

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: P676663

Luminaire Tested: **CCW-SA-1B-722-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676663
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-722-U-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
T4W distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

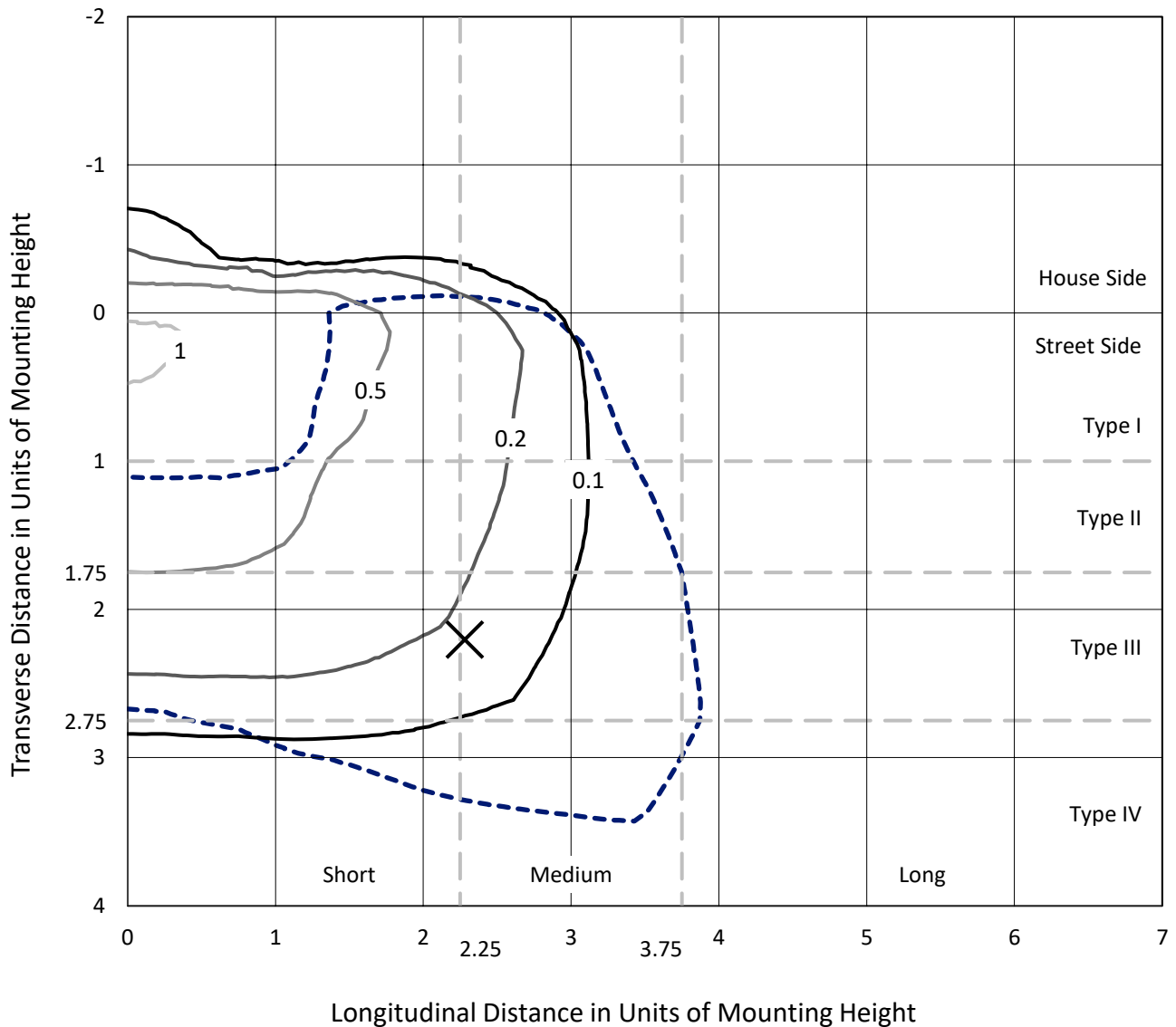
Lumens per Lamp: N/A
Luminaire Lumens: 1835.4 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

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

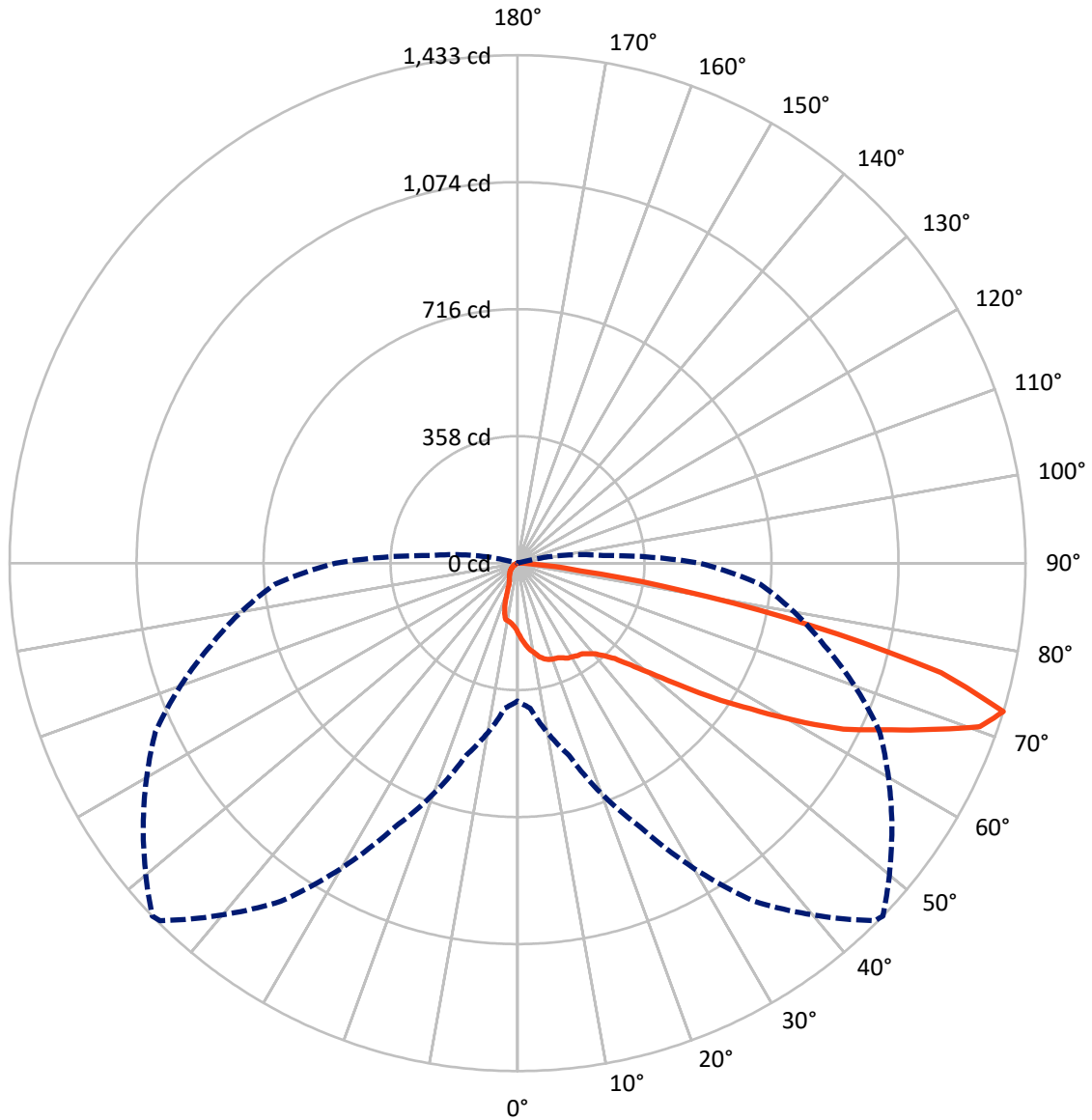
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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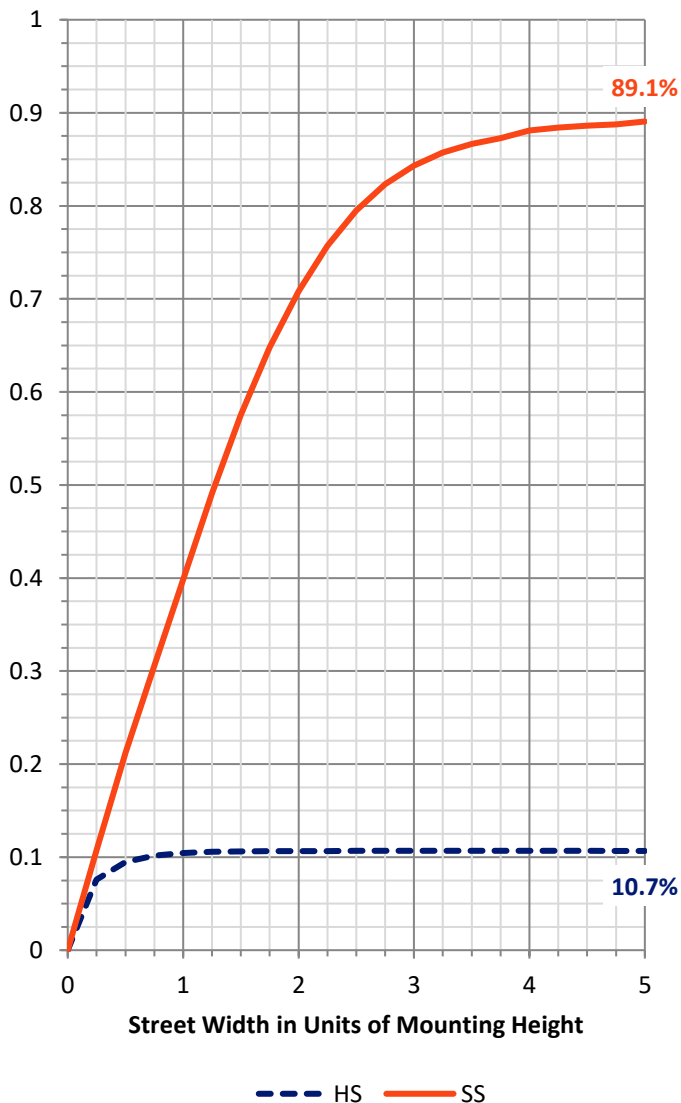
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	197.6	0.0	197.6
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	1637.8	0.0	1637.8
	% Fixture	89.2	0.0	89.2
Total	Lumens	1835.4	0.0	1835.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	1.1
10°-20°	59.3	3.2
20°-30°	92.8	5.1
30°-40°	130.0	7.1
40°-50°	214.3	11.7
50°-60°	385.2	21.0
60°-70°	558.3	30.4
70°-80°	348.4	19.0
80°-90°	27.6	1.5
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°	1835.4	100.0
0°-180°	1835.4	100.0

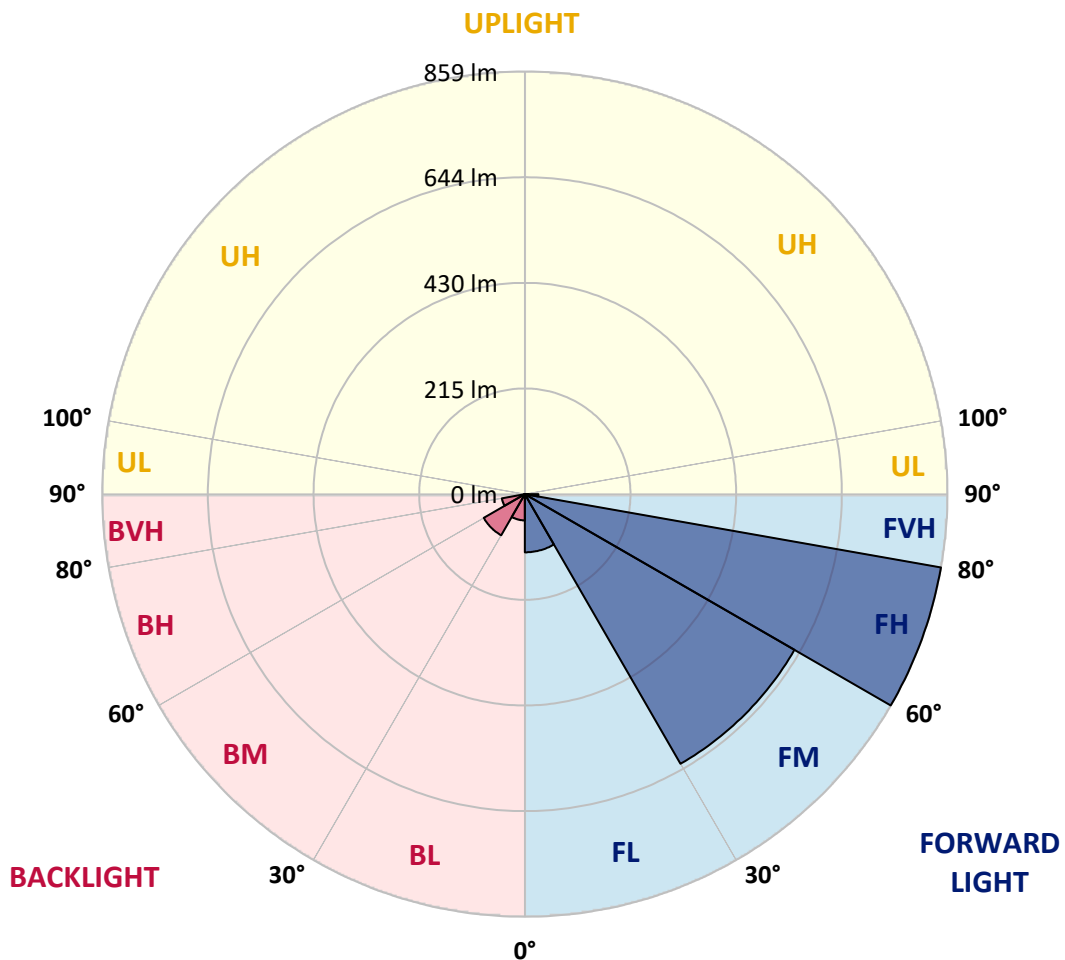


