

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: INVUE

Report Number: P670637

Luminaire Tested: **CCP-SA-1A-727-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670637
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-727-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2
distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

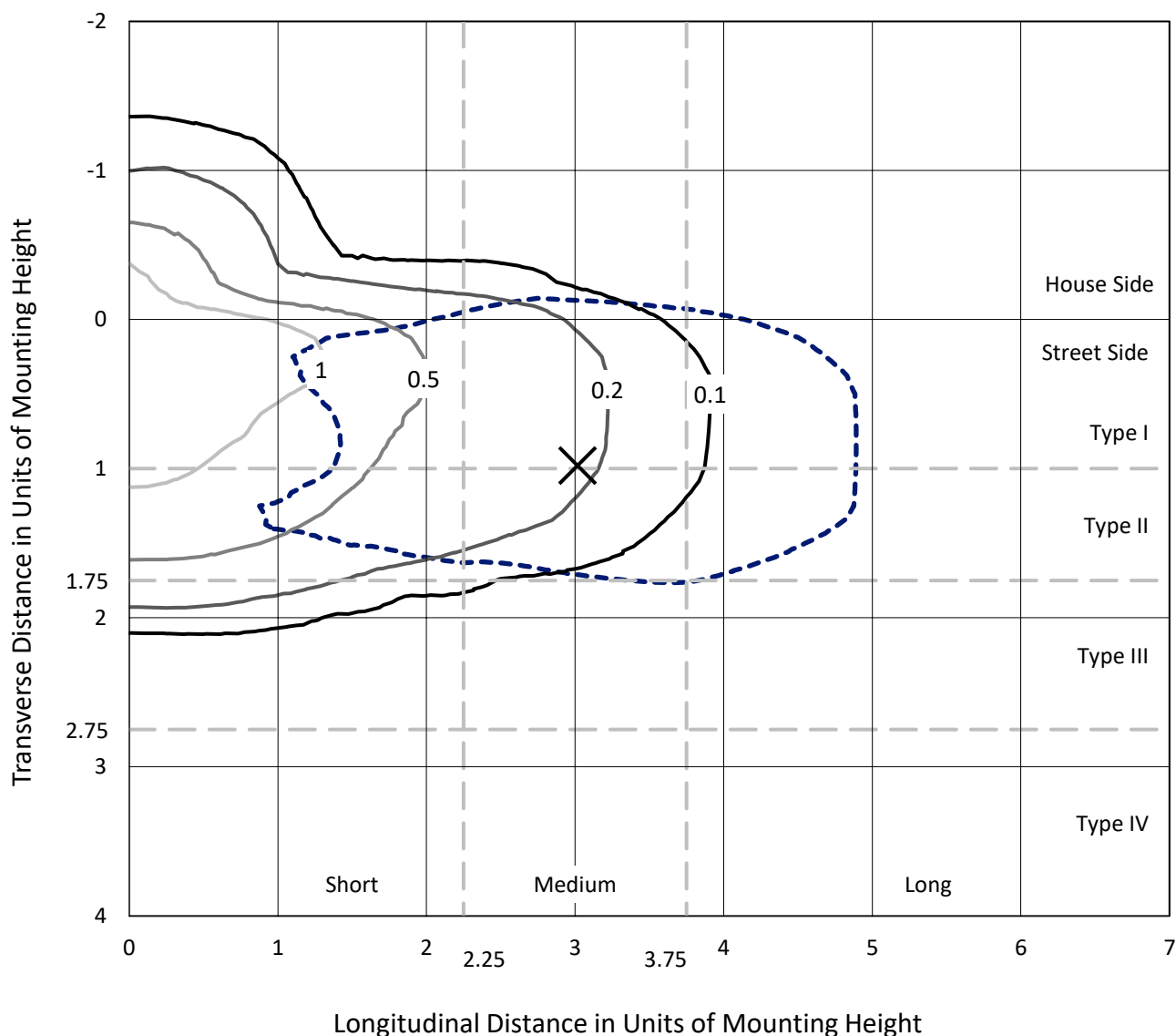
Lumens per Lamp: N/A
Luminaire Lumens: 2282.2 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 18
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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

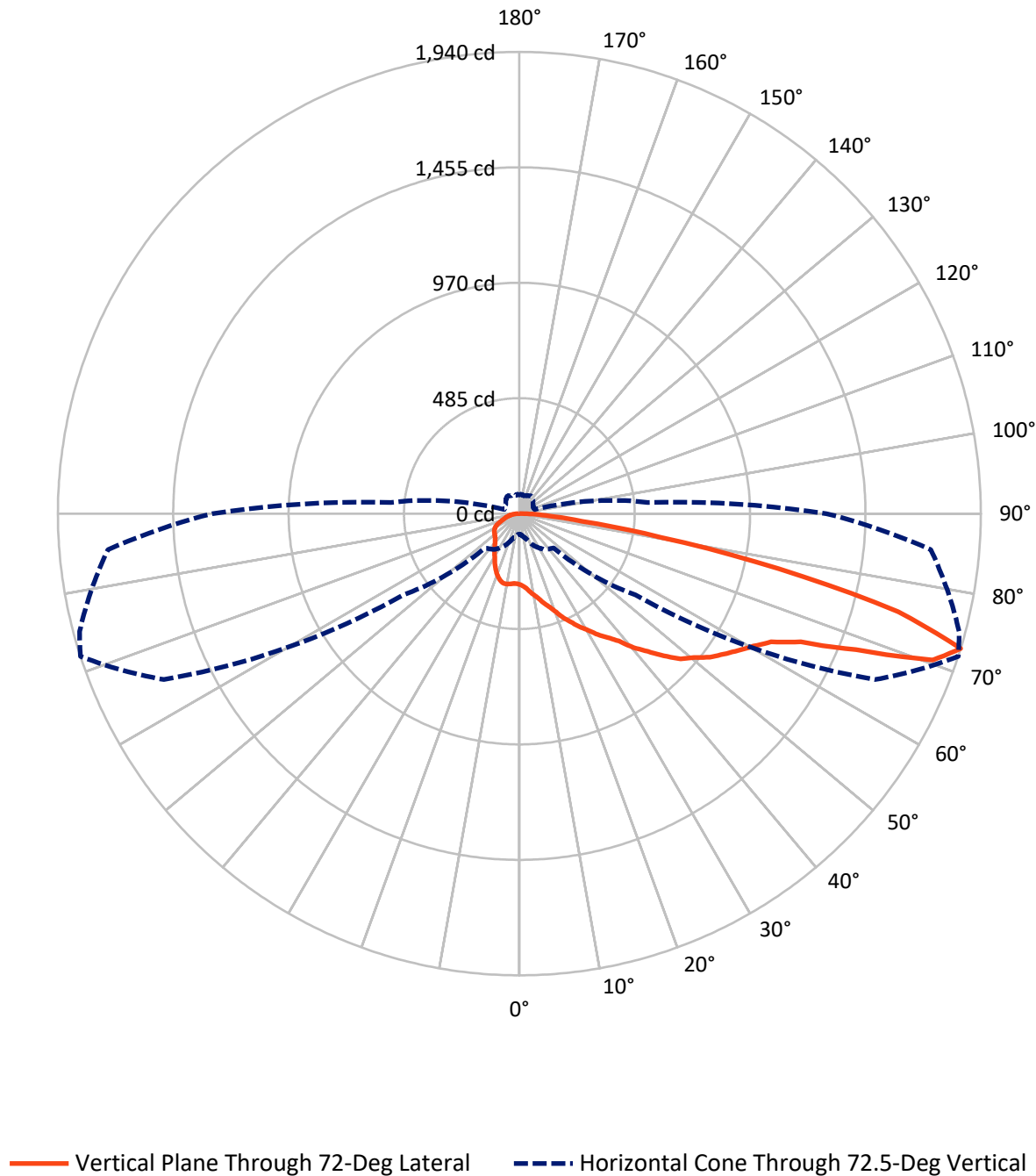
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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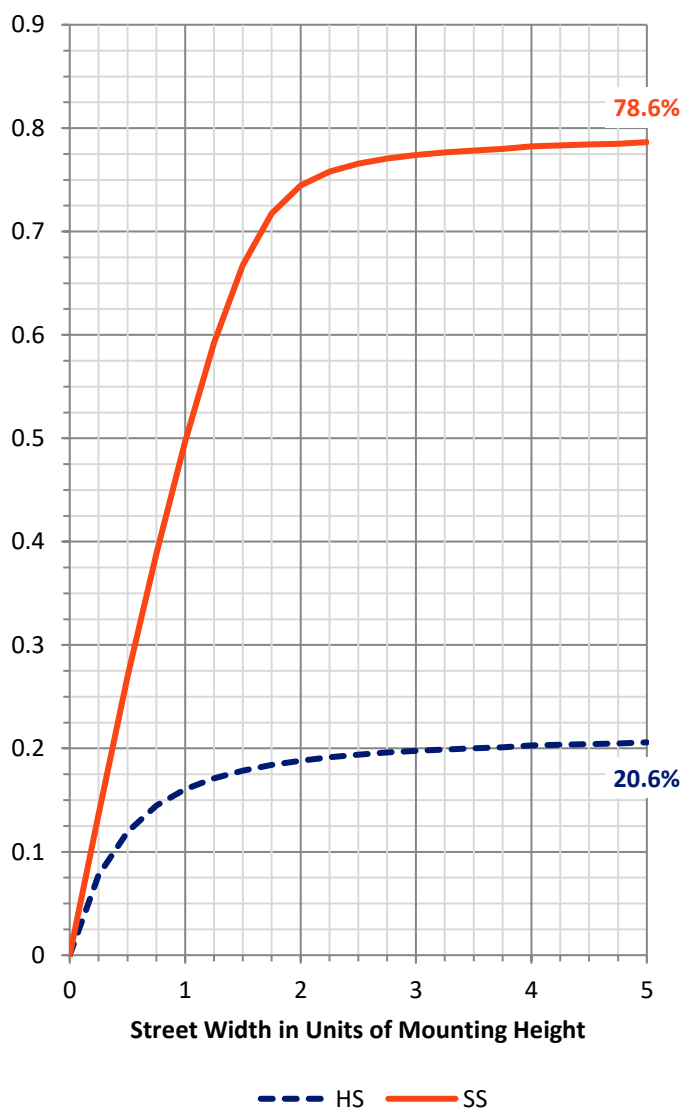
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	480.3	0.0	480.3
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	1801.9	0.0	1801.9
	% Fixture	79.0	0.0	79.0
Total	Lumens	2282.2	0.0	2282.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	1.3
10°-20°	91.6	4.0
20°-30°	158.5	6.9
30°-40°	234.1	10.3
40°-50°	348.1	15.3
50°-60°	477.2	20.9
