

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: P400633

Luminaire Tested: **TT-D3-835-U-RW**

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400633
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P197998)
Test Lab: INNOVATION CENTER
Issue Date: 6/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D3-835-U-RW
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
3500K, 80 CRI LEDS AND RECTANGULAR DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4977 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 47.2
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: 28.75 FT

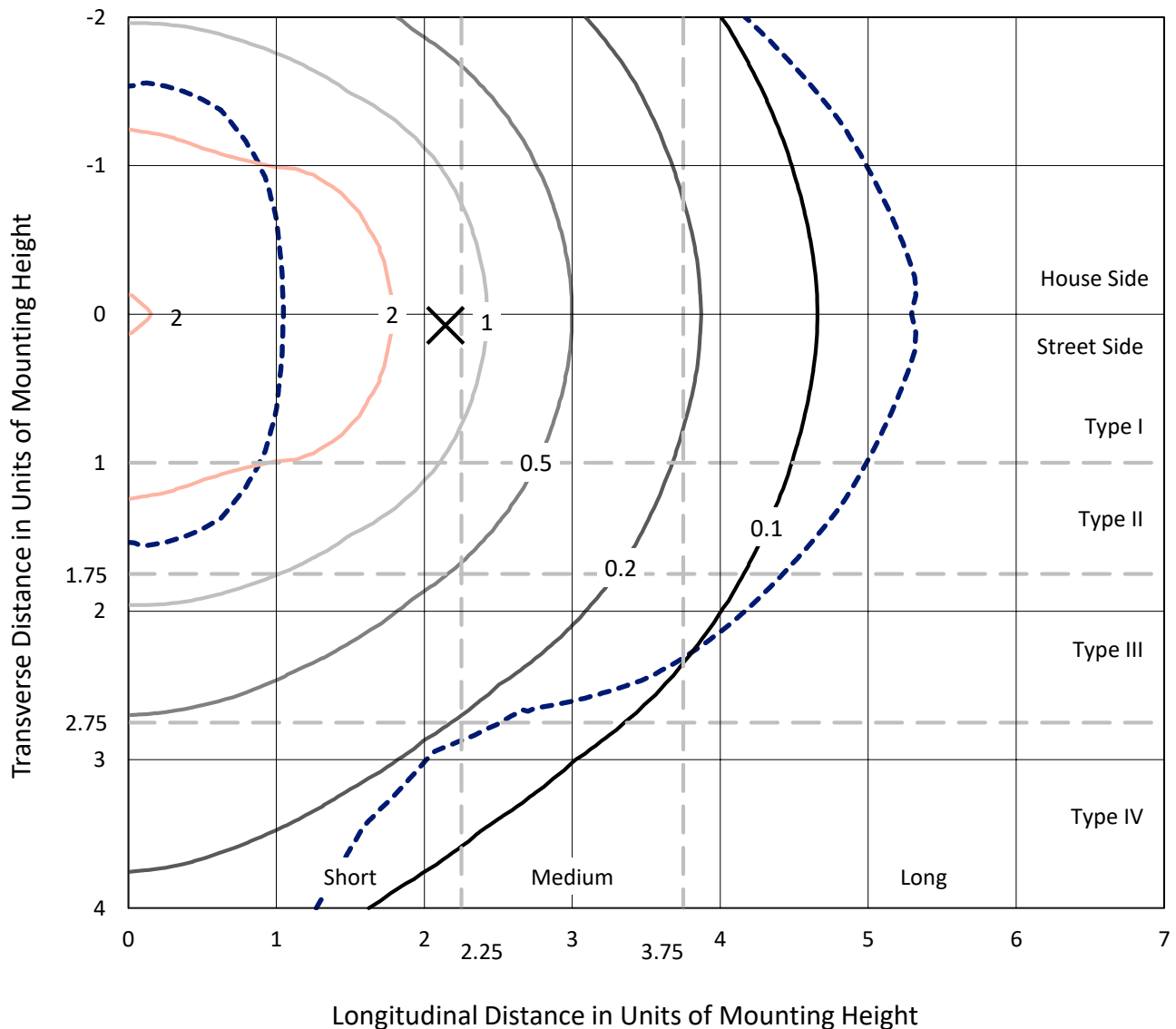


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

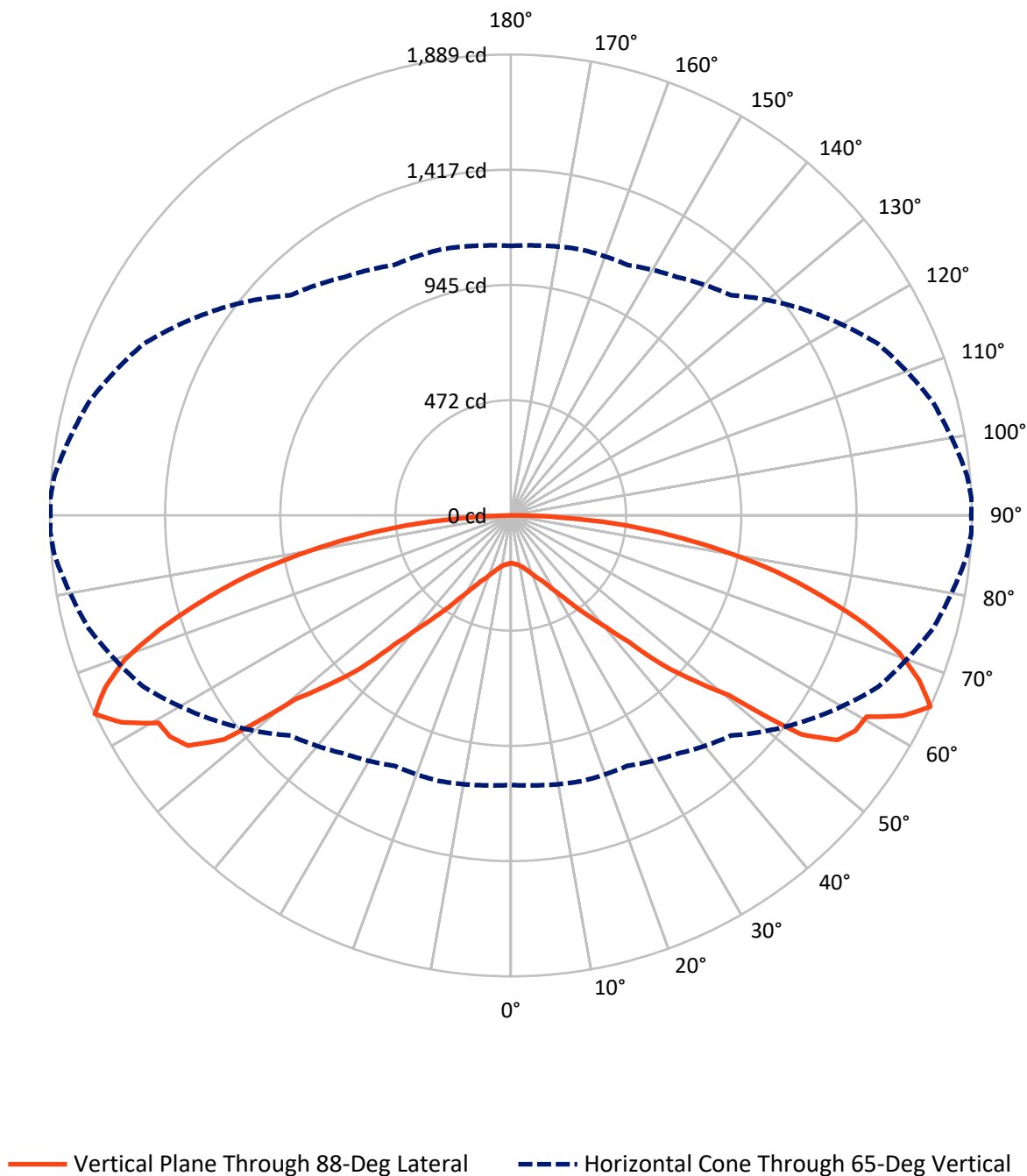


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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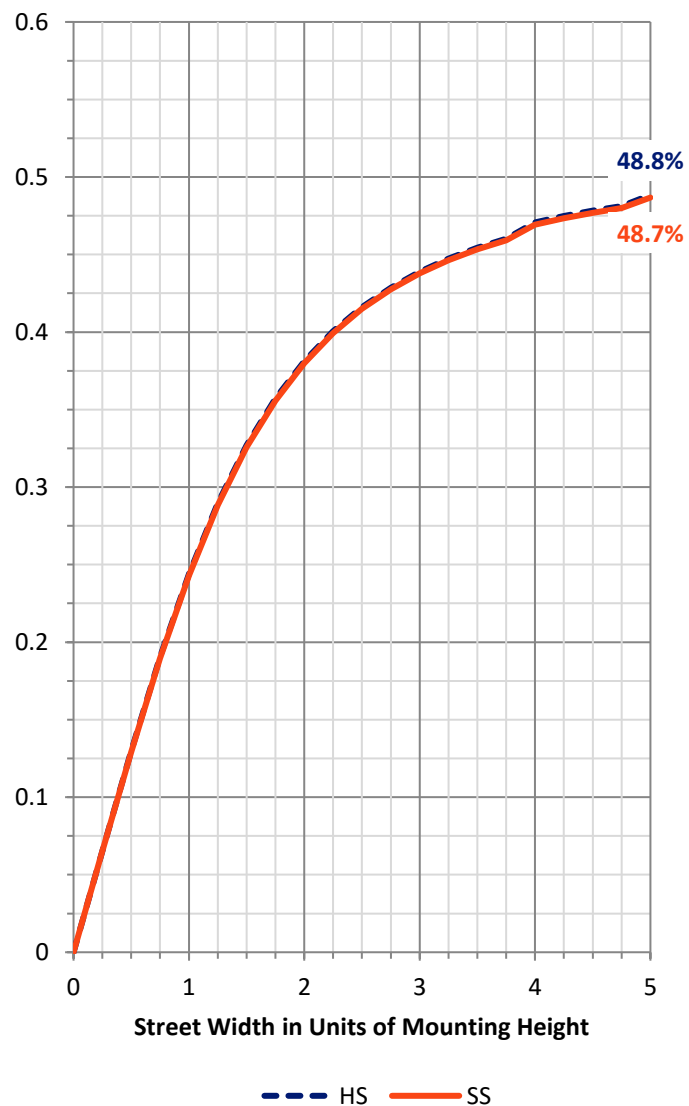
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2488.5	0.0	2488.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2488.5	0.0	2488.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4977.0	0.0	4977.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	0.4
10°-20°	67.8	1.4
20°-30°	149.7	3.0
30°-40°	298.3	6.0
40°-50°	571.0	11.5
50°-60°	1021.9	20.5
60°-70°	1354.2	27.2
70°-80°	1130.1	22.7
80°-90°	364.6	7.3
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°	4977.0	100.0
0°-180°	4977.0	100.0

