

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: P674443

Luminaire Tested: **CCP-SA-2B-760-U-AFL-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674443  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2B-760-U-AFL-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ AFL distribution lens and House Side Shield  
Light Source: (32) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

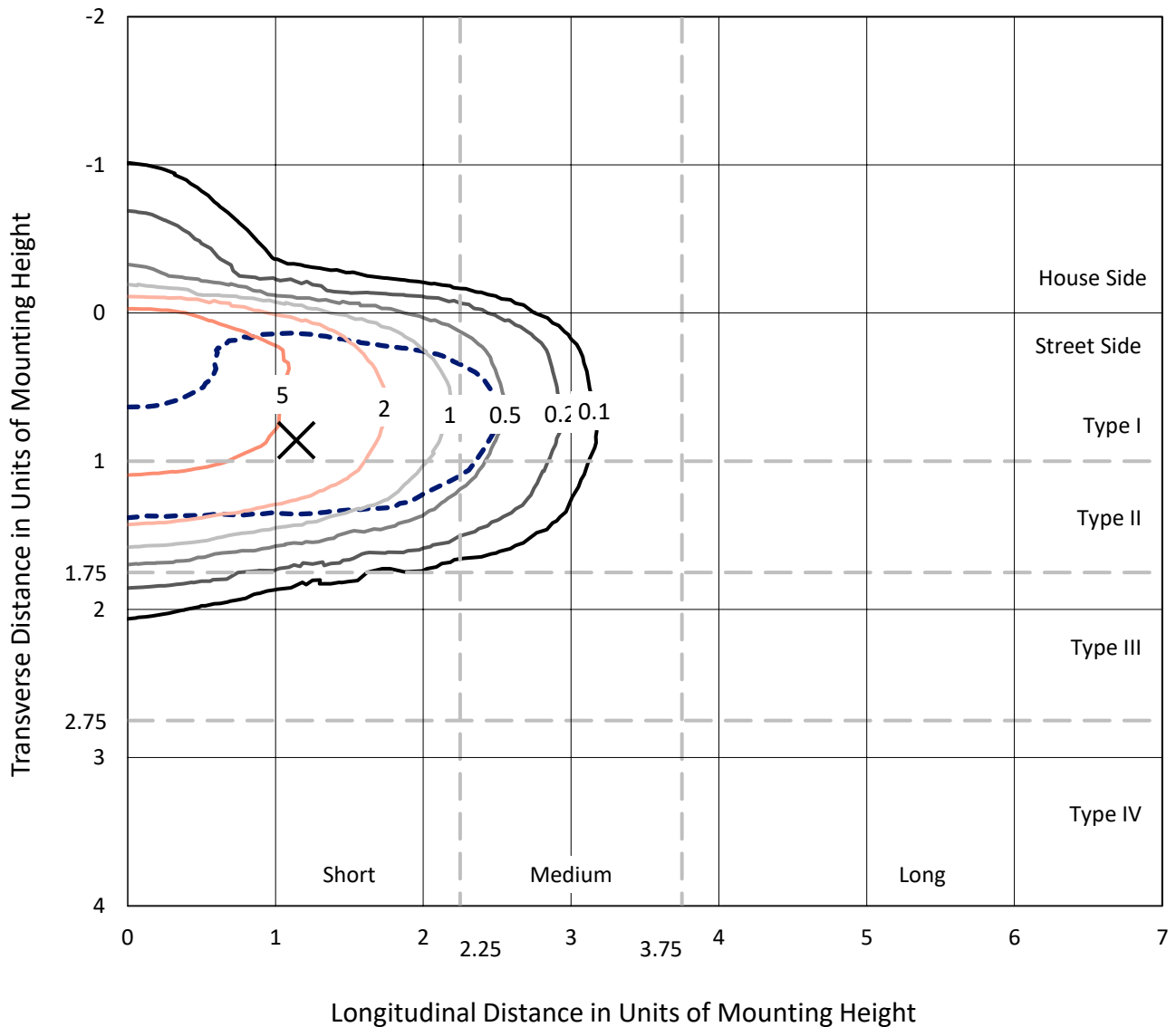
Lumens per Lamp: N/A  
Luminaire Lumens: 5858.2 lumens  
Efficiency: N/A  
Efficacy: 127.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 46  
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

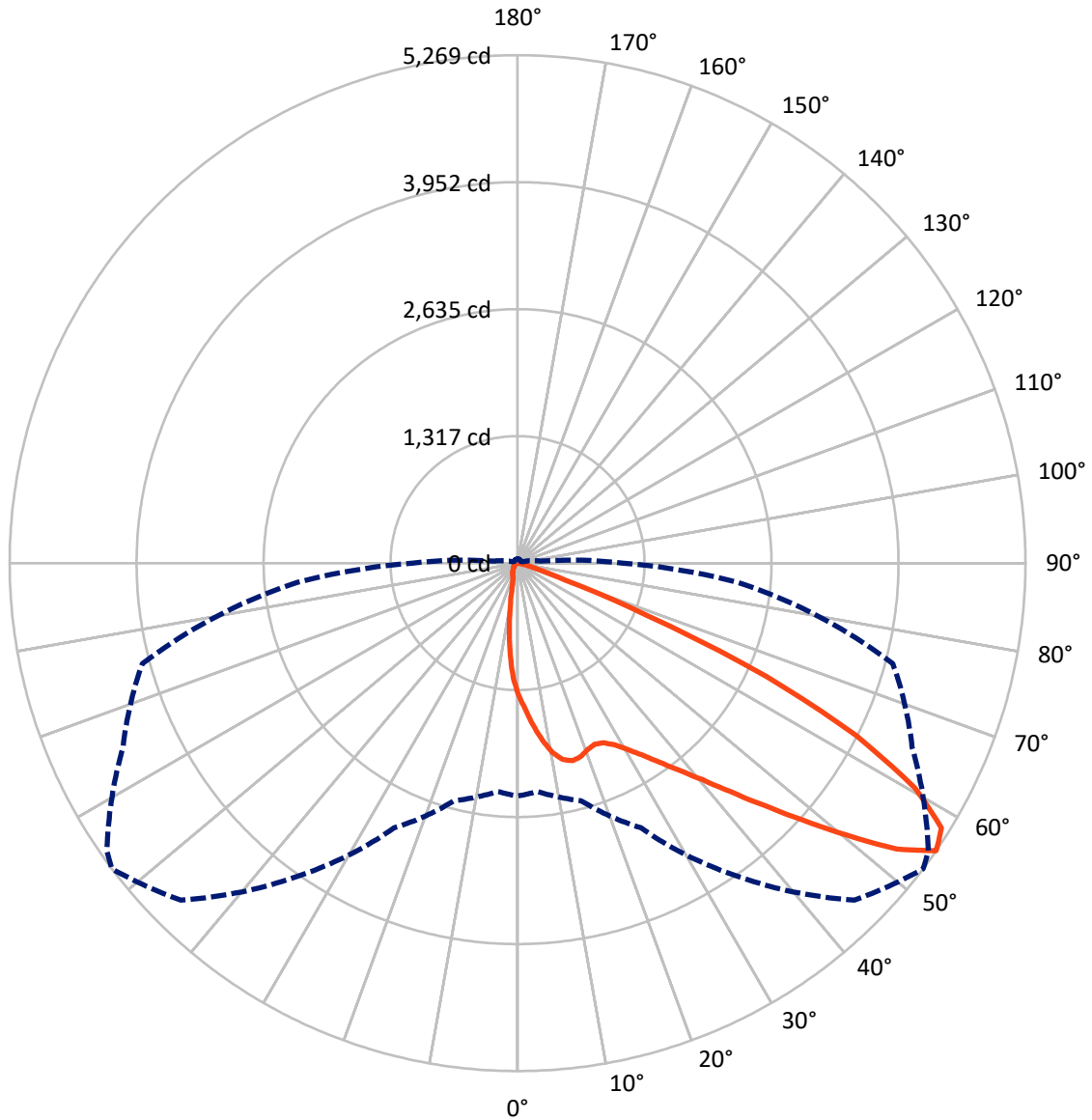
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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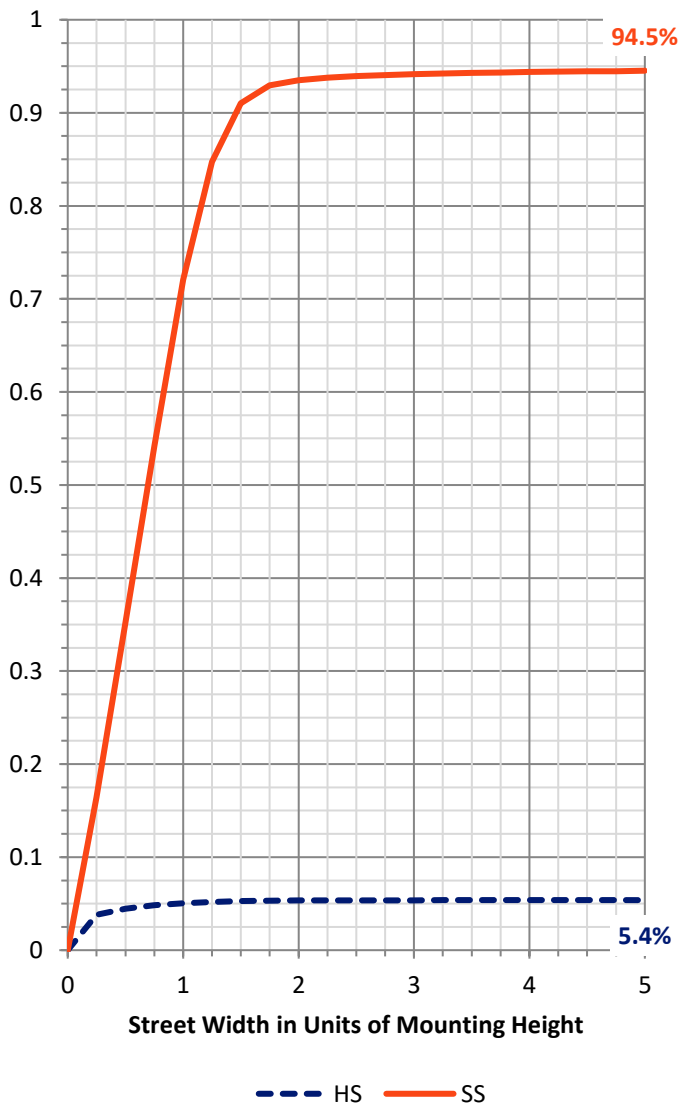
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	316.7	0.0	316.7
	% Fixture	5.4	0.0	5.4
<b>Street Side</b>	Lumens	5541.5	0.0	5541.5
	% Fixture	94.6	0.0	94.6
<b>Total</b>	Lumens	5858.2	0.0	5858.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.6	2.1
10°-20°	320.3	5.5
20°-30°	536.0	9.2
30°-40°	877.0	15.0
