

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: P674740

Luminaire Tested: **CCP-SA-1F-827-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674740
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-827-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

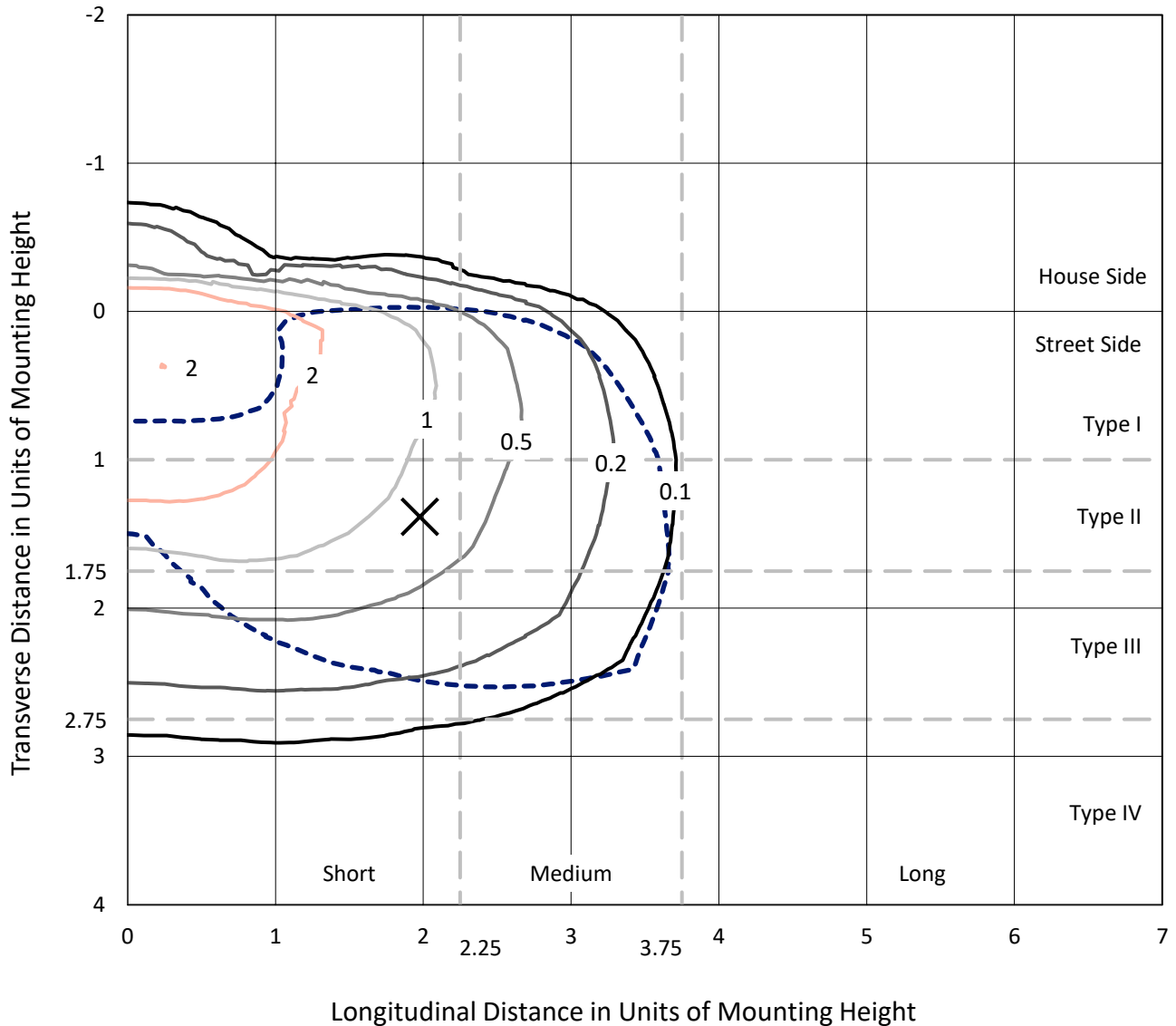
Lumens per Lamp: N/A
Luminaire Lumens: 4371.1 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

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

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Iso-Footcandle Lines of Horizontal Illumination

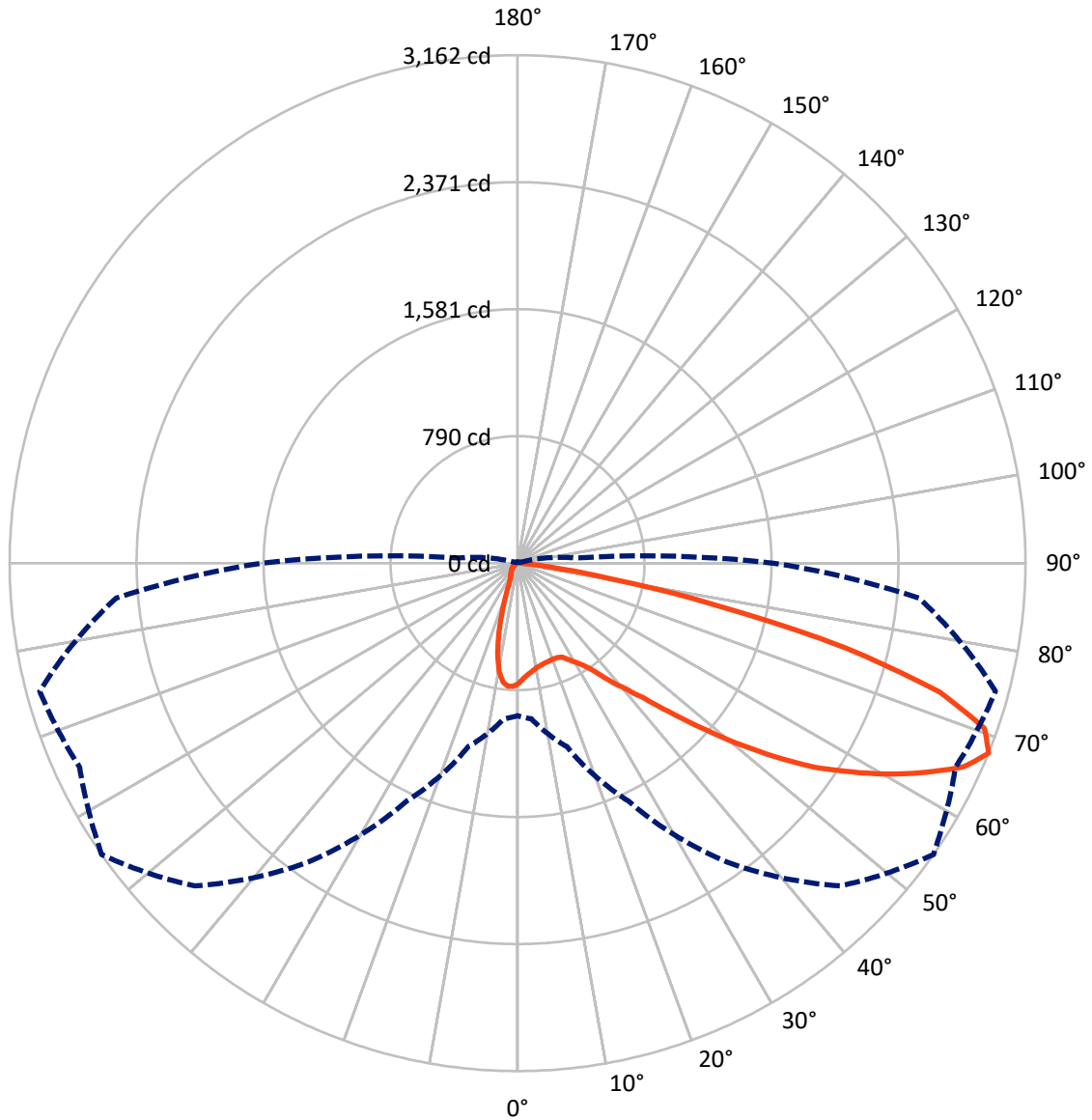
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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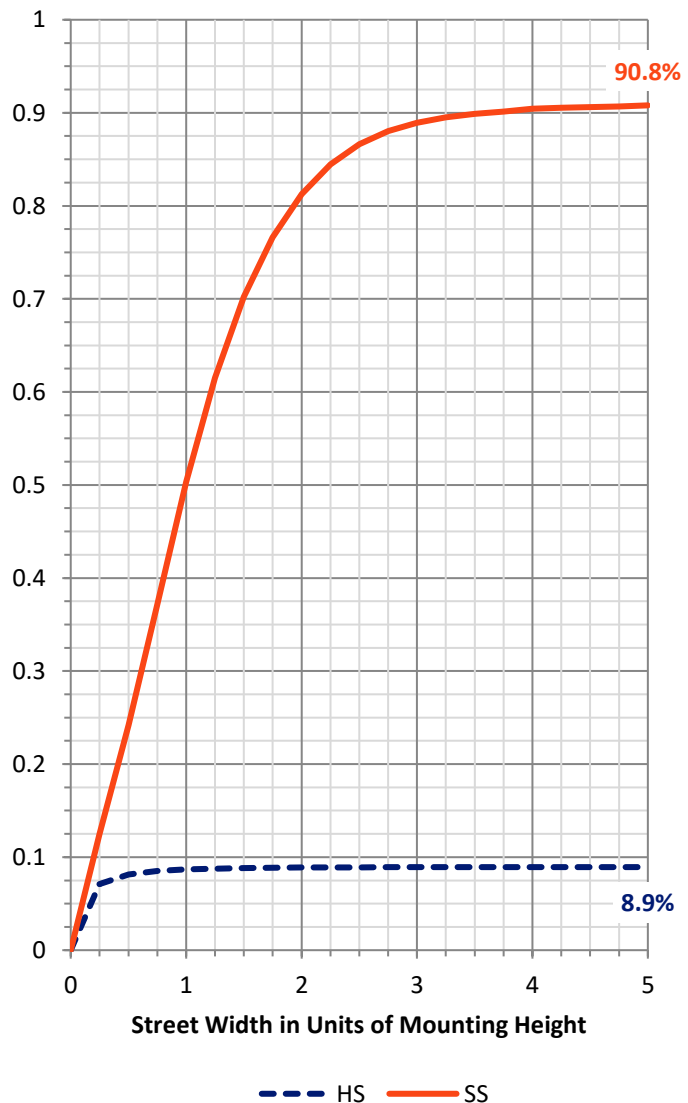
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	392.7	0.0	392.7
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	3978.5	0.0	3978.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	4371.1	0.0	4371.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	1.5
10°-20°	149.7	3.4
20°-30°	240.1	5.5
30°-40°	416.5	9.5
40°-50°	694.5	15.9
