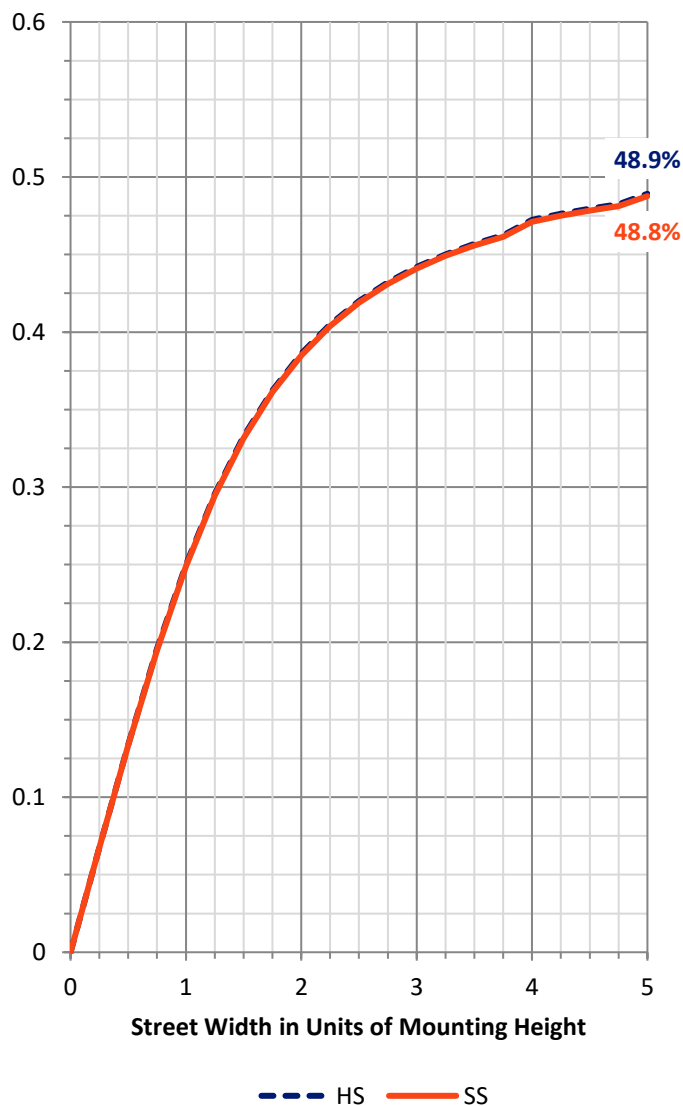
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2199.4	0.0	2199.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2199.4	0.0	2199.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4398.9	0.0	4398.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	0.5
10°-20°	70.1	1.6
20°-30°	148.9	3.4
30°-40°	284.5	6.5
40°-50°	523.0	11.9
50°-60°	905.8	20.6
60°-70°	1178.4	26.8
70°-80°	965.7	22.0
80°-90°	301.9	6.9
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°	4398.9	100.0
0°-180°	4398.9	100.0

Coefficient of Utilization



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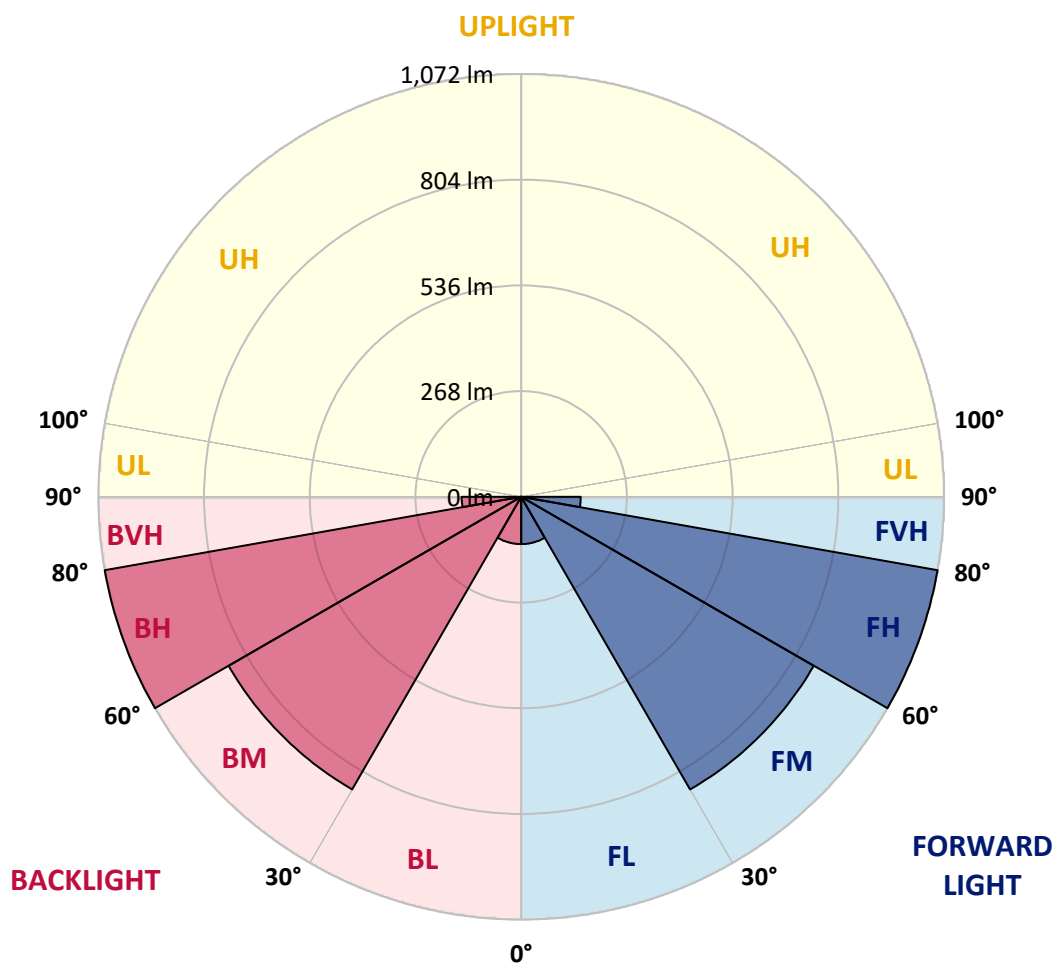
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	119.8	2.7			
FM	(30°-60°)	856.6	19.5			
FH	(60°-80°)	1072.1	24.4			G1/1800
FVH	(80°-90°)	151.0	3.4			G2/225
BL	(0°-30°)	119.8	2.7	B1/500		
BM	(30°-60°)	856.6	19.5	B1/1000		
BH	(60°-80°)	1072.1	24.4	B3/2500		G3/2500
BVH	(80°-90°)	151.0	3.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	205.5	205.5	205.5	205.5	205.5	205.5	205.5	205.5	205.5	205.5	205.5
2.5°	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4
5°	211.1	211.1	211.1	212.0	212.0	212.0	212.0	212.0	211.1	211.1	211.1
7.5°	215.7	215.7	216.7	216.7	216.7	216.7	215.7	215.7	214.8	214.8	214.8
10°	223.1	223.1	224.1	224.1	223.1	222.2	222.2	222.2	221.3	221.3	221.3