40°-50°	1409.7	24.1
50°-60°	1591.6	27.2
60°-70°	849.0	14.5
70°-80°	139.5	2.4
80°-90°	12.5	0.2
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°	5858.2	100.0
0°-180°	5858.2	100.0



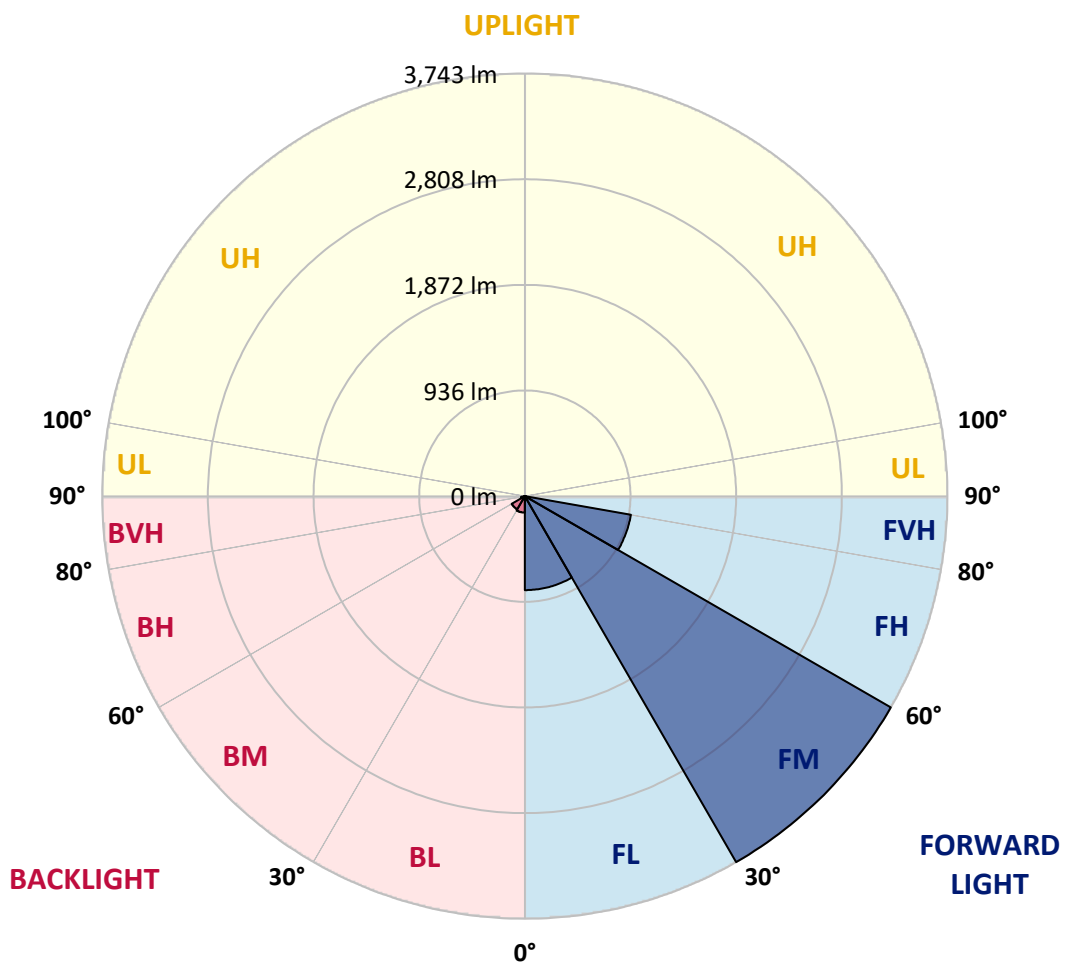
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	832.8	14.2			
FM (30°-60°)	3743.4	63.9			
FH (60°-80°)	953.9	16.3			G1/1800
FVH (80°-90°)	11.5	0.2			G1/100
BL (0°-30°)	146.1	2.5	B1/500		
BM (30°-60°)	134.9	2.3	B0/220		
BH (60°-80°)	34.6	0.6	B0/110		G0/110
BVH (80°-90°)	1.0	0.0			G0/10
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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1370.9	1370.9	1370.9	1370.9	1370.9	1370.9	1370.9	1370.9	1370.9	1370.9	1370.9
2.5°	1644.0	1634.3	1639.9	1625.0	1597.8	1563.9	1513.1	1515.7	1475.7	1440.8	1392.5
5°	1915.5	1905.3	1902.2	1864.2	1826.2	1765.1	1689.7	1677.4	1604.0	1515.2	1414.1
7.5°	2058.7	2050.0	2056.7	2042.8	2005.4	1949.9	1854.5	1845.2	1731.8	1597.3	1448.5
10°	1993.0	1990.0	2018.2	2051.0	2081.3	2074.6	1998.2	1983.8	1856.5	1687.6	1483.9
12.5°	1816.5	1826.2	1862.1	1922.7	2016.1	2103.9	2091.6	2094.1	1983.8	1785.7	1522.9
15°	1712.8	1724.6	1745.1	1776.4	1891.4	2047.4	2127.0	2152.7	2106.0	1895.0	1569.1