50°-60°	1015.6	23.2
60°-70°	1184.2	27.1
70°-80°	574.7	13.1
80°-90°	30.0	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°	4371.1	100.0
0°-180°	4371.1	100.0



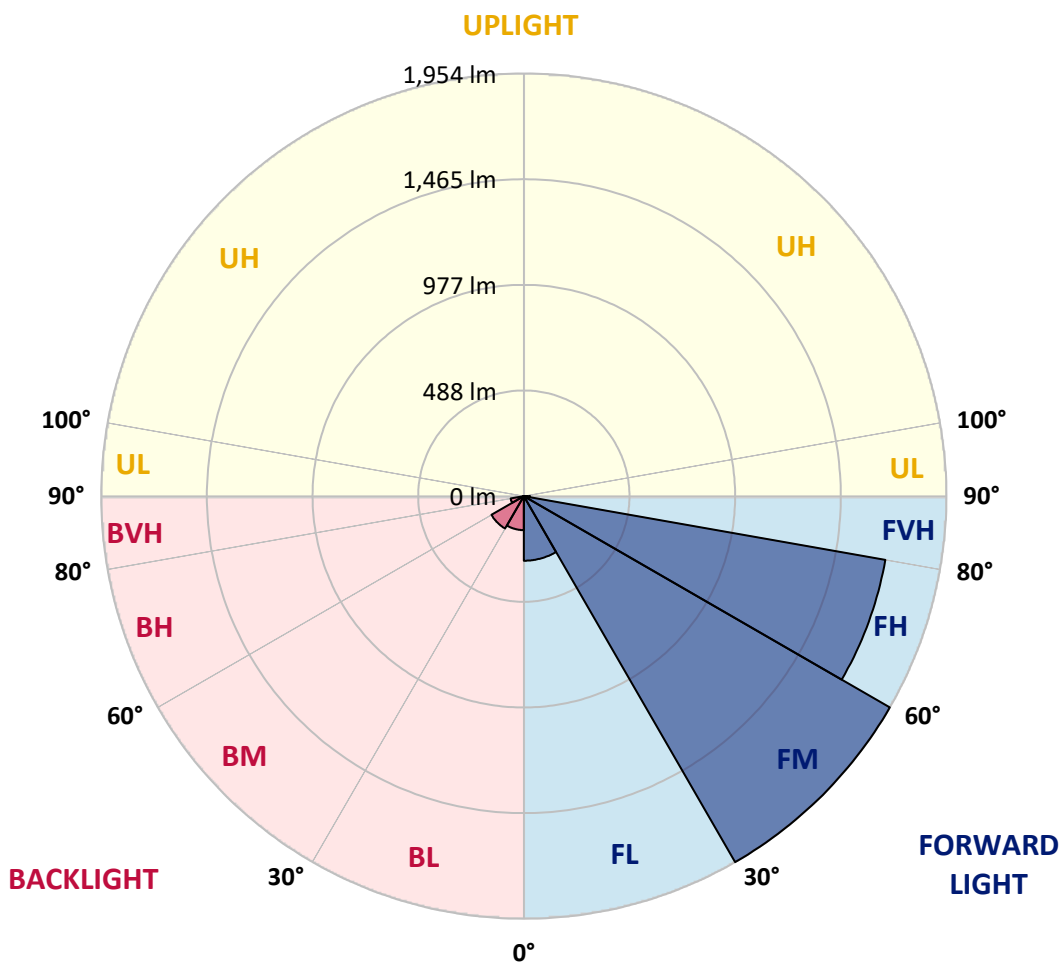
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.6	6.8			
FM (30°-60°)	1953.8	44.7			
FH (60°-80°)	1696.9	38.8			G1/1800
FVH (80°-90°)	29.2	0.7			G1/100
BL (0°-30°)	157.0	3.6	B1/500		
BM (30°-60°)	172.9	4.0	B0/220		
BH (60°-80°)	61.9	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	749.1	749.1	749.1	749.1	749.1	749.1	749.1	749.1	749.1	749.1	749.1
2.5°	691.5	695.9	701.6	703.6	710.4	720.1	717.3	715.3	726.1	741.0	745.9
5°	648.4	648.8	657.7	664.1	675.8	685.1	695.1	694.3	714.1	739.4	755.5
7.5°	606.1	606.9	616.2	626.3	643.2	661.3	676.6	675.8	707.6	741.4	772.0
10°	550.5	554.6	565.8	583.6	610.1	638.7	660.1	662.1	700.4	749.1	794.6
12.5°	505.8	507.9	520.3	543.3	574.7	612.2	652.0	650.8	702.0	763.2	824.0
15°	486.9	485.7	493.4	510.3	546.1	593.2	644.0	646.8	707.6	779.3	854.6
17.5°	491.3	490.1	494.2	500.2	525.6	577.5	639.5	644.4	716.5	796.2	883.2
20°	540.5	532.0	524.8	518.3	521.9	564.6	636.7	642.0	721.7	809.1	913.4
