

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: P671280

Luminaire Tested: **CCP-SA-1B-827-U-SL2**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671280
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-827-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ SL2 distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

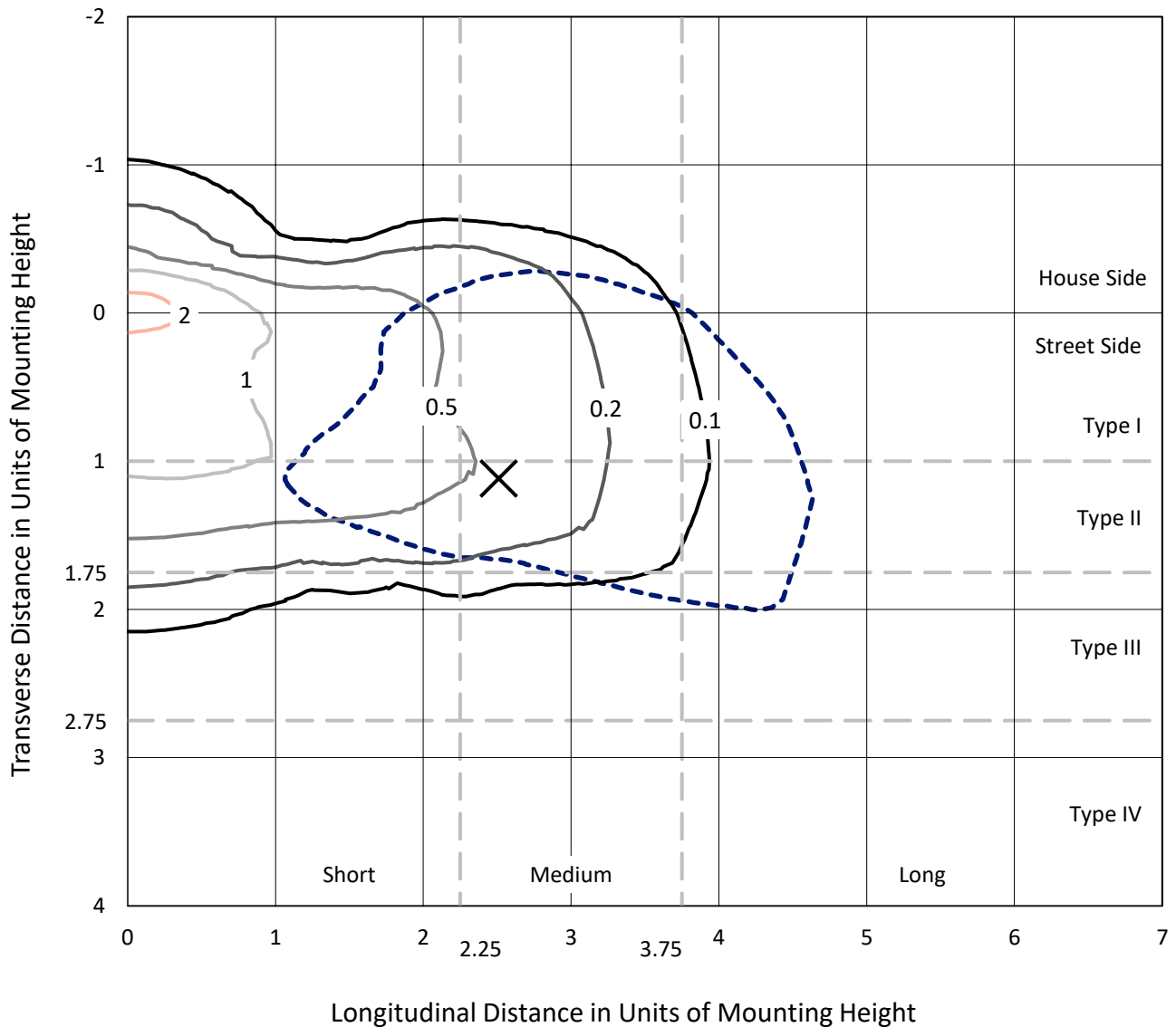
Lumens per Lamp: N/A
Luminaire Lumens: 2512.6 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

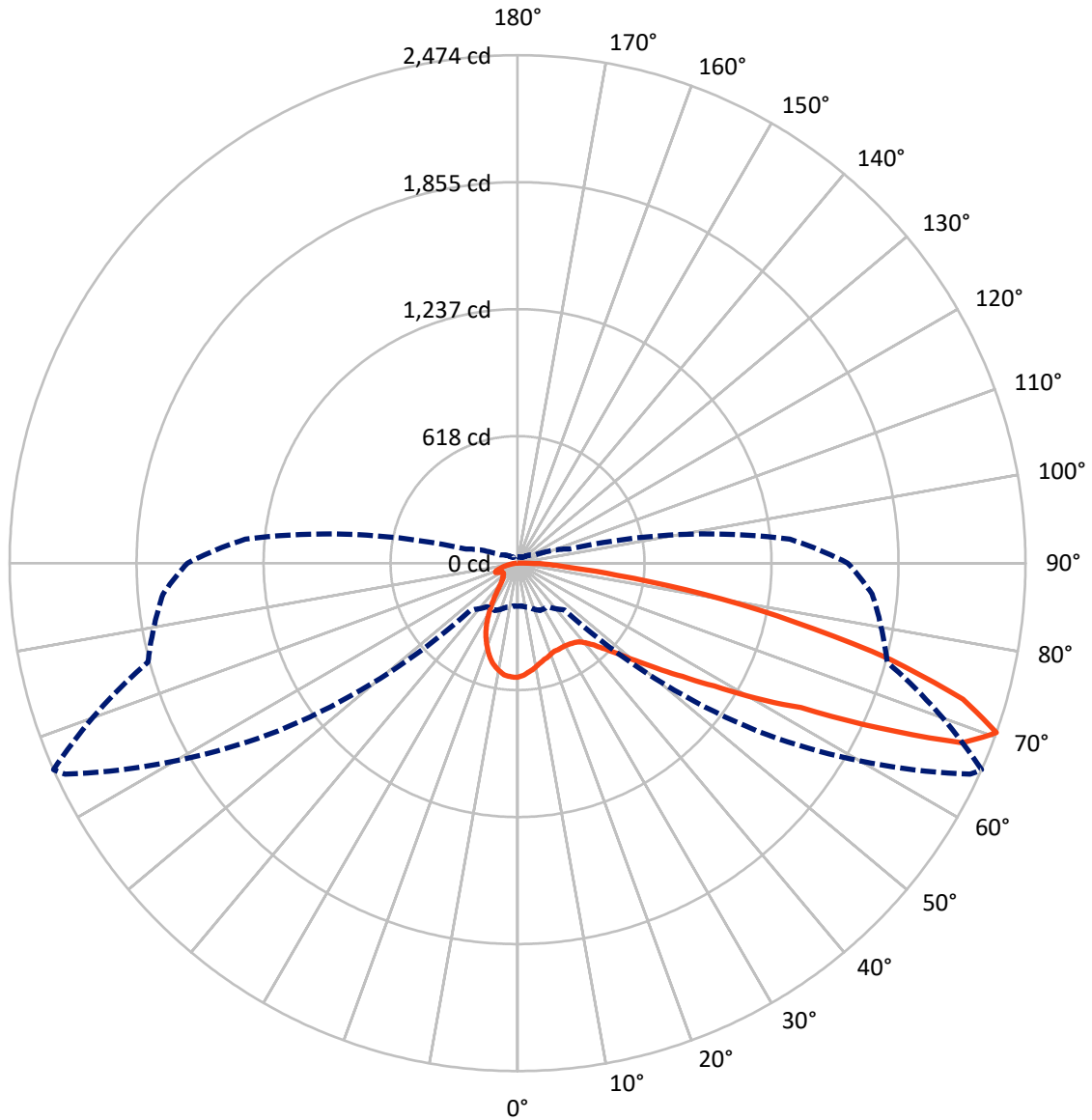
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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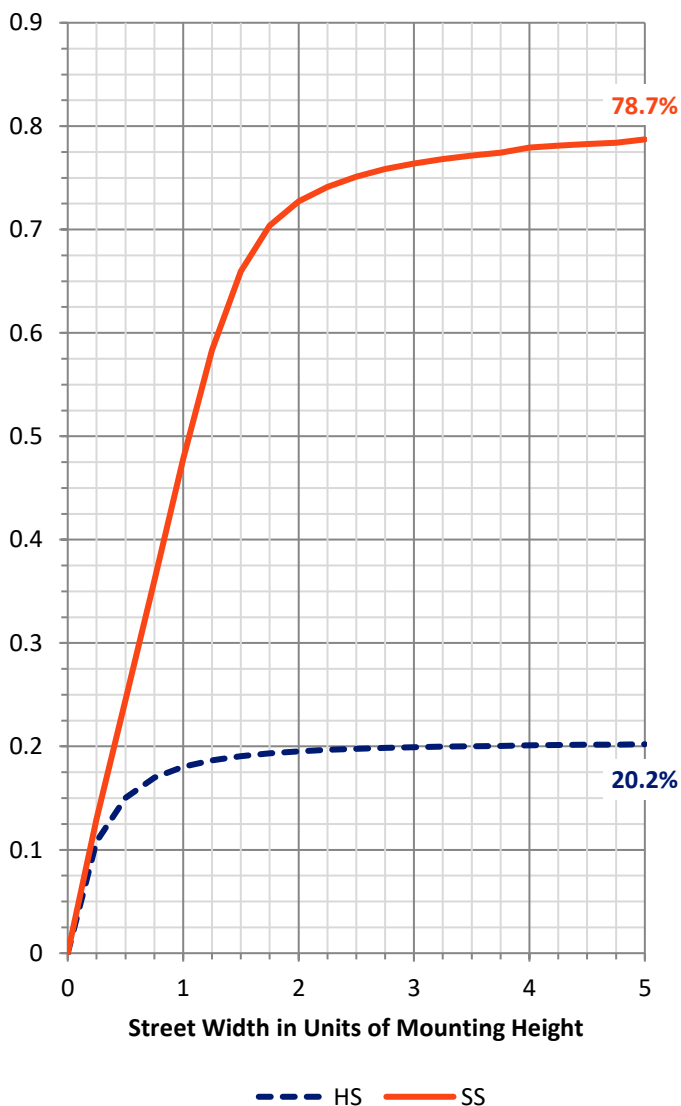
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	514.3	0.0	514.3
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	1998.3	0.0	1998.3
	% Fixture	79.5	0.0	79.5
Total	Lumens	2512.6	0.0	2512.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	2.0
10°-20°	120.8	4.8
20°-30°	165.9	6.6
30°-40°	222.5	8.9
40°-50°	322.8	12.8
50°-60°	490.7	19.5
60°-70°	606.0	24.1
70°-80°	450.7	17.9
80°-90°	84.1	3.3