12.5°	233.3	233.3	234.2	233.3	232.4	231.5	231.5	230.5	229.6	229.6	229.6
15°	247.2	247.2	246.3	244.4	242.6	242.6	239.8	239.8	239.8	239.8	238.9
17.5°	265.7	264.8	261.1	260.2	257.4	255.5	253.7	252.8	251.8	251.8	252.8
20°	286.1	284.2	279.6	279.6	275.0	272.2	270.4	268.5	268.5	267.6	266.7
22.5°	310.2	308.3	302.8	300.9	296.3	291.7	289.8	285.2	284.2	284.2	285.2
25°	334.2	335.2	330.5	326.8	320.4	315.7	309.2	306.5	303.7	303.7	301.8
27.5°	362.0	362.9	357.4	352.8	347.2	337.9	334.2	330.5	327.8	329.6	327.8
30°	391.6	393.5	388.9	383.3	375.0	365.7	361.1	360.2	357.4	359.2	358.3
32.5°	425.9	425.0	422.2	416.6	405.5	398.1	394.4	393.5	395.3	396.3	395.3
35°	465.7	462.0	459.2	450.9	440.7	435.2	431.5	435.2	443.5	449.0	447.2
37.5°	507.4	501.8	499.0	489.8	480.5	477.8	482.4	489.8	498.1	505.5	505.5
40°	541.6	543.5	537.0	528.7	521.3	524.0	532.4	545.3	562.0	569.4	568.5
42.5°	575.9	581.4	575.0	566.6	567.6	575.9	587.9	612.0	649.0	660.1	659.2
45°	606.4	618.5	612.9	607.4	615.7	629.6	662.0	715.7	766.6	804.6	807.4
47.5°	646.3	652.7	650.0	650.0	662.9	695.3	744.4	819.4	873.1	909.2	914.8
50°	691.6	685.1	686.1	694.4	726.8	775.0	841.6	912.0	1008.3	1024.9	1029.6
52.5°	729.6	718.5	725.0	740.7	787.9	849.0	932.4	1076.8	1199.9	1311.0	1326.8
55°	768.5	755.5	768.5	793.5	862.9	948.1	1070.3	1237.9	1367.5	1437.0	1445.3
57.5°	798.1	796.3	814.8	850.9	936.1	1049.9	1187.9	1331.4	1418.4	1467.5	1474.9