60°-70°	517.7	22.7
70°-80°	365.0	16.0
80°-90°	60.6	2.7
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°	2282.2	100.0
0°-180°	2282.2	100.0

Coefficient of Utilization



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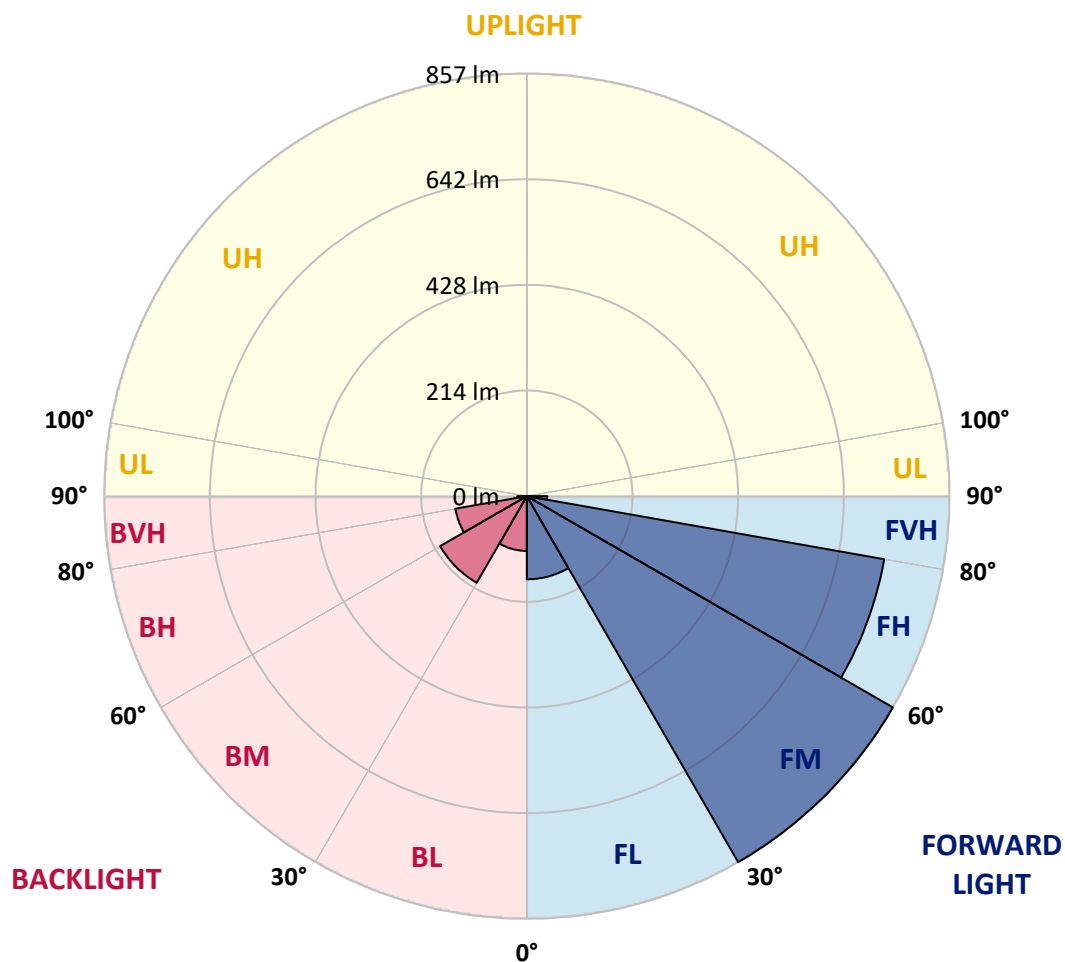
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	168.5	7.4			
FM	(30°-60°)	856.6	37.5			
FH	(60°-80°)	735.5	32.2			G1/1800
FVH	(80°-90°)	41.3	1.8			G1/100
BL	(0°-30°)	111.0	4.9	B1/500		
BM	(30°-60°)	202.9	8.9	B0/220		
BH	(60°-80°)	147.1	6.4	B1/500		G1/500
BVH	(80°-90°)	19.3	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1
2.5°	321.7	321.7	319.2	318.3	318.3	311.6	312.4	308.2	304.9	304.9	301.5
5°	338.5	336.9	336.9	336.9	332.7	330.1	329.3	321.7	315.8	316.7	306.5
7.5°	342.8	343.6	344.4	348.7	346.1	347.8	346.1	337.7	333.5	329.3	320.0
10°	345.3	347.0	347.0	352.9	352.9	357.1	359.6	356.2	348.7	344.4	329.3
12.5°	351.2	348.7	352.0	356.2	360.4	368.0	375.6	372.2	367.2	362.1	345.3
15°	351.2	352.0	354.6	361.3	368.0	375.6	389.1	394.1	391.6	382.3	364.7
17.5°	341.1	338.5	350.3	363.0	375.6	384.9	402.6	414.3	412.7	409.3	382.3