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°	2512.6	100.0
0°-180°	2512.6	100.0



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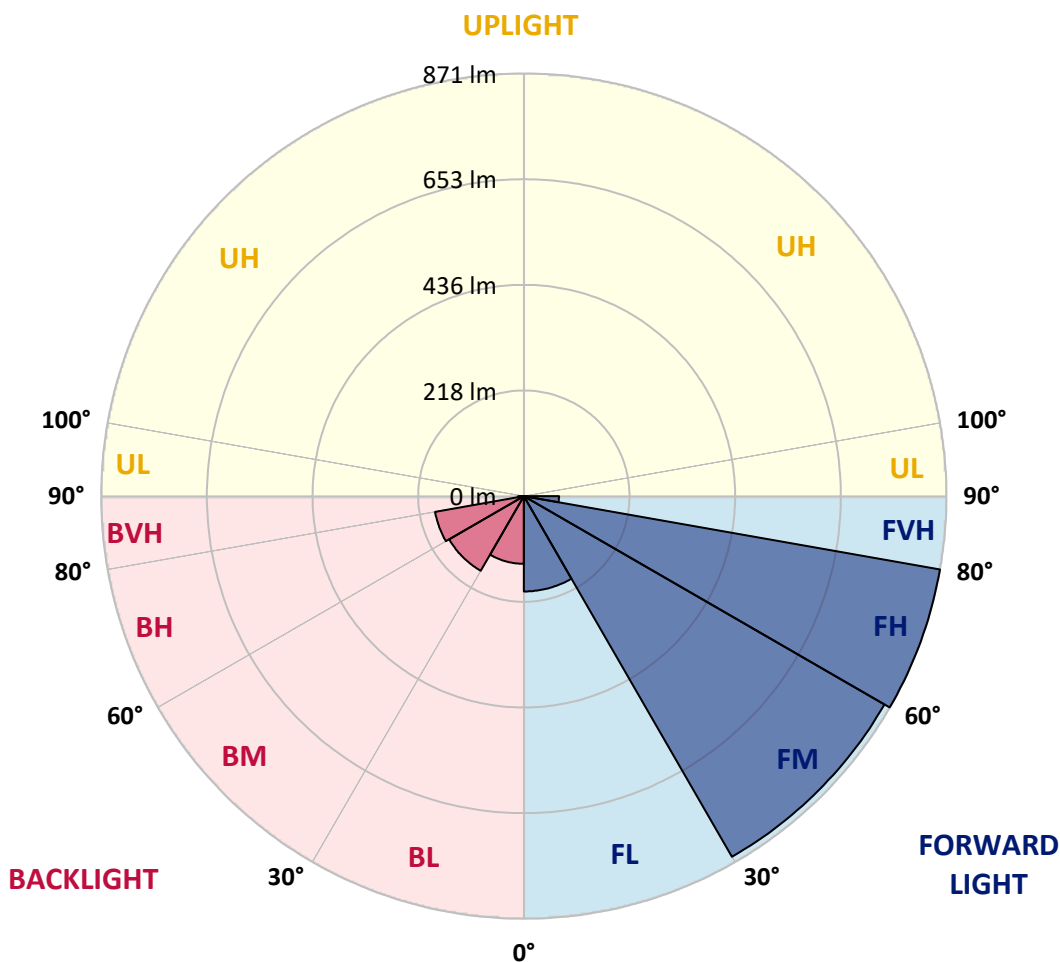
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	196.5	7.8			
FM (30°-60°)	858.3	34.2			
FH (60°-80°)	871.0	34.7			G1/1800
FVH (80°-90°)	72.5	2.9			G1/100
BL (0°-30°)	139.4	5.5	B1/500		
BM (30°-60°)	177.7	7.1	B0/220		
BH (60°-80°)	185.7	7.4	B1/500		G1/500
BVH (80°-90°)	11.6	0.5			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1
2.5°	528.0	530.8	531.7	533.6	538.3	542.0	547.6	550.4	547.6	551.4	551.4
5°	491.6	487.8	497.2	500.9	506.5	514.0	527.1	537.3	534.5	545.8	555.1
7.5°	460.7	460.7	463.5	471.9	478.5	489.7	503.7	519.6	524.3	539.2	553.2
10°	432.7	436.4	436.4	449.5	453.2	466.3	489.7	509.3	510.2	535.5	555.1
12.5°	417.7	415.9	425.2	428.9	440.2	453.2	471.9	496.2	497.2	524.3	551.4
15°	405.6	407.5	412.1	421.5	431.7	442.0	459.8	482.2	486.9	518.7	549.5
17.5°	406.5	407.5	407.5	414.0	422.4	434.6	451.4	477.5	480.3	511.2	546.7
20°	412.1	408.4	411.2	414.0	419.6	430.8	444.8	467.3	470.1	510.2	553.2