22.5°	635.1	624.6	605.3	569.5	545.7	565.4	637.5	644.4	733.4	830.0	950.1
25°	789.4	779.3	737.8	664.5	601.7	594.4	648.4	655.7	760.4	861.9	989.1
27.5°	993.6	971.0	920.7	815.5	694.3	640.8	681.0	689.1	798.6	886.4	1015.7
30°	1163.1	1157.9	1109.5	980.7	822.0	708.8	717.7	722.1	815.9	901.3	1042.3
32.5°	1339.1	1328.2	1283.9	1158.7	970.2	805.9	758.8	760.8	838.5	923.5	1080.9
35°	1492.1	1482.1	1445.0	1323.4	1143.4	936.4	826.8	822.4	885.2	972.2	1133.3
37.5°	1633.9	1632.7	1600.1	1476.0	1298.8	1071.7	927.1	923.5	958.1	1025.8	1204.2
40°	1772.4	1769.2	1741.4	1628.3	1451.9	1206.6	1022.6	1013.3	1020.1	1100.7	1297.6
42.5°	1857.4	1864.3	1873.9	1802.2	1633.5	1364.9	1143.4	1137.7	1136.5	1217.9	1420.5
45°	1903.3	1915.4	1972.2	1965.8	1826.0	1561.8	1315.3	1300.8	1296.0	1379.0	1561.0
47.5°	1948.0	1953.3	2046.3	2085.4	2010.5	1767.2	1523.2	1503.0	1483.3	1575.5	1729.0
50°	1950.9	1959.3	2074.5	2169.5	2165.1	1969.4	1756.3	1738.6	1716.1	1814.7	1892.9
52.5°	1911.4	1928.3	2070.9	2222.7	2261.0	2147.8	1998.4	1983.9	1965.4	2039.1	2031.0
55°	1638.7	1667.3	2000.0	2227.5	2328.2	2300.8	2241.6	2221.5	2203.4	2255.7	2166.3