20°	341.9	344.4	348.7	359.6	379.8	396.7	418.6	437.9	442.1	440.5	405.9
22.5°	357.1	357.9	362.1	367.2	383.2	405.1	437.9	469.1	476.7	472.5	432.0
25°	372.2	379.0	379.0	382.3	388.2	411.0	450.6	494.3	505.3	506.1	459.0
27.5°	396.7	398.3	403.4	405.1	410.1	423.6	464.9	512.9	538.1	534.8	483.4
30°	425.3	426.1	429.5	427.8	428.7	445.5	478.3	533.9	568.5	569.3	509.5
32.5°	459.0	465.7	467.4	456.5	458.1	462.3	499.4	559.2	606.4	600.5	532.2
35°	508.7	511.2	506.1	501.1	488.5	485.9	521.3	584.5	639.2	645.9	565.9
37.5°	570.1	576.9	570.1	543.2	529.7	519.6	548.2	612.3	678.8	701.5	599.6
40°	627.4	626.6	619.8	595.4	571.8	564.2	587.0	651.0	740.3	762.2	648.5
42.5°	673.7	671.2	667.0	648.5	626.6	613.9	631.6	691.4	791.6	833.7	704.9
45°	714.2	710.8	711.6	690.6	669.5	676.3	676.3	737.7	852.3	904.5	769.7
47.5°	752.1	753.7	751.2	735.2	719.2	736.9	727.6	790.8	912.1	970.2	824.5
50°	795.8	799.2	790.8	780.7	766.4	784.1	772.3	840.5	950.8	1030.0	890.2
52.5°	837.1	840.5	848.1	835.4	821.1	835.4	808.5	886.8	1002.2	1088.1	940.7
55°	847.2	845.5	887.6	901.1	908.7	865.7	840.5	926.4	1042.6	1125.1	998.0
57.5°	800.9	805.1	862.4	901.1	982.0	944.9	876.7	972.7	1084.7	1174.0	1051.0