22.5°	424.3	421.5	420.5	419.6	418.7	425.2	443.0	461.7	464.5	505.6	556.0
25°	443.9	443.0	436.4	429.9	425.2	425.2	439.2	466.3	465.4	505.6	557.9
27.5°	467.3	467.3	466.3	454.2	440.2	432.7	442.0	464.5	463.5	505.6	562.6
30°	499.0	499.0	496.2	485.0	459.8	438.3	443.9	462.6	465.4	501.8	558.8
32.5°	533.6	532.7	535.5	525.2	499.0	464.5	455.1	466.3	469.1	505.6	559.8
35°	558.8	564.4	573.8	564.4	538.3	491.6	471.0	473.8	475.7	506.5	563.5
37.5°	587.8	594.4	607.4	614.9	586.9	532.7	496.2	485.9	485.9	518.7	564.4
40°	629.9	623.3	645.8	658.8	647.6	583.1	535.5	508.4	509.3	534.5	576.6
42.5°	660.7	667.2	690.6	714.0	700.0	644.8	578.5	544.8	544.8	557.9	595.3
45°	695.3	702.8	735.5	763.5	773.8	718.6	637.3	597.2	595.3	603.7	628.9
47.5°	733.6	743.9	781.3	814.0	841.1	795.3	713.0	660.7	659.8	666.3	685.0
50°	777.5	781.3	812.1	871.9	926.1	897.1	805.6	750.4	745.7	748.5	773.8
52.5°	790.6	787.8	823.3	887.8	986.9	1021.4	931.7	852.3	850.4	843.9	876.6
55°	742.9	752.3	786.9	869.1	1036.4	1168.1	1070.0	991.5	974.7	956.9	996.2
57.5°	647.6	648.6	687.8	785.0	998.1	1289.6	1304.6	1128.0	1128.9	1081.2	1126.1
60°	503.7	500.9	531.7	619.6	888.7	1327.0	1560.6	1345.7	1336.4	1205.5	1246.6