Coefficient of Utilization



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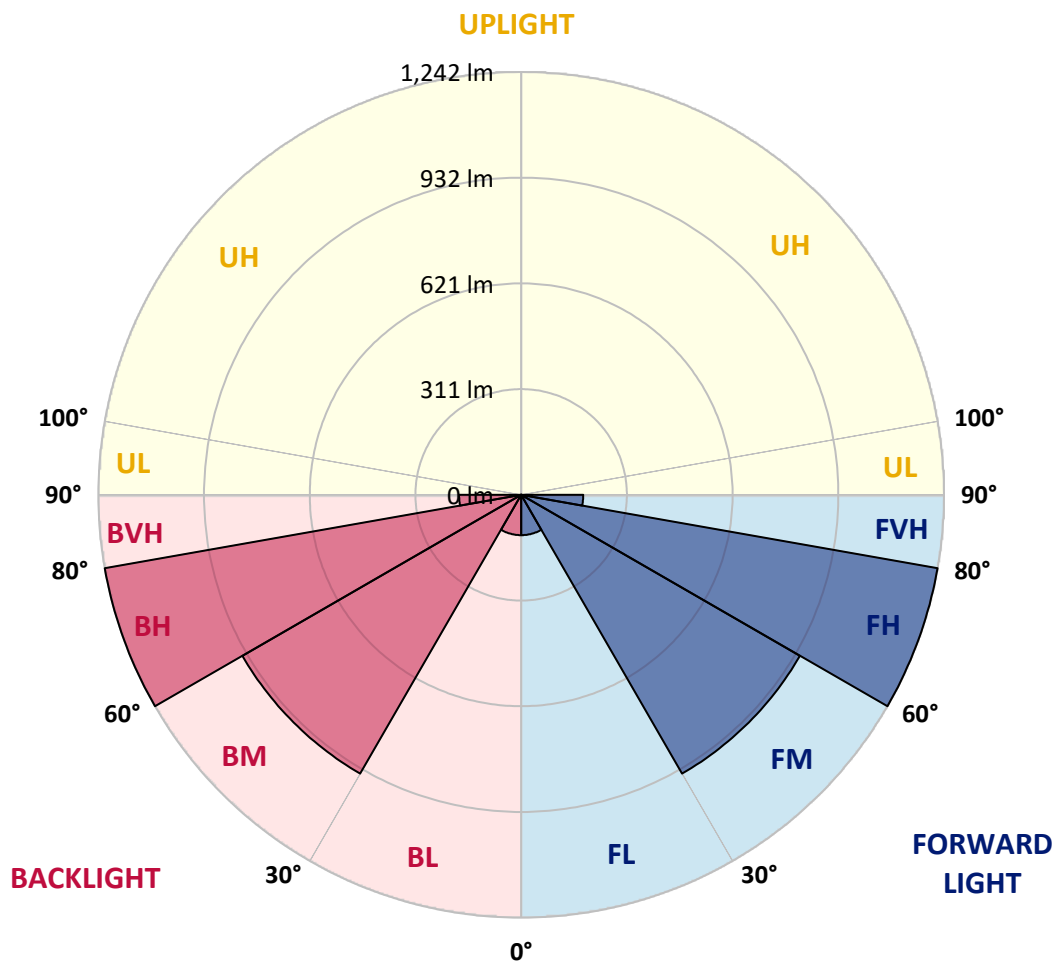
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	118.5	2.4			
FM	(30°-60°)	945.6	19.0			
FH	(60°-80°)	1242.1	25.0			G1/1800
FVH	(80°-90°)	182.3	3.7			G2/225
BL	(0°-30°)	118.5	2.4	B1/500		
BM	(30°-60°)	945.6	19.0	B1/1000		
BH	(60°-80°)	1242.1	25.0	B3/2500		G1/1800
BVH	(80°-90°)	182.3	3.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9
2.5°	196.8	196.8	196.8	196.8	197.8	197.8	197.8	197.8	197.8	197.8	197.8
5°	199.8	199.8	200.8	200.8	201.7	201.7	201.7	201.7	200.8	200.8	200.8
7.5°	204.7	205.7	206.6	206.6	206.6	205.7	204.7	204.7	203.7	203.7	203.7
10°	213.5	213.5	214.5	214.5	213.5	212.5	211.5	210.6	210.6	210.6	209.6
12.5°	224.3	224.3	225.2	224.3	222.3	221.3	219.4	218.4	218.4	217.4	217.4
15°	239.0	240.9	240.9	238.0	235.0	232.1	231.1	229.2	229.2	229.2	229.2
17.5°	261.5	260.5	256.6	253.6	251.7	246.8	244.8	243.8	241.9	241.9	241.9
20°	286.9	285.0	280.1	276.2	272.2	266.4	262.5	260.5	259.5	258.5	258.5
22.5°	315.3	312.4	305.5	302.6	294.8	288.9	284.0	280.1	277.1	276.2	278.1
25°	344.7	344.7	338.8	331.0	323.2	314.4	307.5	302.6	298.7	297.7	296.7
27.5°	376.1	378.0	370.2	362.3	353.5	341.8	334.9	328.1	327.1	326.1	325.1
30°	409.3	413.3	405.4	397.6	385.8	374.1	365.3	362.3	359.4	361.4	361.4
32.5°	450.5	452.4	443.6	437.7	422.1	410.3	402.5	400.5	401.5	400.5	403.5
35°	498.5	495.5	488.7	476.9	463.2	452.4	446.6	450.5	461.3	465.2	463.2
37.5°	551.3	540.6	536.7	522.0	509.2	500.4	502.4	512.2	521.0	527.8	525.9
40°	590.5	592.5	581.7	568.0	556.2	554.3	565.1	577.8	594.4	600.3	602.3
42.5°	630.7	642.4	629.7	616.0	610.1	614.0	629.7	655.2	692.4	712.0	709.0
45°	676.7	689.4	675.7	664.9	664.0	678.7	712.9	779.5	834.4	873.5	877.5