17.5°	1704.1	1713.8	1716.9	1728.7	1795.9	1956.6	2112.6	2161.4	2214.8	1998.2	1620.9
20°	1771.3	1775.4	1772.8	1764.1	1788.2	1907.3	2067.5	2137.3	2304.6	2108.0	1666.6
22.5°	1898.1	1891.9	1884.2	1851.9	1850.3	1921.2	2042.8	2115.7	2358.0	2198.9	1696.9
25°	2055.1	2042.3	2031.5	1985.8	1964.3	1993.5	2064.9	2123.4	2406.2	2287.1	1718.4
27.5°	2226.6	2230.7	2204.0	2142.4	2108.5	2102.4	2133.2	2176.8	2452.9	2366.2	1730.2
30°	2409.8	2411.9	2377.0	2313.3	2282.5	2243.0	2240.9	2267.1	2503.2	2457.0	1741.5
32.5°	2618.7	2624.4	2567.4	2501.2	2447.3	2396.0	2370.8	2392.9	2593.6	2575.6	1764.6
35°	2920.5	2895.9	2818.9	2718.8	2642.3	2575.1	2536.6	2551.0	2713.7	2717.8	1810.8
37.5°	3231.6	3229.0	3143.8	2999.6	2874.3	2790.7	2725.0	2748.6	2882.5	2908.2	1884.7
40°	3521.6	3528.2	3454.3	3328.6	3167.4	3023.7	2953.4	2969.3	3106.8	3139.2	1974.6
42.5°	3711.0	3707.4	3713.0	3677.1	3515.4	3346.0	3240.3	3249.0	3367.6	3384.5	2087.0
45°	3798.2	3784.4	3832.6	3946.5	3882.4	3704.3	3583.7	3572.9	3638.1	3633.5	2189.1
47.5°	3722.8	3697.1	3808.0	4082.6	4206.8	4152.9	3980.4	3960.9	3905.5	3868.5	2295.4
50°	3347.6	3336.3	3573.4	4017.9	4410.5	4567.6	4440.8	4368.5	4144.2	4042.0	2351.3