60°	685.5	688.0	759.6	851.4	969.3	1019.0	974.4	1032.5	1131.0	1215.2	1110.8
62.5°	458.1	477.5	566.8	710.8	880.1	1039.2	1130.2	1133.6	1187.5	1267.5	1192.5
65°	241.7	251.0	320.9	437.1	667.0	969.3	1276.7	1334.0	1300.3	1363.5	1310.4
67.5°	158.3	161.7	199.6	265.3	384.9	707.4	1293.6	1681.8	1526.8	1546.2	1499.1
70°	117.9	119.6	147.4	196.2	238.3	378.1	1060.3	1844.3	1843.5	1792.1	1723.1
72.5°	86.7	89.3	108.6	149.9	183.6	203.8	596.3	1649.8	1940.3	1914.2	1736.5
75°	68.2	69.9	80.0	116.2	148.2	133.9	302.3	1222.0	1645.6	1771.1	1589.2
77.5°	55.6	57.3	63.2	84.2	118.7	103.6	144.9	788.3	1115.9	1275.0	1216.1
80°	46.3	46.3	50.5	59.8	91.8	78.3	85.9	443.0	601.3	663.6	551.6
82.5°	39.6	38.7	42.1	43.8	68.2	56.4	55.6	200.4	264.4	280.4	207.2
85°	25.3	26.1	39.6	37.9	44.6	38.7	31.2	95.2	124.6	127.2	77.5
87.5°	10.1	10.1	16.8	21.1	25.3	23.6	15.2	43.0	54.7	54.7	21.9
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°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1
2.5°	300.7	297.3	294.8	293.1	288.9	284.7	285.5	284.7	281.3	279.6	279.6
5°	304.0	300.7	296.4	289.7	285.5	280.4	282.1	278.8	275.4	277.9	273.7
7.5°	312.4	306.5	300.7	290.5	283.8	276.2	272.9	271.2	268.7	267.0	267.0
