

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: P672028

Luminaire Tested: **CCP-SA-2B-835-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672028
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-835-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ AFL distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

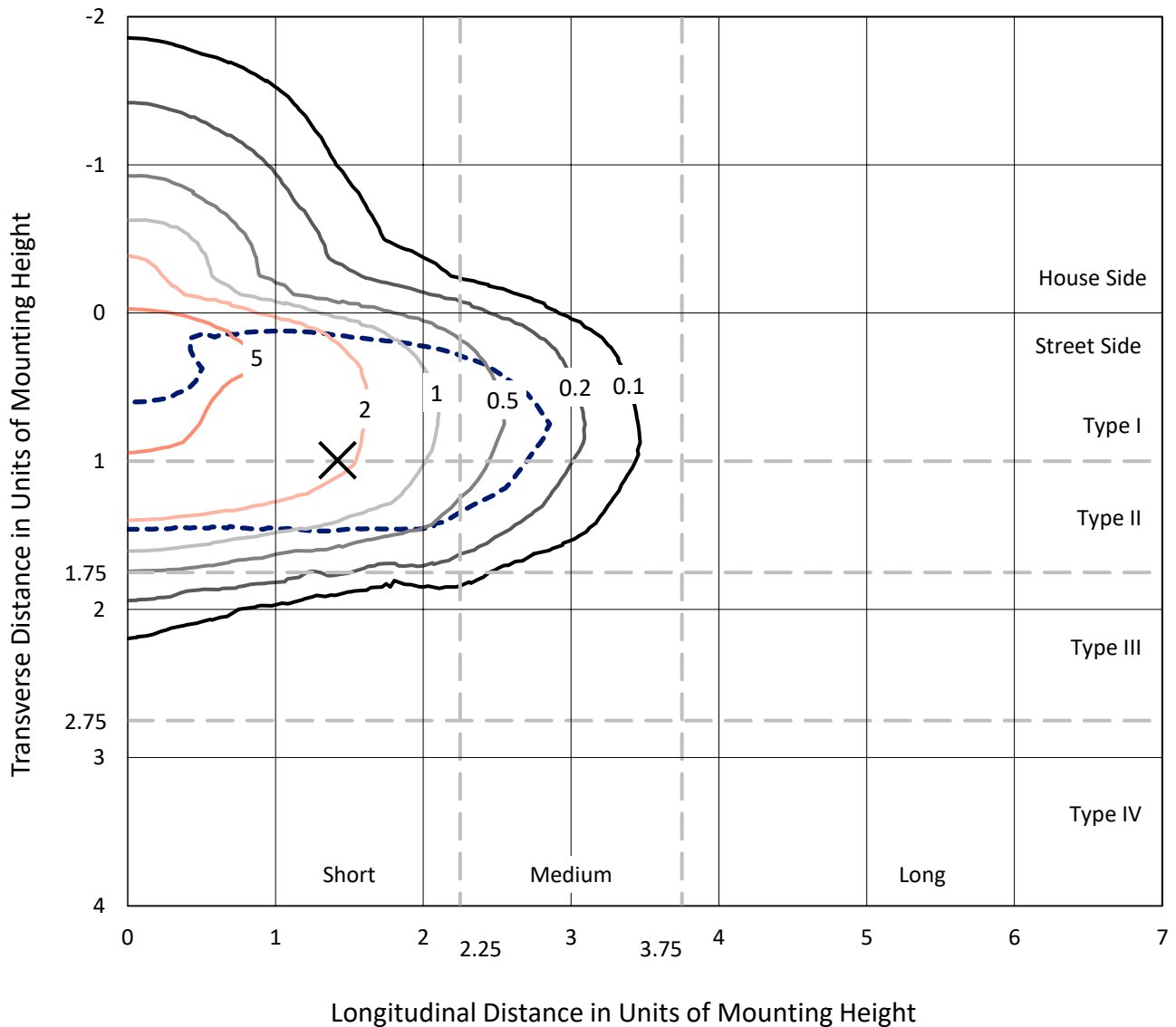
Lumens per Lamp: N/A
Luminaire Lumens: 5742.8 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

