

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: P674762

Luminaire Tested: **CCP-SA-1F-835-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674762  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-835-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T3R distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

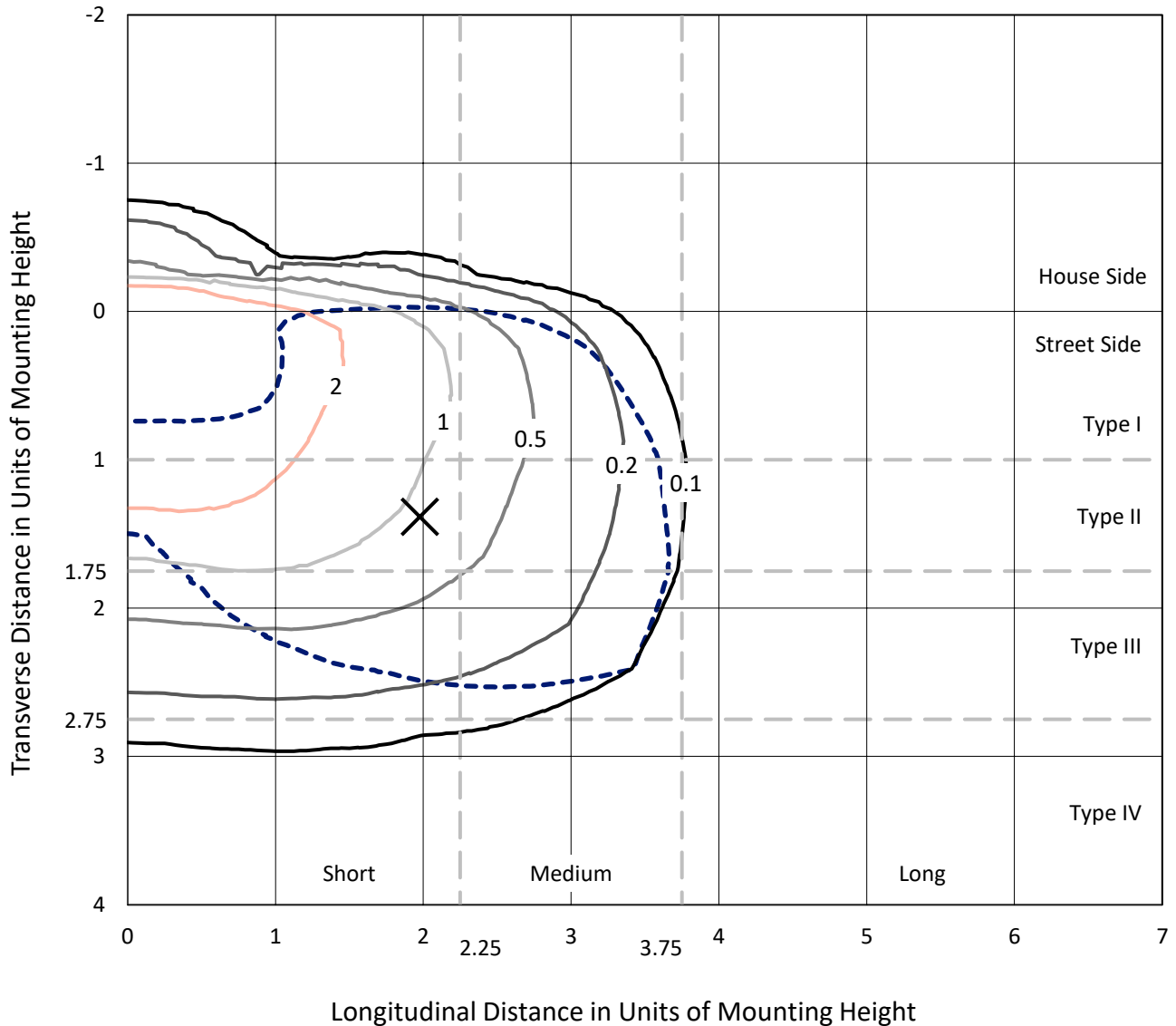
Lumens per Lamp: N/A  
Luminaire Lumens: 4899.8 lumens  
Efficiency: N/A  
Efficacy: 73.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 67  
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