57.5°	1509.1	1525.2	1784.9	2223.9	2414.0	2442.6	2452.7	2443.4	2418.0	2483.3	2307.7
60°	1431.3	1454.7	1682.2	2183.6	2506.6	2602.9	2666.1	2647.6	2616.6	2706.4	2459.1
62.5°	1338.3	1355.2	1579.9	2067.7	2561.8	2766.0	2866.3	2849.4	2785.3	2912.2	2581.5
65°	1166.7	1192.1	1417.2	1885.2	2487.7	2885.6	3054.8	3049.1	2938.0	3067.7	2615.0
67.5°	949.7	972.6	1182.4	1635.1	2271.0	2840.9	3161.5	3143.8	3007.2	3079.3	2509.1
70°	712.8	725.3	883.6	1249.3	1860.6	2602.1	3084.2	3080.5	2902.1	2906.2	2184.0
72.5°	382.6	417.2	587.6	836.1	1308.5	2107.5	2748.7	2734.2	2589.2	2380.2	1570.7
75°	133.7	143.8	312.9	469.6	710.8	1403.9	2113.6	2079.7	1936.4	1548.1	855.8
77.5°	82.2	90.2	138.9	240.0	276.7	609.3	1269.8	1225.9	1133.3	669.3	292.4
80°	56.8	64.0	93.0	125.7	94.2	197.3	584.4	567.9	437.0	159.5	67.3
82.5°	31.8	38.3	70.5	61.6	37.9	51.1	202.6	187.7	116.4	43.1	22.6
85°	18.5	22.2	49.5	43.5	19.3	18.1	52.8	47.1	30.2	16.1	10.9
87.5°	9.7	12.5	36.2	29.0	11.7	6.4	12.1	11.7	7.7	5.6	7.2
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°	749.1	749.1	749.1	749.1	749.1	749.1	749.1	749.1	749.1	749.1	749.1