62.5°	363.5	357.9	364.5	415.9	664.4	1270.0	1812.0	1589.6	1550.4	1332.6	1364.4
65°	299.0	301.8	304.7	307.5	372.9	1047.6	1889.6	1987.7	1935.4	1481.2	1494.3
67.5°	247.6	249.5	261.7	278.5	276.6	618.7	1799.9	2355.9	2336.3	1665.3	1606.4
70°	210.3	209.3	223.3	254.2	258.9	321.5	1425.1	2431.6	2473.7	1863.4	1733.5
72.5°	168.2	170.1	182.2	223.3	254.2	271.0	820.5	2269.0	2268.1	2015.8	1665.3
75°	120.6	120.6	137.4	185.0	245.8	268.2	454.2	1841.9	1876.5	1894.3	1444.8
77.5°	79.4	83.2	96.3	138.3	230.8	262.6	287.8	1339.2	1382.2	1416.7	1105.5
80°	54.2	56.1	64.5	96.3	195.3	264.5	235.5	900.9	917.7	782.2	448.6
82.5°	32.7	33.6	43.0	67.3	140.2	251.4	221.5	497.2	486.9	236.4	129.0
85°	17.8	18.7	27.1	44.9	92.5	219.6	217.7	243.9	227.1	86.9	54.2
87.5°	6.5	6.5	12.1	22.4	53.3	150.5	189.7	144.9	135.5	43.9	25.2
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°	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1
2.5°	556.0	556.0	556.0	556.0	555.1	551.4	554.2	553.2	547.6	548.6	544.8
5°	554.2	558.8	556.0	552.3	547.6	536.4	532.7	529.9	522.4	519.6	522.4