REPORT NUMBER: P674762  
 CATALOG NUMBER: CCP-SA-1F-835-U-T3R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

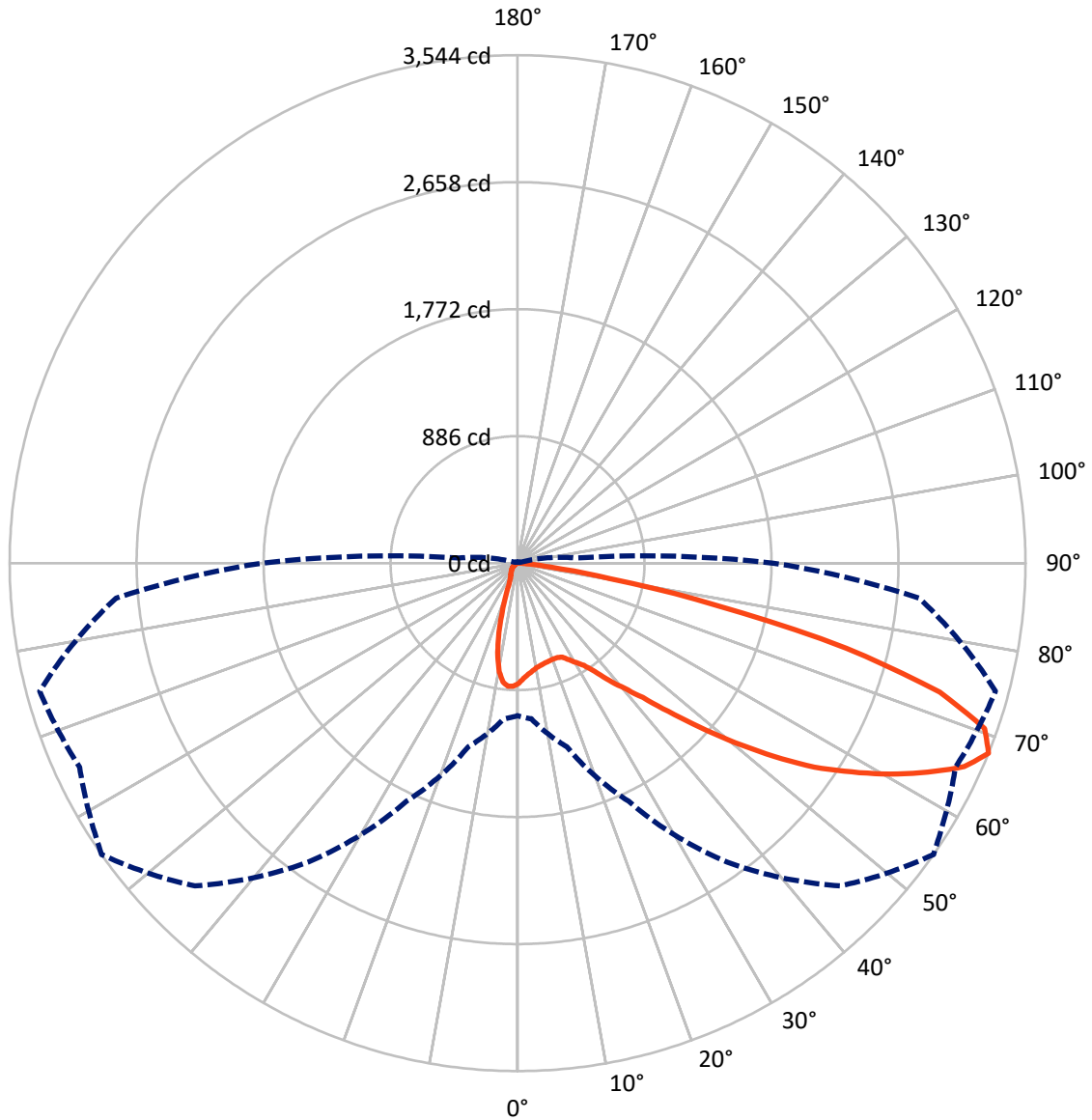
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P674762  
CATALOG NUMBER: CCP-SA-1F-835-U-T3R-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P674762  
 CATALOG NUMBER: CCP-SA-1F-835-U-T3R-HSS

