

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: LUMIERE

Report Number: P394782

Luminaire Tested: **303-B2-LEDB4-TSAM-UNV-T5X-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (Compare Roadway Adding Tool)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-B2-LEDB4-TSAM-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 5
Light Source: AMBER LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 749.7 lumens
Efficiency: N/A
Efficacy: 31.2 lumens/watt
Luminous Opening: Rectangular (W 0.38' x L: 1.06' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G0

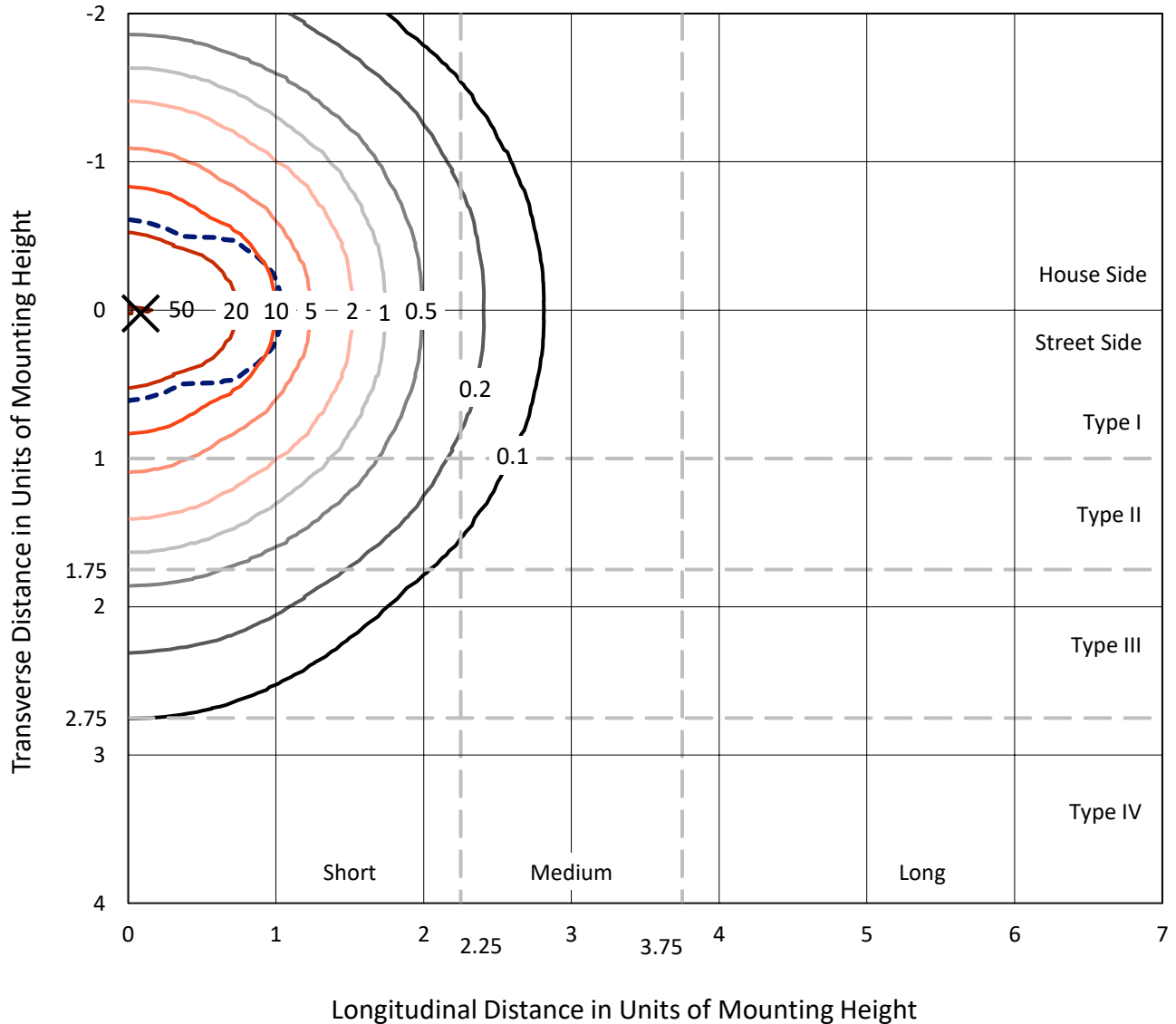
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

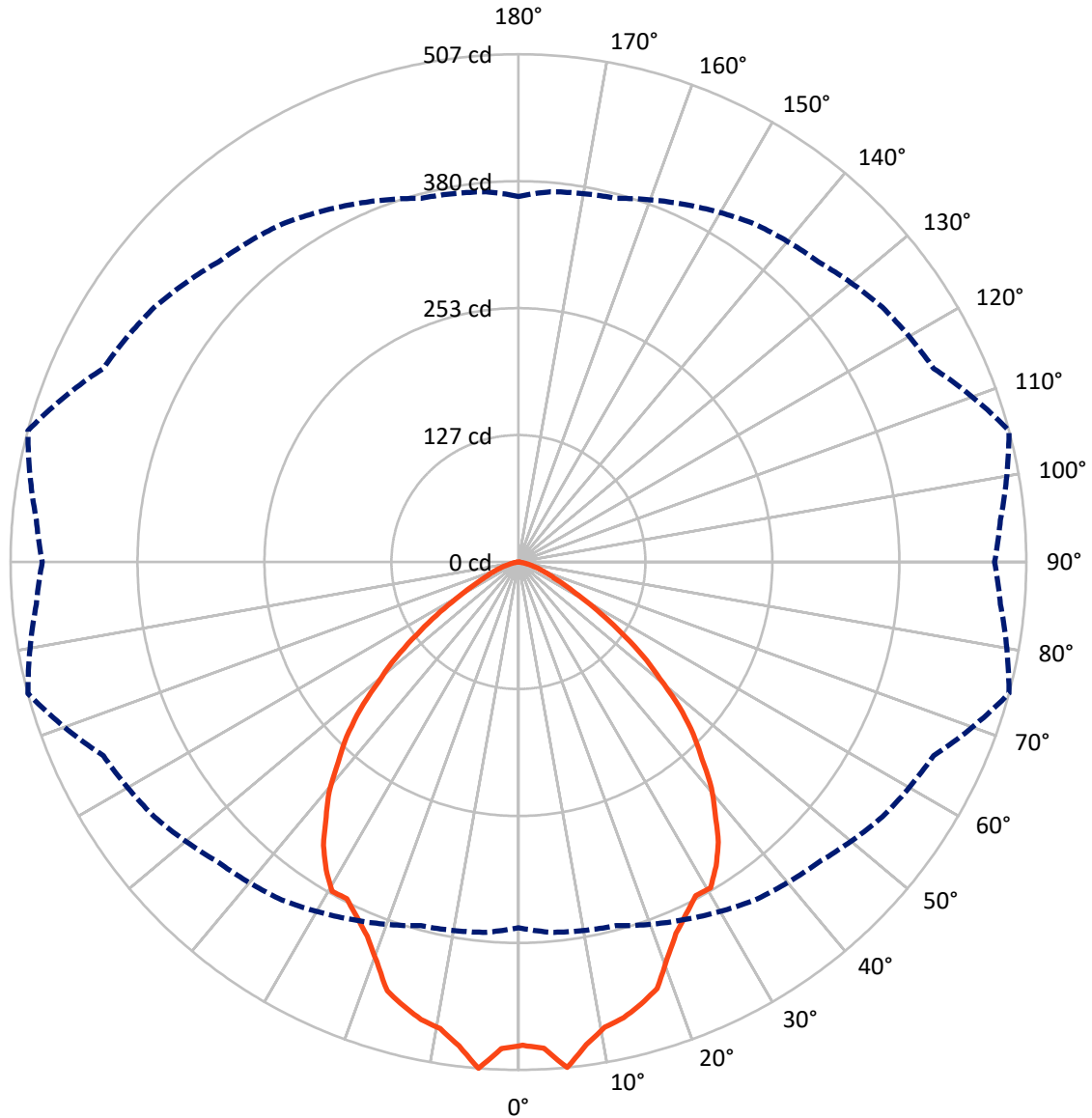
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 53.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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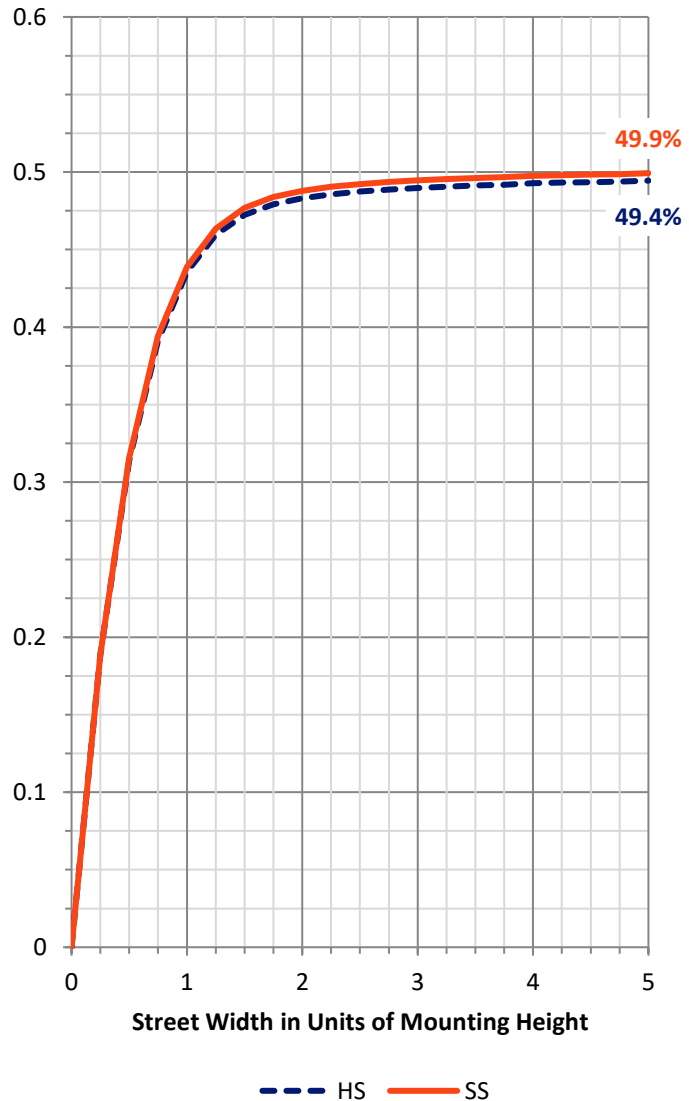
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	374.8	0.0	374.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	374.8	0.0	374.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	749.7	0.0	749.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	5.2
10°-20°	101.5	13.5