REPORT NUMBER: P672028
 CATALOG NUMBER: CCP-SA-2B-835-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

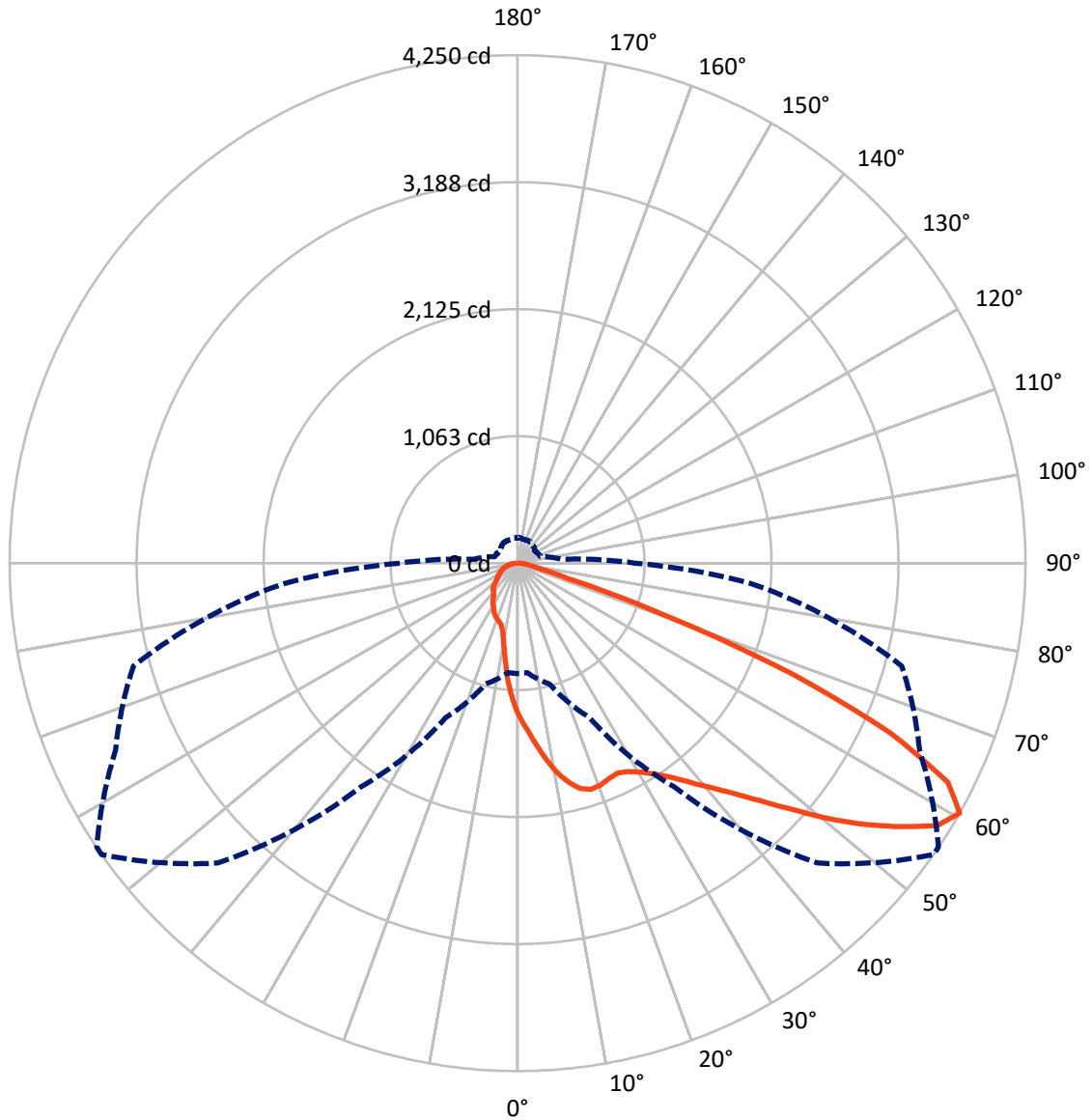
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8 fc
 Type II - Short - N/A