7.5°	558.8	555.1	553.2	546.7	528.0	517.7	504.6	488.8	477.5	474.7	477.5
10°	557.9	557.9	549.5	530.8	513.1	483.1	466.3	438.3	422.4	417.7	418.7
12.5°	554.2	557.0	543.9	514.0	480.3	443.9	413.1	383.2	355.1	343.9	342.0
15°	557.9	555.1	531.7	493.4	446.7	396.2	351.4	307.5	281.3	264.5	260.7
17.5°	552.3	549.5	515.9	465.4	402.8	338.3	282.2	234.6	208.4	201.9	201.9
20°	558.8	541.1	497.2	431.7	357.0	274.7	211.2	175.7	169.1	169.1	171.0
22.5°	557.9	539.2	481.3	399.0	301.8	207.5	157.0	146.7	147.7	155.1	154.2
25°	552.3	535.5	458.8	362.6	243.9	156.1	129.9	127.1	133.6	142.0	141.1
27.5°	551.4	525.2	438.3	319.6	186.0	123.4	113.1	113.1	119.6	127.1	126.2
30°	545.8	516.8	413.1	271.0	140.2	107.5	103.7	103.7	106.5	110.3	110.3
32.5°	544.8	505.6	385.0	220.5	112.1	97.2	95.3	96.3	96.3	98.1	97.2
35°	537.3	490.6	356.1	171.0	97.2	91.6	89.7	88.8	88.8	87.8	87.8
37.5°	534.5	481.3	326.1	132.7	90.6	86.9	85.0	82.2	81.3	81.3	80.4
40°	537.3	471.9	297.2	107.5	85.0	83.2	80.4	76.6	75.7	75.7	75.7
42.5°	547.6	471.0	267.3	93.5	82.2	79.4	75.7	72.0	71.0	72.0	71.0
45°	571.0	478.5	238.3	86.9	78.5	75.7	71.0	68.2	67.3	68.2	68.2