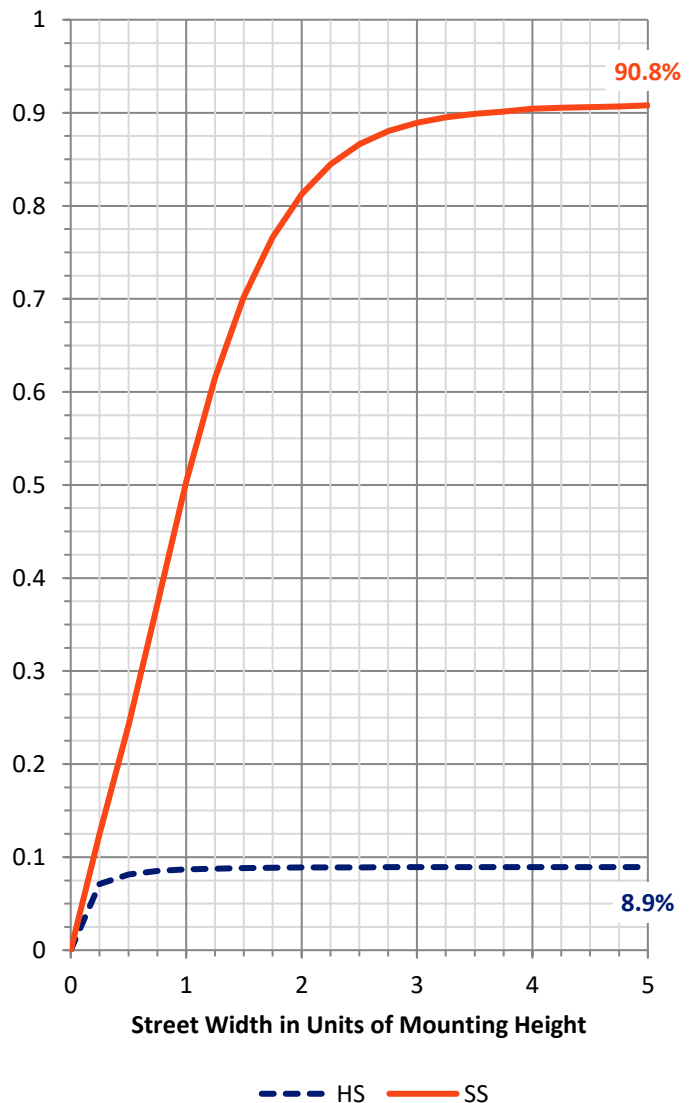
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	440.2	0.0	440.2
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	4459.6	0.0	4459.6
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	4899.8	0.0	4899.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.7	1.5
10°-20°	167.8	3.4
20°-30°	269.2	5.5
30°-40°	466.9	9.5
40°-50°	778.5	15.9
50°-60°	1138.4	23.2
60°-70°	1327.4	27.1
70°-80°	644.2	13.1
80°-90°	33.7	0.7
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°	4899.8	100.0
0°-180°	4899.8	100.0