REPORT NUMBER: P672028
CATALOG NUMBER: CCP-SA-2B-835-U-AFL

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P672028

CATALOG NUMBER: CCP-SA-2B-835-U-AFL

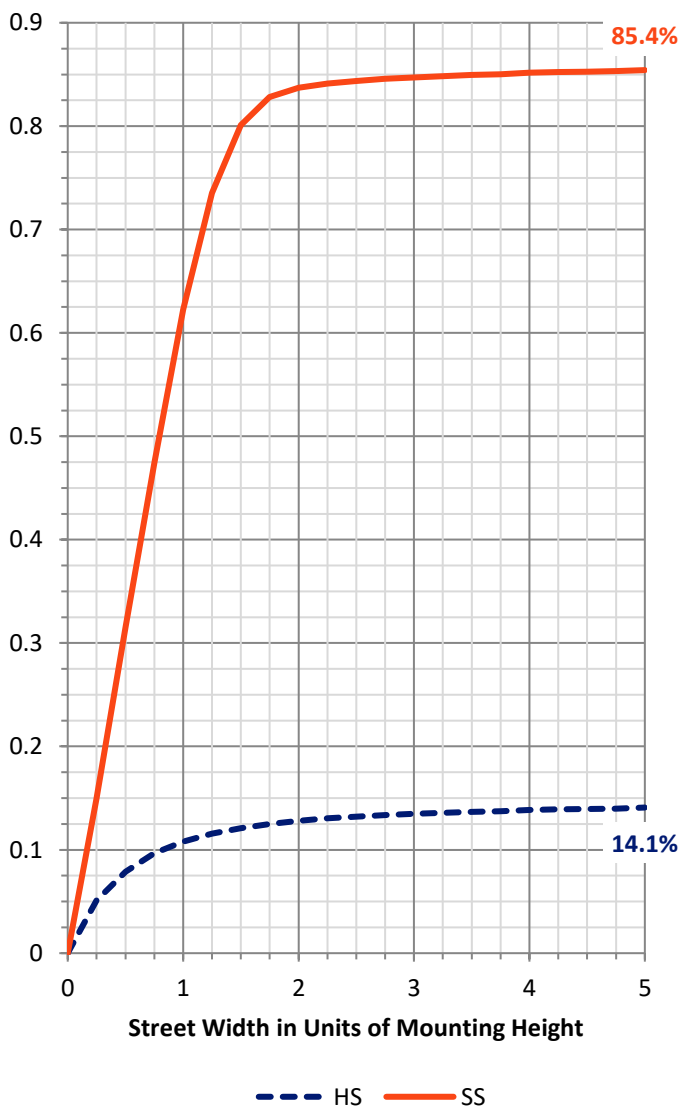
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	825.5	0.0	825.5
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4917.2	0.0	4917.2
	% Fixture	85.6	0.0	85.6
Total	Lumens	5742.8	0.0	5742.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.2	2.1
10°-20°	337.7	5.9
20°-30°	549.8	9.6
30°-40°	821.8	14.3
40°-50°	1207.8	21.0
50°-60°	1415.6	24.6
60°-70°	933.4	16.3
70°-80°	297.2	5.2
80°-90°	60.4	1.1
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°	5742.8	100.0
0°-180°	5742.8	100.0