10°	324.2	315.8	304.9	289.7	278.8	267.0	265.3	261.9	259.4	259.4	258.5
12.5°	336.0	326.8	308.2	283.8	265.3	256.9	256.0	256.9	258.5	259.4	260.2
15°	351.2	336.0	307.4	272.9	254.3	251.0	255.2	258.5	261.9	265.3	264.4
17.5°	365.5	347.8	299.8	259.4	245.1	245.9	253.5	260.2	267.0	270.3	271.2
20°	384.9	358.8	288.9	243.4	235.8	243.4	253.5	261.9	269.5	273.7	274.5
22.5°	406.8	371.4	274.5	229.1	228.2	235.8	245.9	258.5	267.0	274.5	273.7
25°	426.1	379.8	256.0	217.3	219.0	224.0	235.8	249.3	257.7	266.1	263.6
27.5°	438.8	381.5	236.6	208.9	208.9	213.9	224.9	233.3	240.9	247.6	248.4
30°	453.1	378.1	214.8	197.9	197.9	204.6	208.9	213.9	218.1	219.8	221.5
32.5°	469.9	370.6	201.3	189.5	189.5	194.5	197.1	195.4	194.5	190.3	192.9
35°	485.9	359.6	186.1	178.5	181.9	184.4	183.6	178.5	173.5	165.9	163.4
37.5°	505.3	348.7	172.6	166.7	172.6	173.5	173.5	167.6	160.9	151.6	151.6
40°	534.8	340.2	161.7	159.2	165.1	164.2	160.0	155.8	158.3	153.3	153.3
42.5°	565.9	336.9	151.6	152.4	155.0	155.8	151.6	146.5	156.6	150.7	151.6
45°	604.7	339.4	144.9	144.0	149.9	149.1	146.5	142.3	145.7	130.5	126.3
47.5°	640.9	344.4	141.5	138.1	144.9	146.5	143.2	133.9	128.9	119.6	117.9