60°	835.1	837.0	858.3	906.4	1008.3	1117.5	1220.3	1351.8	1437.9	1466.6	1474.9
62.5°	870.3	877.7	902.7	957.4	1046.2	1129.6	1228.6	1387.9	1497.1	1559.2	1553.6
65°	903.7	911.1	940.7	977.7	1059.2	1150.9	1316.6	1461.0	1557.3	1625.8	1633.2
67.5°	937.0	946.2	958.3	987.9	1066.6	1152.7	1296.2	1417.5	1495.3	1542.5	1545.3
70°	965.7	964.8	962.0	970.3	1019.4	1086.1	1219.4	1315.7	1388.8	1427.7	1437.0
72.5°	969.4	966.6	934.2	910.1	925.9	978.6	1106.4	1183.3	1238.8	1271.2	1277.7
75°	938.8	923.1	859.2	807.4	804.6	857.4	964.8	1020.3	1053.6	1095.3	1098.1
77.5°	839.8	822.2	750.9	680.5	680.5	714.8	804.6	834.2	875.9	907.4	915.7
80°	676.8	675.0	600.9	545.3	525.0	553.7	626.8	637.9	669.4	696.3	704.6
82.5°	489.8	475.9	435.2	387.9	371.3	389.8	439.8	450.9	462.9	487.0	497.2
85°	296.3	297.2	269.4	242.6	221.3	227.8	266.7	282.4	298.1	313.9	319.4
87.5°	106.5	123.1	96.3	85.2	74.1	70.4	82.4	101.8	119.4	141.7	153.7
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°	205.5
2.5°	207.4
5°	210.2
7.5°	214.8
10°	221.3
12.5°	229.6
15°	238.9
17.5°	250.9
20°	266.7
22.5°	283.3
25°	302.8
27.5°	329.6
30°	357.4
32.5°	395.3
35°	451.8
37.5°	505.5
40°	571.3
42.5°	662.9
45°	811.1
47.5°	913.8
50°	1037.9
52.5°	1313.8
55°	1448.1
57.5°	1476.8
60°	1474.9
62.5°	1568.4
65°	1632.3
67.5°	1547.1
70°	1440.7
72.5°	1274.9
75°	1104.6
77.5°	920.3
80°	708.3
82.5°	493.5
85°	332.4
87.5°	137.0
90°	0.0

(END OF REPORT)