47.5°	724.7	734.5	721.7	714.9	724.7	753.1	811.8	901.0	959.7	1005.7	1013.6
50°	785.4	781.5	771.7	770.7	792.3	844.2	923.5	1013.6	1119.3	1149.7	1159.5
52.5°	845.1	830.4	828.5	833.4	871.6	930.3	1036.1	1213.4	1369.1	1478.7	1490.5
55°	901.0	884.3	888.2	901.0	954.8	1043.9	1190.8	1407.3	1543.4	1620.7	1624.7
57.5°	951.9	942.1	950.9	968.5	1048.8	1163.4	1319.1	1497.4	1600.2	1655.0	1664.8
60°	1003.8	1001.8	1012.6	1044.9	1131.1	1232.9	1363.2	1520.9	1623.7	1665.8	1675.6
62.5°	1052.8	1059.6	1073.3	1104.7	1171.2	1250.6	1376.9	1569.8	1723.6	1790.2	1806.8
65°	1104.7	1110.5	1127.2	1132.1	1191.8	1276.0	1469.9	1661.9	1791.1	1877.3	1889.1
67.5°	1151.7	1159.5	1153.6	1149.7	1201.6	1276.0	1451.3	1619.8	1727.5	1793.1	1805.8
70°	1196.7	1187.9	1164.4	1134.0	1148.7	1199.6	1360.3	1506.2	1614.9	1676.6	1689.3
72.5°	1208.5	1196.7	1134.0	1064.5	1043.0	1081.2	1229.0	1358.3	1447.4	1505.2	1513.0
75°	1178.1	1153.6	1047.9	951.9	910.8	948.9	1072.3	1183.0	1245.7	1308.3	1313.2
77.5°	1056.7	1041.0	923.5	806.9	760.9	789.3	892.1	970.5	1043.0	1103.7	1115.4
80°	867.7	854.0	750.1	655.2	593.5	613.0	688.5	751.1	820.7	868.6	883.3
82.5°	638.5	636.5	562.1	473.0	429.9	428.0	484.8	546.5	599.3	645.4	655.2
85°	401.5	401.5	350.6	296.7	251.7	252.7	286.9	332.0	398.6	428.0	430.9
87.5°	136.1	129.3	120.5	97.9	78.3	70.5	75.4	86.2	131.2	162.6	168.4
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°	194.9
2.5°	197.8
5°	200.8
7.5°	203.7
10°	209.6
12.5°	218.4
15°	228.2
17.5°	241.9
20°	258.5
22.5°	277.1
25°	296.7
27.5°	326.1
30°	360.4
32.5°	402.5
35°	464.2
37.5°	527.8
40°	607.2
42.5°	716.9
45°	867.7
47.5°	1013.6
50°	1148.7
52.5°	1466.0
55°	1628.6
57.5°	1663.8
60°	1672.7
62.5°	1798.0
65°	1887.1
67.5°	1804.9
70°	1686.4
72.5°	1507.1
75°	1321.1
77.5°	1115.4
80°	871.6
82.5°	655.2
85°	424.0
87.5°	163.5
90°	0.0

(END OF REPORT)