50°	673.7	355.4	138.1	131.4	138.1	141.5	135.6	125.5	119.6	113.7	113.7
52.5°	704.9	371.4	136.4	123.8	129.7	133.9	130.5	120.4	113.7	111.2	108.6
55°	736.9	385.7	133.9	118.7	120.4	128.9	128.0	114.5	107.8	107.8	107.0
57.5°	782.4	405.1	130.5	110.3	113.7	123.0	123.0	112.0	104.4	105.3	106.1
60°	828.7	427.8	127.2	101.9	104.4	117.1	118.7	108.6	101.9	102.7	101.9
62.5°	902.8	469.9	120.4	91.8	96.8	109.5	113.7	104.4	98.5	100.2	100.2
65°	1014.8	542.4	106.1	83.4	89.3	102.7	108.6	100.2	93.5	98.5	96.8
67.5°	1195.0	641.7	89.3	76.6	84.2	96.0	102.7	95.2	89.3	96.8	94.3
70°	1356.7	690.6	76.6	70.7	76.6	88.4	96.0	90.1	84.2	91.8	88.4
72.5°	1291.0	541.5	66.5	64.0	69.9	80.0	89.3	83.4	77.5	81.7	78.3
75°	1114.2	431.2	58.1	57.3	62.3	72.4	81.7	77.5	71.6	73.3	71.6
77.5°	844.7	356.2	49.7	48.8	53.1	64.8	73.3	69.9	64.0	63.2	63.2
80°	377.3	175.2	41.3	41.3	43.8	55.6	62.3	60.6	54.7	53.9	53.1
82.5°	123.8	66.5	33.7	32.0	35.4	46.3	55.6	53.9	48.0	46.3	44.6
85°	49.7	32.0	24.4	24.4	27.8	38.7	49.7	46.3	38.7	34.5	34.5
87.5°	16.8	13.5	12.6	12.6	17.7	26.1	37.1	31.2	27.8	24.4	25.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)