20°-30°	147.5	19.7
30°-40°	166.3	22.2
40°-50°	146.4	19.5
50°-60°	91.0	12.1
60°-70°	36.8	4.9
70°-80°	15.1	2.0
80°-90°	5.8	0.8
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°	749.7	100.0
0°-180°	749.7	100.0

Coefficient of Utilization



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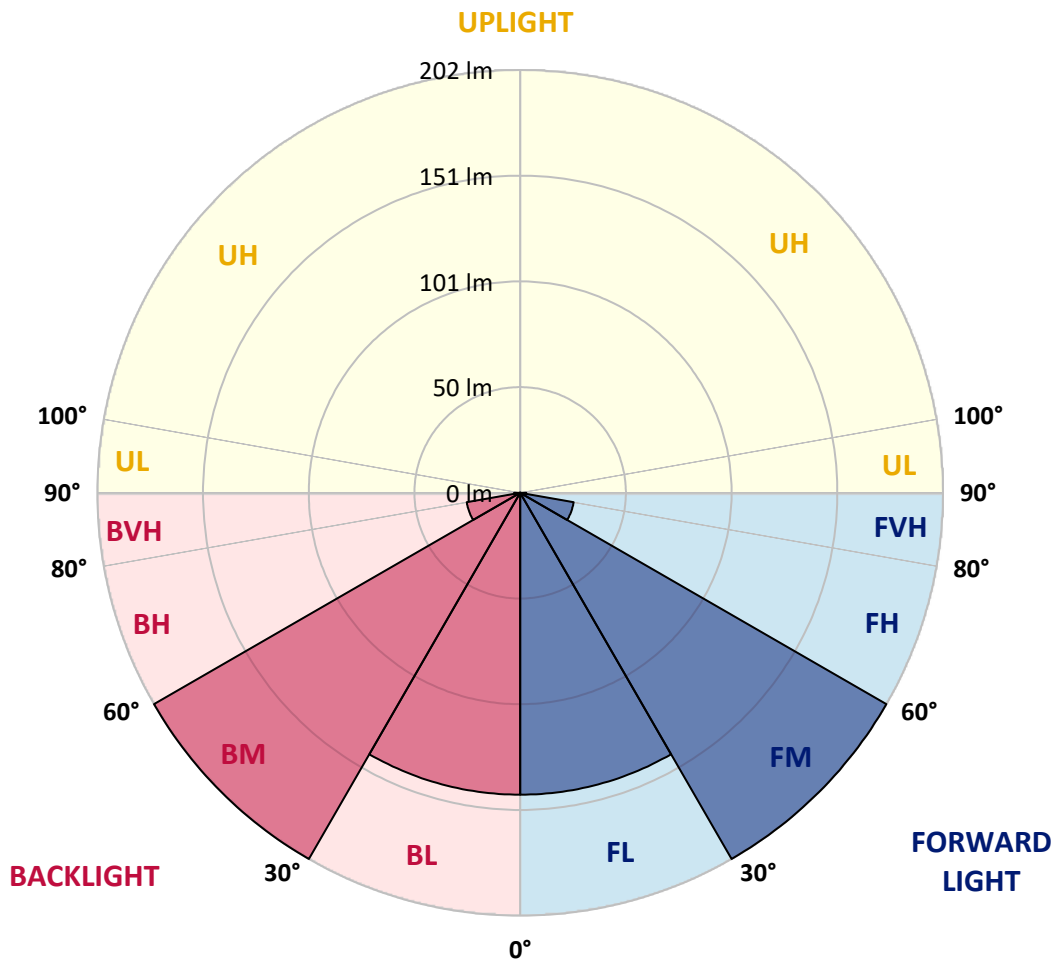
CATALOG NUMBER: 303-B2-LEDB4-TSAM-UNV-T5X-DIM10

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	144.1	19.2			
FM	(30°-60°)	201.9	26.9			
FH	(60°-80°)	25.9	3.5			G0/660
FVH	(80°-90°)	2.9	0.4			G0/10
BL	(0°-30°)	144.1	19.2	B1/500		
BM	(30°-60°)	201.9	26.9	B0/220		
BH	(60°-80°)	25.9	3.5	B0/110		G0/110
BVH	(80°-90°)	2.9	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2
2.5°	470.2	464.2	460.9	457.6	458.2	458.8	455.5	452.2	453.7	455.2	473.8
5°	364.9	370.9	373.3	375.7	384.7	393.6	402.6	411.6	417.6	423.5	433.4
7.5°	318.8	313.5	315.6	317.7	317.9	318.2	319.4	320.6	343.4	366.1	402.0
10°	352.3	348.8	351.7	354.7	351.4	348.2	338.0	327.8	327.2	326.6	350.0
12.5°	309.3	306.9	311.1	315.3	324.2	333.2	334.1	335.0	345.2	355.3	362.8
15°	295.5	294.3	294.9	295.5	293.1	290.7	297.6	304.5	326.9	349.4	368.2
17.5°	291.9	291.9	288.9	285.9	284.7	283.6	284.4	285.3	302.7	320.0	350.3