2.5°	754.7	752.7	763.2	766.8	766.0	764.4	768.4	763.2	762.8	761.6	760.4
5°	768.4	771.6	780.1	780.1	768.8	750.3	739.0	723.7	710.8	703.2	702.0
7.5°	789.0	795.4	801.0	783.7	745.1	699.2	650.4	612.2	578.7	561.4	559.8
10°	818.0	824.0	819.6	770.0	687.1	592.0	512.7	432.9	393.1	371.3	371.3
12.5°	852.6	857.4	830.4	735.8	591.6	453.9	348.0	264.2	224.3	198.5	196.9
15°	890.0	891.3	828.8	676.2	473.6	304.9	199.8	146.6	129.7	126.1	125.3
17.5°	922.7	917.8	811.9	588.0	341.1	181.6	126.9	114.8	111.6	111.6	111.6
20°	953.3	937.2	778.1	485.3	218.7	123.6	109.1	105.9	105.9	106.3	106.3
22.5°	987.1	955.3	729.8	371.3	140.6	105.9	102.3	100.7	100.3	101.5	101.1
25°	1027.0	973.0	660.5	256.5	108.7	98.7	97.1	95.4	95.4	95.4	95.4
27.5°	1049.1	970.6	581.6	161.9	95.0	91.4	89.8	88.2	87.0	86.6	87.0
30°	1068.5	956.5	478.5	113.2	85.8	81.8	80.5	78.5	76.1	75.3	75.3
32.5°	1093.8	944.8	370.5	91.0	77.7	73.3	69.7	66.5	62.4	60.8	60.4
35°	1122.0	923.5	271.4	80.1	70.5	64.8	59.2	54.0	48.7	47.1	46.7
37.5°	1157.1	904.1	184.1	74.1	64.4	57.6	49.9	42.7	37.9	37.1	37.1
40°	1204.6	888.0	127.3	68.9	58.8	50.7	41.5	33.8	30.6	29.8	29.8
42.5°	1269.4	874.7	96.3	64.4	54.0	43.9	33.4	27.8	25.4	24.6	24.6