REPORT NUMBER: P674762

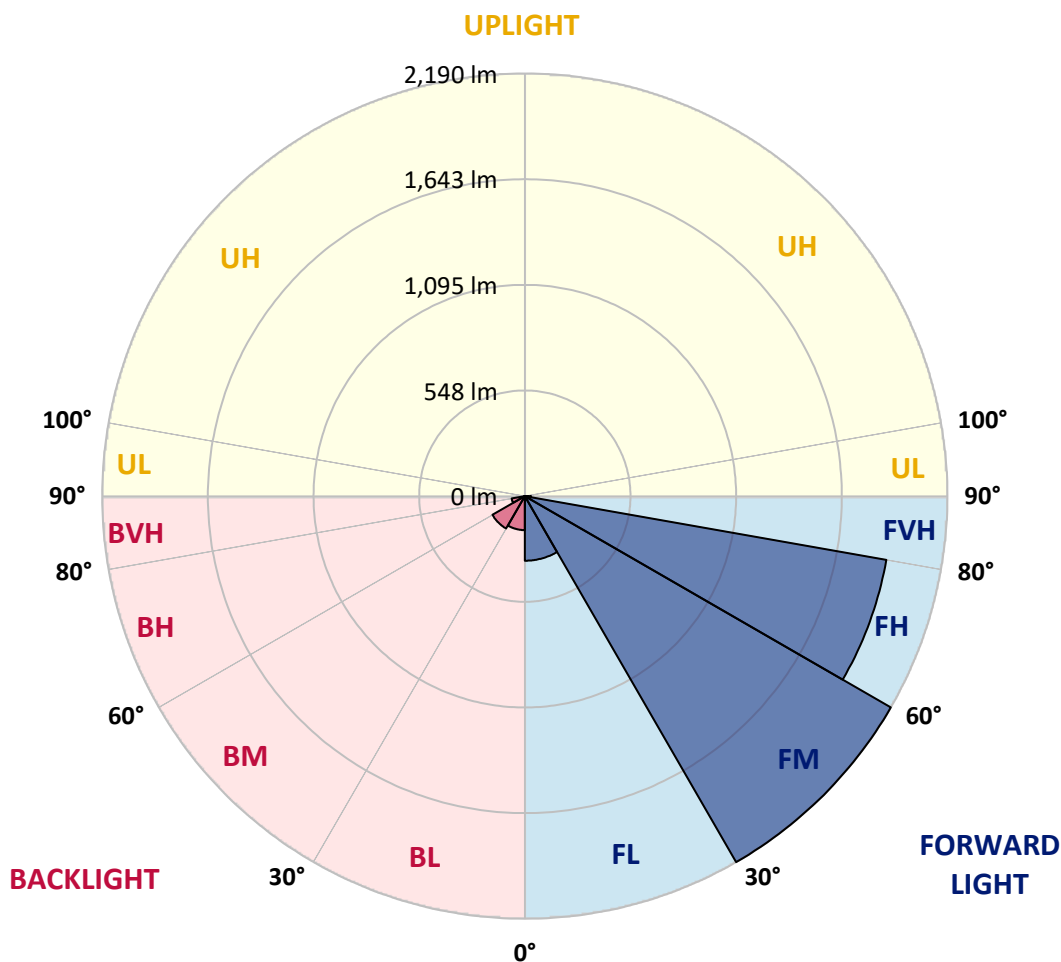
CATALOG NUMBER: CCP-SA-1F-835-U-T3R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.7	6.8			
FM (30°-60°)	2190.0	44.7			
FH (60°-80°)	1902.2	38.8			G2/5000
FVH (80°-90°)	32.7	0.7			G1/100
BL (0°-30°)	176.0	3.6	B1/500		
BM (30°-60°)	193.8	4.0	B0/220		
BH (60°-80°)	69.4	1.4	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-G2**