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.3	6.4			
FM (30°-60°)	632.9	34.5			
FH (60°-80°)	859.1	46.8			G1/1800
FVH (80°-90°)	27.5	1.5			G1/100
BL (0°-30°)	53.4	2.9	B0/110		
BM (30°-60°)	96.5	5.3	B0/220		
BH (60°-80°)	47.5	2.6	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	196.2	196.2	196.2	196.2	196.2	196.2	196.2	196.2	196.2	196.2	196.2
2.5°	219.6	218.6	220.0	219.6	213.9	214.9	214.4	210.7	204.1	200.4	198.0
5°	244.8	247.2	245.3	241.1	237.8	231.3	230.3	224.2	213.9	207.4	200.4
7.5°	271.1	271.1	267.3	260.8	253.7	246.7	245.8	235.5	226.6	215.4	205.5
10°	290.7	288.4	285.6	278.6	270.6	261.2	256.6	249.1	239.2	225.7	213.0
12.5°	308.0	304.3	299.6	289.3	280.0	269.7	270.6	258.4	251.9	239.7	221.0
15°	317.9	314.6	310.4	301.0	286.5	281.8	280.0	272.5	260.8	248.6	230.8
17.5°	320.2	317.9	312.3	300.1	292.1	286.5	286.0	277.2	272.0	261.7	242.0
20°	315.5	311.3	307.1	299.2	291.7	289.8	288.4	288.4	281.8	268.3	249.1
22.5°	307.6	302.9	300.6	295.9	289.8	289.3	290.3	289.3	284.2	275.3	256.6
25°	301.5	299.2	295.4	294.0	290.3	297.3	295.9	294.5	293.1	282.8	268.3
27.5°	303.4	302.9	300.1	294.5	291.7	299.2	303.4	303.8	303.4	293.1	279.0
30°	304.3	302.0	299.2	297.7	298.7	306.2	306.2	316.5	312.3	302.0	289.8
32.5°	315.1	313.7	304.3	301.0	301.5	310.4	310.9	321.2	319.8	312.7	299.2