45°	1345.9	854.2	81.4	60.4	49.1	37.1	27.8	23.4	22.2	22.2	22.2
47.5°	1433.7	828.4	74.1	56.4	43.9	30.2	23.4	21.3	20.9	20.9	21.3
50°	1522.3	797.8	68.9	51.6	37.9	25.8	21.3	20.1	20.1	20.5	20.5
52.5°	1582.4	749.9	63.6	46.3	31.8	22.6	20.1	19.7	19.3	19.3	19.3
55°	1640.8	708.0	56.4	40.7	26.6	20.9	19.3	18.9	18.9	18.5	18.5
57.5°	1701.6	675.0	47.1	33.8	22.6	19.7	18.5	18.5	17.7	17.3	17.3
60°	1772.0	646.0	36.2	26.6	19.7	18.5	17.3	16.9	16.1	15.3	15.3
62.5°	1792.6	584.8	27.4	21.3	16.9	16.1	15.7	14.9	12.9	11.3	11.7
65°	1739.0	488.5	21.7	16.9	13.7	13.7	12.5	10.5	8.5	7.2	7.2
67.5°	1591.2	364.9	17.7	13.3	10.9	10.5	8.9	7.7	5.2	4.4	4.4
70°	1311.3	241.2	14.5	10.5	8.9	7.2	6.0	5.6	4.0	3.2	3.2
72.5°	919.0	130.9	12.1	8.5	6.4	4.8	4.0	3.6	2.8	2.4	2.0
75°	485.3	50.3	9.7	6.4	4.0	3.2	2.4	2.4	2.0	1.6	1.6
77.5°	166.3	21.3	6.8	3.6	2.8	2.0	1.6	1.2	1.6	1.2	1.2
80°	39.5	12.5	4.4	2.4	1.6	1.2	1.2	0.8	0.8	0.8	0.8
82.5°	17.3	7.2	2.8	1.6	1.6	1.2	0.8	0.4	0.4	0.4	0.4
85°	11.7	4.4	2.0	1.6	1.2	0.8	0.4	0.4	0.0	0.0	0.0
87.5°	9.3	2.8	1.6	1.6	1.2	0.8	0.4	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)