Type III Short





REPORT NUMBER: P674762

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	839.7	839.7	839.7	839.7	839.7	839.7	839.7	839.7	839.7	839.7	839.7
2.5°	775.1	780.1	786.4	788.7	796.3	807.2	804.0	801.8	814.0	830.7	836.1
5°	726.8	727.3	737.2	744.4	757.5	767.9	779.2	778.3	800.4	828.8	846.9
7.5°	679.4	680.3	690.7	702.0	721.0	741.3	758.4	757.5	793.2	831.1	865.4
10°	617.1	621.6	634.3	654.1	683.9	716.0	739.9	742.2	785.1	839.7	890.7
12.5°	567.0	569.3	583.3	609.0	644.2	686.2	730.9	729.5	786.9	855.5	923.7
15°	545.8	544.4	553.0	572.0	612.2	665.0	721.9	725.0	793.2	873.5	958.0
17.5°	550.8	549.4	553.9	560.7	589.1	647.4	716.9	722.3	803.1	892.5	990.0
20°	605.8	596.4	588.2	581.0	585.1	632.9	713.7	719.6	809.0	906.9	1023.9
22.5°	711.9	700.2	678.5	638.3	611.7	633.8	714.6	722.3	822.1	930.4	1065.0
25°	884.8	873.5	827.0	744.9	674.5	666.3	726.8	734.9	852.3	966.1	1108.7
27.5°	1113.7	1088.4	1032.0	914.2	778.3	718.2	763.4	772.4	895.2	993.6	1138.5
30°	1303.8	1297.9	1243.7	1099.3	921.4	794.5	804.5	809.4	914.6	1010.3	1168.3
32.5°	1501.0	1488.9	1439.2	1298.8	1087.5	903.3	850.5	852.8	939.9	1035.2	1211.7
35°	1672.6	1661.3	1619.8	1483.4	1281.6	1049.6	926.8	921.8	992.3	1089.8	1270.4
37.5°	1831.5	1830.1	1793.6	1654.5	1455.9	1201.3	1039.2	1035.2	1074.0	1149.8	1349.8
40°	1986.8	1983.2	1952.0	1825.2	1627.5	1352.5	1146.2	1135.8	1143.5	1233.8	1454.5
42.5°	2082.1	2089.7	2100.6	2020.2	1831.1	1529.9	1281.6	1275.3	1274.0	1365.2	1592.2
45°	2133.5	2147.1	2210.7	2203.5	2046.8	1750.7	1474.4	1458.2	1452.7	1545.7	1749.8
47.5°	2183.6	2189.5	2293.8	2337.6	2253.6	1980.9	1707.4	1684.8	1662.7	1766.0	1938.0
50°	2186.8	2196.3	2325.4	2431.9	2427.0	2207.6	1968.7	1948.9	1923.6	2034.2	2121.8
52.5°	2142.5	2161.5	2321.3	2491.5	2534.4	2407.5	2240.1	2223.8	2203.0	2285.7	2276.6
55°	1836.9	1869.0	2241.9	2496.9	2609.8	2579.1	2512.7	2490.2	2469.8	2528.5	2428.3
57.5°	1691.6	1709.6	2000.8	2492.9	2705.9	2738.0	2749.3	2738.9	2710.5	2783.6	2586.8
60°	1604.4	1630.6	1885.7	2447.7	2809.8	2917.7	2988.6	2967.8	2933.0	3033.7	2756.5
62.5°	1500.1	1519.1	1771.0	2317.7	2871.6	3100.5	3212.9	3194.0	3122.2	3264.4	2893.7
65°	1307.8	1336.3	1588.6	2113.2	2788.6	3234.6	3424.2	3417.9	3293.3	3438.6	2931.2
67.5°	1064.5	1090.2	1325.4	1832.9	2545.7	3184.5	3543.8	3524.0	3370.9	3451.7	2812.5
70°	799.1	813.0	990.5	1400.4	2085.7	2916.8	3457.1	3453.1	3253.1	3257.6	2448.2
72.5°	428.9	467.7	658.7	937.2	1466.7	2362.4	3081.1	3064.8	2902.3	2668.0	1760.6
75°	149.9	161.2	350.8	526.4	796.8	1573.7	2369.2	2331.3	2170.5	1735.3	959.3
77.5°	92.1	101.1	155.7	269.1	310.1	683.0	1423.4	1374.2	1270.4	750.3	327.7
80°	63.7	71.8	104.3	140.9	105.6	221.2	655.0	636.5	489.8	178.8	75.4