35°	338.0	328.6	315.1	305.7	305.7	317.4	313.7	328.6	332.4	321.2	305.7
37.5°	372.2	365.2	340.8	319.8	311.8	320.2	324.0	332.4	343.6	333.8	318.8
40°	440.1	438.7	404.0	358.6	327.2	334.7	336.1	349.2	356.7	343.2	338.9
42.5°	539.3	532.3	500.0	428.4	355.3	352.1	357.2	365.6	383.4	372.2	361.9
45°	636.2	633.0	600.6	520.6	406.4	386.7	383.9	398.9	425.1	412.9	405.0
47.5°	706.5	699.9	681.6	614.2	481.3	427.4	429.3	444.3	477.5	468.2	470.5
50°	760.3	757.0	737.8	700.8	575.8	491.6	487.8	502.8	547.7	553.8	560.4
52.5°	819.3	825.4	799.6	768.2	687.7	577.7	569.3	574.4	632.5	646.5	664.8
55°	875.9	885.8	860.0	855.8	804.8	673.2	671.8	659.6	734.5	736.4	746.2
57.5°	912.9	909.6	907.8	930.7	921.8	782.8	775.7	763.6	831.5	819.3	848.8
60°	915.7	925.1	956.4	1013.1	1029.0	911.5	901.2	868.0	915.3	886.2	942.4
62.5°	936.8	944.3	1002.3	1080.5	1101.1	1024.8	1031.8	947.6	986.9	963.9	1046.3
65°	883.4	906.8	1023.4	1132.9	1195.7	1139.5	1132.5	1050.1	1060.4	1038.8	1148.9
67.5°	835.2	844.1	965.8	1148.9	1270.6	1254.7	1251.9	1140.9	1136.2	1096.4	1177.9
70°	678.8	689.6	809.9	1067.4	1295.9	1389.0	1382.5	1268.2	1187.7	1065.1	1029.0
72.5°	389.0	410.6	561.3	822.1	1164.3	1426.5	1432.6	1288.8	1126.9	895.6	687.3
75°	127.3	133.4	233.1	465.8	870.8	1244.4	1233.6	1107.7	909.2	591.3	310.4