52.5°	2990.8	2959.5	3119.7	3687.9	4319.7	4901.2	4927.4	4798.6	4342.3	4091.8	2332.3
55°	2416.0	2377.5	2552.0	3029.8	3959.9	4943.8	5269.2	5202.0	4515.8	4030.2	2293.8
57.5°	1467.4	1429.5	1686.1	2170.1	3166.9	4589.7	5185.1	5253.3	4649.2	3962.5	2268.7
60°	617.0	592.8	693.4	1035.8	2022.3	3772.0	4738.5	4908.9	4674.4	3869.6	2278.9
62.5°	320.8	310.0	315.7	414.7	817.6	2483.7	3944.0	4240.7	4420.8	3828.5	2289.2
65°	240.7	232.5	214.5	227.9	317.7	1073.8	2834.3	3231.6	3871.1	3724.3	2219.9
67.5°	197.6	189.9	177.1	173.0	187.3	372.6	1446.9	1963.3	3033.4	3280.3	1971.5
70°	157.6	155.0	150.9	143.2	140.6	180.7	518.9	800.2	2005.9	2313.3	1428.9
72.5°	131.4	131.9	127.3	120.6	111.4	116.5	206.8	273.6	970.6	1109.2	598.5
75°	109.8	109.8	111.4	102.1	92.9	80.1	115.0	133.5	311.6	256.1	127.8
77.5°	86.2	87.3	93.9	86.2	74.4	50.3	62.6	71.3	92.4	73.9	46.7
80°	68.8	67.8	65.2	77.5	66.7	35.4	29.8	32.8	43.1	35.4	23.1
82.5°	48.2	47.7	45.7	52.4	51.8	26.2	19.5	20.0	26.2	22.6	14.4
85°	11.8	13.9	29.3	24.6	21.6	15.4	11.8	12.8	16.9	14.9	7.7
87.5°	5.1	5.1	13.3	15.9	10.3	6.7	5.1	5.6	8.7	8.7	4.6
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°	1370.9	1370.9	1370.9	1370.9	1370.9	1370.9	1370.9	1370.9	1370.9	1370.9	1370.9