82.5°	35.7	42.9	79.0	69.1	42.4	57.3	227.1	210.4	130.5	48.3	25.3
85°	20.8	24.8	55.5	48.8	21.7	20.3	59.1	52.8	33.9	18.1	12.2
87.5°	10.8	14.0	40.6	32.5	13.1	7.2	13.5	13.1	8.6	6.3	8.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674762  
 CATALOG NUMBER: CCP-SA-1F-835-U-T3R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	839.7	839.7	839.7	839.7	839.7	839.7	839.7	839.7	839.7	839.7	839.7
2.5°	846.0	843.7	855.5	859.5	858.6	856.8	861.4	855.5	855.0	853.7	852.3
5°	861.4	865.0	874.4	874.4	861.8	841.0	828.4	811.2	796.8	788.2	786.9
7.5°	884.4	891.6	897.9	878.5	835.2	783.7	729.1	686.2	648.7	629.3	627.5
10°	916.9	923.7	918.7	863.2	770.2	663.6	574.7	485.3	440.6	416.2	416.2
12.5°	955.7	961.1	930.9	824.8	663.2	508.8	390.0	296.1	251.5	222.6	220.8
15°	997.7	999.0	929.1	758.0	530.9	341.7	223.9	164.3	145.4	141.3	140.4
17.5°	1034.3	1028.8	910.1	659.1	382.4	203.6	142.2	128.7	125.0	125.0	125.0
20°	1068.6	1050.5	872.2	544.0	245.1	138.6	122.3	118.7	118.7	119.2	119.2
22.5°	1106.5	1070.8	818.0	416.2	157.6	118.7	114.7	112.9	112.4	113.8	113.3
25°	1151.2	1090.7	740.4	287.6	121.9	110.6	108.8	107.0	107.0	107.0	107.0
27.5°	1176.0	1088.0	651.9	181.5	106.5	102.5	100.7	98.9	97.5	97.1	97.5
30°	1197.7	1072.2	536.3	126.9	96.2	91.6	90.3	88.0	85.3	84.4	84.4
32.5°	1226.1	1059.1	415.3	102.0	87.1	82.2	78.1	74.5	70.0	68.2	67.7
35°	1257.7	1035.2	304.3	89.8	79.0	72.7	66.4	60.5	54.6	52.8	52.4
37.5°	1297.0	1013.5	206.3	83.1	72.2	64.6	56.0	47.9	42.4	41.5	41.5
40°	1350.3	995.4	142.7	77.2	65.9	56.9	46.5	37.9	34.3	33.4	33.4
42.5°	1422.9	980.5	107.9	72.2	60.5	49.2	37.5	31.1	28.4	27.5	27.5
45°	1508.7	957.5	91.2	67.7	55.1	41.5	31.1	26.2	24.8	24.8	24.8
47.5°	1607.1	928.6	83.1	63.2	49.2	33.9	26.2	23.9	23.5	23.5	23.9
50°	1706.5	894.3	77.2	57.8	42.4	28.9	23.9	22.6	22.6	23.0	23.0
52.5°	1773.7	840.6	71.3	51.9	35.7	25.3	22.6	22.1	21.7	21.7	21.7
55°	1839.2	793.6	63.2	45.6	29.8	23.5	21.7	21.2	21.2	20.8	20.8
57.5°	1907.3	756.6	52.8	37.9	25.3	22.1	20.8	20.8	19.9	19.4	19.4
60°	1986.3	724.1	40.6	29.8	22.1	20.8	19.4	19.0	18.1	17.2	17.2
62.5°	2009.4	655.5	30.7	23.9	19.0	18.1	17.6	16.7	14.4	12.6	13.1
65°	1949.3	547.6	24.4	19.0	15.3	15.3	14.0	11.7	9.5	8.1	8.1
67.5°	1783.7	409.0	19.9	14.9	12.2	11.7	9.9	8.6	5.9	5.0	5.0
70°	1469.9	270.4	16.3	11.7	9.9	8.1	6.8	6.3	4.5	3.6	3.6
72.5°	1030.2	146.7	13.5	9.5	7.2	5.4	4.5	4.1	3.2	2.7	2.3
75°	544.0	56.4	10.8	7.2	4.5	3.6	2.7	2.7	2.3	1.8	1.8
77.5°	186.4	23.9	7.7	4.1	3.2	2.3	1.8	1.4	1.8	1.4	1.4
80°	44.2	14.0	5.0	2.7	1.8	1.4	1.4	0.9	0.9	0.9	0.9
82.5°	19.4	8.1	3.2	1.8	1.8	1.4	0.9	0.5	0.5	0.5	0.5
85°	13.1	5.0	2.3	1.8	1.4	0.9	0.5	0.5	0.0	0.0	0.0
87.5°	10.4	3.2	1.8	1.8	1.4	0.9	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)