77.5°	43.1	44.0	68.8	168.5	482.7	840.8	846.9	791.7	558.5	245.8	85.7
80°	22.0	23.4	33.7	63.2	198.5	457.9	467.7	451.3	234.1	72.6	20.6
82.5°	10.3	10.8	19.7	35.1	90.8	179.8	179.8	197.6	82.9	40.7	8.4
85°	3.7	3.7	10.3	20.1	38.4	59.9	60.4	60.9	43.5	30.4	3.7
87.5°	1.4	1.4	5.1	8.4	14.0	18.3	18.3	14.5	22.0	20.1	1.4
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°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	196.2	196.2	196.2	196.2	196.2	196.2	196.2	196.2	196.2	196.2	196.2
2.5°	197.1	194.3	191.9	188.7	184.5	182.1	182.6	179.8	179.8	178.4	177.9
5°	197.1	194.3	188.2	182.6	178.8	174.2	171.8	169.9	169.9	169.0	169.5
7.5°	198.5	194.3	185.9	178.4	172.3	167.6	163.9	163.4	162.5	160.1	162.0
10°	206.9	200.8	186.8	176.5	169.5	164.3	157.8	155.9	153.1	148.9	149.3
12.5°	213.9	206.0	193.3	179.3	170.4	162.0	147.0	130.6	123.6	116.1	116.6
15°	224.2	213.0	195.7	183.1	170.4	143.3	116.1	95.0	83.8	78.2	78.2
17.5°	229.9	220.5	202.2	185.4	156.8	116.6	82.4	64.1	62.3	63.2	63.2
20°	241.6	228.9	209.7	187.3	134.4	82.9	60.4	58.5	59.5	61.3	60.9
22.5°	249.1	236.4	215.4	178.8	103.9	59.5	56.6	55.7	56.6	59.0	59.0
25°	255.1	247.2	224.2	158.2	73.5	53.8	52.9	53.8	54.8	55.7	57.1
27.5°	270.1	256.6	230.3	131.6	52.9	50.1	51.0	51.5	51.5	52.9	53.4
30°	280.0	269.2	235.0	101.6	46.8	46.3	47.3	47.8	48.2	49.6	50.1