20°	294.3	290.7	288.9	287.1	287.7	288.3	282.4	276.4	292.8	309.3	338.9
22.5°	278.8	275.8	279.4	283.0	282.7	282.4	282.1	281.8	289.8	297.9	320.9
25°	270.4	269.2	268.3	267.4	267.7	268.0	269.8	271.6	284.2	296.7	315.6
27.5°	259.6	257.2	257.5	257.8	257.8	257.8	262.0	266.2	275.5	284.7	302.1
30°	248.9	249.5	249.2	248.9	248.6	248.3	247.4	246.5	257.5	268.6	291.0
32.5°	235.7	232.1	234.2	236.3	234.5	232.7	233.3	233.9	244.4	254.8	276.1
35°	223.7	221.9	222.5	223.1	222.8	222.5	221.3	220.1	230.0	239.9	258.7
37.5°	211.2	207.6	209.1	210.6	211.2	211.8	207.9	204.0	213.9	223.7	242.6
40°	195.0	196.2	194.7	193.2	193.5	193.8	191.1	188.4	192.9	197.4	218.9
42.5°	181.9	177.7	176.5	175.3	175.9	176.5	174.7	172.9	181.9	190.8	206.7
45°	163.3	161.5	161.5	161.5	160.0	158.5	156.7	154.9	163.6	172.3	183.4
47.5°	144.8	144.2	142.4	140.6	140.6	140.6	140.3	140.0	146.9	153.7	165.1
50°	128.0	127.4	126.5	125.6	125.9	126.2	122.6	119.0	125.3	131.6	142.1
52.5°	108.3	107.1	107.1	107.1	105.6	104.1	104.1	104.1	108.6	113.1	120.8
55°	87.9	88.5	88.2	87.9	86.7	85.5	85.2	84.9	88.5	92.1	98.4
57.5°	71.8	74.2	72.4	70.6	69.7	68.8	68.5	68.2	70.9	73.6	79.3
60°	49.1	49.1	49.4	49.7	51.7	53.8	55.0	56.2	56.8	57.4	60.7