2.5°	1375.6	1342.2	1300.1	1255.5	1209.8	1154.9	1120.0	1091.2	1068.6	1051.2	1045.0
5°	1380.7	1316.5	1221.1	1102.5	981.9	869.0	781.7	717.0	663.7	634.4	621.6
7.5°	1380.2	1295.0	1122.5	923.9	727.8	565.1	449.6	378.3	330.5	311.0	299.2
10°	1379.7	1266.8	1010.1	725.8	486.6	327.5	241.2	201.2	183.8	177.1	176.1
12.5°	1394.6	1234.4	884.4	534.3	305.4	203.8	167.8	158.6	154.5	152.4	151.9
15°	1402.8	1204.6	751.9	377.3	205.8	161.2	149.9	145.8	144.2	143.2	142.7
17.5°	1411.5	1158.5	626.2	273.1	164.8	146.3	139.6	137.0	136.0	136.0	136.0
20°	1413.0	1108.7	501.5	201.2	146.3	136.5	129.9	127.3	125.8	124.7	124.7
22.5°	1401.7	1049.6	394.2	163.2	135.5	127.3	120.1	116.0	113.4	112.9	112.9
25°	1373.5	966.0	302.3	143.2	126.8	118.1	109.3	104.7	102.7	102.7	102.7
27.5°	1333.0	867.4	233.5	127.3	115.5	106.8	99.1	95.0	94.4	93.9	94.4
30°	1286.8	772.5	178.6	112.9	102.1	95.0	88.8	86.7	87.8	87.8	88.3
32.5°	1240.6	677.5	139.6	101.6	90.3	84.2	81.1	81.1	82.6	82.6	82.6
35°	1201.1	584.6	117.0	92.4	82.1	77.0	75.5	77.0	78.0	78.5	78.5
37.5°	1179.0	504.5	103.2	84.2	75.5	71.3	70.8	72.4	74.4	76.0	76.5
40°	1170.8	443.0	95.0	78.0	69.3	66.7	66.2	68.3	71.9	74.4	74.9