47.5°	609.3	499.0	212.1	83.2	75.7	72.0	67.3	64.5	64.5	64.5	64.5
50°	672.9	538.3	186.9	80.4	73.8	69.2	64.5	60.7	59.8	59.8	60.7
52.5°	768.2	605.6	166.3	78.5	71.0	65.4	60.7	57.9	56.1	55.1	56.1
55°	883.1	703.7	159.8	76.6	67.3	62.6	57.9	54.2	52.3	52.3	51.4
57.5°	1006.5	812.1	171.0	74.8	64.5	58.9	54.2	50.5	48.6	47.7	47.7
60°	1140.1	940.1	212.1	73.8	61.7	55.1	50.5	47.7	44.9	43.9	43.9
62.5°	1261.6	1056.0	286.0	72.9	59.8	51.4	46.7	43.0	41.1	40.2	40.2
65°	1399.9	1185.0	357.9	76.6	58.9	48.6	43.0	39.2	37.4	36.4	36.4
67.5°	1520.5	1297.1	400.0	86.0	61.7	44.9	38.3	35.5	34.6	33.6	33.6
70°	1608.3	1331.7	268.2	94.4	66.4	42.1	34.6	32.7	30.8	30.8	30.8
72.5°	1490.6	1188.7	158.9	88.8	62.6	39.2	30.8	29.0	28.0	28.0	27.1
75°	1274.7	1012.1	122.4	72.0	50.5	33.6	27.1	25.2	24.3	24.3	23.4
77.5°	941.1	725.2	90.6	57.0	39.2	27.1	23.4	22.4	21.5	20.6	20.6
80°	368.2	317.7	61.7	42.1	29.0	21.5	19.6	18.7	17.8	16.8	16.8
82.5°	114.0	96.3	35.5	28.0	20.6	16.8	15.9	15.0	14.0	13.1	13.1
85°	49.5	47.7	23.4	17.8	14.0	11.2	11.2	10.3	9.3	8.4	8.4
87.5°	24.3	23.4	13.1	8.4	7.5	5.6	5.6	4.7	3.7	3.7	3.7
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)