62.5°	38.9	38.9	38.9	38.9	38.3	37.7	39.5	41.3	42.5	43.7	46.4
65°	31.7	31.7	31.4	31.1	30.8	30.5	30.2	29.9	31.7	33.5	35.3
67.5°	26.9	26.3	26.6	26.9	26.3	25.7	25.1	24.5	24.8	25.1	26.6
70°	22.7	22.7	22.4	22.1	21.5	20.9	20.3	19.7	19.4	19.1	20.3
72.5°	19.1	19.1	18.8	18.5	18.2	17.9	17.0	16.2	15.9	15.6	15.9
75°	16.2	16.2	15.9	15.6	15.3	15.0	14.4	13.8	13.2	12.6	12.3
77.5°	14.4	13.8	13.8	13.8	13.2	12.6	12.0	11.4	10.8	10.2	9.6
80°	12.0	12.0	12.0	12.0	11.4	10.8	10.2	9.6	9.0	8.4	7.8
82.5°	10.8	10.2	10.2	10.2	9.9	9.6	9.0	8.4	7.8	7.2	6.3
85°	9.6	9.6	9.3	9.0	8.7	8.4	8.1	7.8	6.9	6.0	5.4
87.5°	9.0	9.0	8.7	8.4	8.1	7.8	7.5	7.2	6.6	6.0	5.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2
2.5°	492.3	498.9	505.5	495.6	485.7	483.1	480.4	481.0
5°	443.3	450.2	457.0	481.9	506.7	494.7	482.8	475.0
7.5°	437.9	444.8	451.6	469.0	486.3	483.1	479.8	471.4
10°	373.3	411.3	449.3	460.6	472.0	469.3	466.6	467.8
12.5°	370.3	389.7	409.2	437.9	466.6	463.6	460.6	460.6
15°	387.0	384.7	382.3	419.9	457.6	458.8	460.0	459.4
17.5°	380.5	380.5	380.5	414.0	447.5	450.2	452.8	447.5
20°	368.5	381.4	394.2	408.6	422.9	430.7	438.5	436.7
22.5°	344.0	363.4	382.9	392.7	402.6	417.3	431.9	431.9
25°	334.4	353.8	373.3	381.1	388.8	399.9	411.0	419.9