42.5°	1171.3	388.5	87.8	71.9	65.2	61.6	61.6	64.7	68.3	70.8	70.8
45°	1174.9	341.8	80.6	65.7	61.6	55.4	55.9	60.1	62.6	65.2	65.2
47.5°	1178.0	304.4	72.9	59.0	53.4	50.3	51.3	54.4	58.0	62.1	62.1
50°	1160.0	277.7	65.2	51.8	46.7	45.7	47.7	50.3	55.4	59.5	60.1
52.5°	1116.9	253.6	58.5	46.2	42.1	42.6	45.2	46.7	50.8	51.3	51.8
55°	1097.9	241.2	53.4	42.1	38.5	40.0	41.6	42.1	41.1	38.5	38.5
57.5°	1093.8	233.0	48.2	38.0	35.4	37.5	37.0	33.9	30.8	27.7	27.2
60°	1097.9	221.7	44.1	32.8	32.3	32.8	31.3	25.7	21.6	19.5	18.5
62.5°	1074.3	205.3	40.5	28.2	28.2	27.7	23.6	17.5	13.9	12.3	11.8
65°	996.3	173.0	37.0	23.6	23.1	22.1	15.9	11.8	9.2	7.7	7.2
67.5°	842.8	134.0	33.4	19.5	18.5	15.4	10.3	7.7	5.1	4.6	4.1
70°	574.9	83.2	28.2	15.4	13.9	9.8	6.2	4.6	3.1	2.6	2.1
72.5°	208.4	48.2	23.6	11.8	9.2	6.2	3.6	2.1	1.5	1.5	1.0
75°	49.3	33.9	18.0	8.7	6.2	3.6	2.1	1.5	1.0	1.0	0.5
77.5°	22.6	26.2	11.8	5.1	4.1	2.6	1.5	1.0	0.5	0.5	0.0
80°	12.8	18.5	5.6	3.6	3.1	2.1	1.0	0.5	0.5	0.0	0.0
82.5°	6.7	10.3	4.1	3.1	2.6	1.5	1.0	0.0	0.0	0.0	0.0
85°	4.6	5.1	3.1	2.6	2.1	1.5	1.0	0.0	0.0	0.0	0.0
87.5°	3.6	3.6	3.1	2.6	2.1	1.5	0.5	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)