32.5°	289.3	285.6	228.9	68.8	44.0	43.1	42.6	43.1	44.9	46.3	45.9
35°	302.9	300.6	220.0	47.8	41.2	39.3	38.4	38.9	40.3	41.7	41.2
37.5°	319.3	321.6	198.5	41.7	38.4	36.0	34.2	34.2	34.6	36.0	36.5
40°	338.5	344.6	173.2	38.9	36.5	33.7	31.8	29.5	29.0	28.6	29.0
42.5°	373.6	380.6	144.7	37.0	33.7	30.4	27.6	24.8	22.5	21.1	21.1
45°	422.7	417.1	107.2	35.1	32.3	27.6	23.4	20.1	16.9	15.4	15.4
47.5°	490.6	471.4	73.5	33.2	30.0	24.3	19.7	15.4	12.6	11.2	11.2
50°	584.7	521.5	47.8	31.4	28.6	21.1	15.9	11.2	9.4	8.9	9.4
52.5°	673.7	572.6	37.9	29.0	25.7	18.3	12.2	9.4	8.4	8.0	8.0
55°	755.6	598.3	33.7	26.7	23.4	15.0	10.3	8.0	7.5	7.0	7.0
57.5°	824.9	607.2	29.0	23.4	18.7	11.7	8.4	7.0	6.1	5.6	5.6
60°	884.8	609.5	22.5	18.7	13.6	8.9	7.0	6.1	5.1	4.2	4.2
62.5°	932.6	593.2	15.9	13.1	9.4	7.0	6.1	4.2	2.8	1.9	1.4
65°	970.5	560.4	10.8	8.9	6.1	5.1	3.7	1.9	0.5	0.0	0.0
67.5°	926.0	485.9	8.4	6.6	4.2	3.3	1.9	0.5	0.0	0.0	0.0
70°	755.1	376.9	6.1	4.2	2.8	0.9	0.5	0.0	0.0	0.0	0.0
72.5°	514.0	243.0	4.7	2.8	1.4	0.5	0.0	0.0	0.0	0.0	0.0
75°	230.8	87.1	3.3	1.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	56.2	20.6	2.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	15.0	5.1	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	5.6	1.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)