27.5°	319.4	336.8	354.1	365.5	376.9	388.2	399.6	400.8
30°	313.5	326.3	339.2	358.3	377.5	381.1	384.7	385.2
32.5°	297.3	312.0	326.6	344.3	361.9	367.0	372.1	367.3
35°	277.6	291.0	304.5	323.9	343.4	346.7	350.0	352.9
37.5°	261.4	272.8	284.2	301.5	318.8	323.9	329.0	330.2
40°	240.5	251.2	262.0	279.4	296.7	301.8	306.9	303.9
42.5°	222.5	233.0	243.5	256.0	268.6	273.4	278.2	278.8
45°	194.4	206.1	217.7	231.2	244.7	249.5	254.2	256.0
47.5°	176.5	182.8	189.0	202.5	216.0	218.3	220.7	223.7
50°	152.5	157.3	162.1	172.6	183.1	187.5	192.0	192.6
52.5°	128.6	133.1	137.6	146.6	155.5	158.2	160.9	163.9
55°	104.7	108.3	111.9	118.1	124.4	125.6	126.8	125.6
57.5°	84.9	87.3	89.7	93.6	97.5	97.5	97.5	96.9
60°	64.0	66.1	68.2	70.3	72.4	73.0	73.6	71.8
62.5°	49.1	50.2	51.4	52.6	53.8	53.8	53.8	52.6
65°	37.1	37.1	37.1	38.9	40.7	41.0	41.3	40.7
67.5°	28.1	29.0	29.9	30.8	31.7	31.7	31.7	31.1
70°	21.5	22.1	22.7	23.6	24.5	24.8	25.1	25.1
72.5°	16.2	17.3	18.5	18.5	18.5	18.5	18.5	17.9
75°	12.0	12.3	12.6	12.9	13.2	12.9	12.6	12.0
77.5°	9.0	8.7	8.4	8.7	9.0	8.4	7.8	8.4
80°	7.2	6.6	6.0	5.7	5.4	4.8	4.2	3.6
82.5°	5.4	4.5	3.6	3.0	2.4	2.1	1.8	1.2
85°	4.8	3.9	3.0	2.1	1.2	0.6	0.0	0.0
87.5°	4.2	3.6	3.0	2.1	1.2	0.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)