REPORT NUMBER: P672028

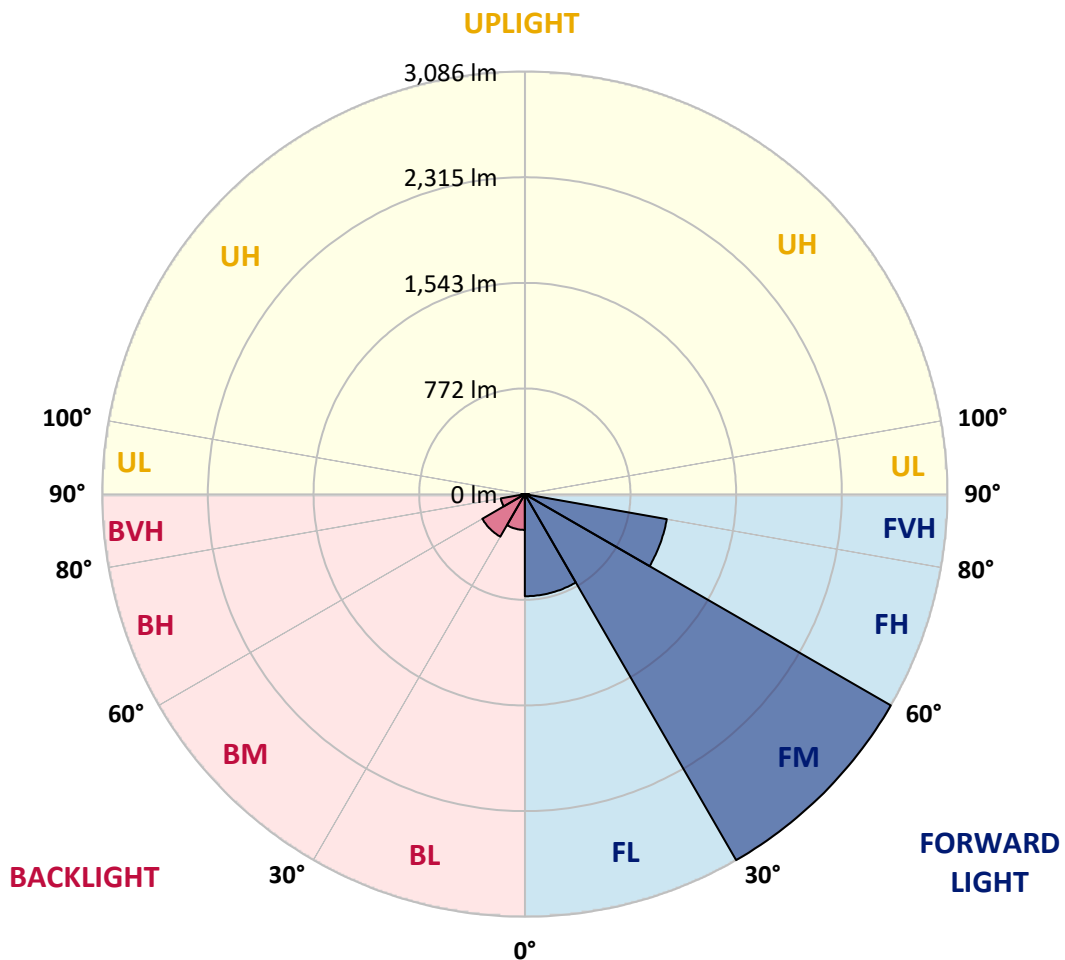
CATALOG NUMBER: CCP-SA-2B-835-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	745.4	13.0			
FM (30°-60°)	3086.3	53.7			
FH (60°-80°)	1052.4	18.3			G1/1800
FVH (80°-90°)	33.1	0.6			G1/100
BL (0°-30°)	261.3	4.6	B1/500		
BM (30°-60°)	358.8	6.2	B1/1000		
BH (60°-80°)	178.1	3.1	B1/500		G1/500
BVH (80°-90°)	27.3	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 II Short





REPORT NUMBER: P672028
 CATALOG NUMBER: CCP-SA-2B-835-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6
2.5°	1482.1	1476.7	1476.7	1463.0	1442.6	1414.3	1380.6	1372.3	1359.4	1326.5	1284.0
5°	1708.2	1702.3	1694.4	1670.3	1632.4	1575.8	1504.6	1491.7	1445.5	1377.7	1301.1
7.5°	1857.6	1854.2	1851.7	1830.9	1793.5	1737.7	1642.4	1627.8	1549.6	1437.2	1317.3
10°	1842.2	1852.2	1869.6	1884.2	1891.7	1863.0	1773.5	1756.4	1659.5	1506.3	1341.5
12.5°	1697.7	1711.9	1744.4	1803.9	1872.6	1927.9	1877.1	1867.6	1776.8	1579.5	1371.8
15°	1590.4	1596.2	1612.0	1656.1	1758.5	1906.3	1957.5	1948.7	1886.3	1673.6	1406.8
17.5°	1557.1	1559.6	1563.3	1577.9	1647.8	1821.8	1990.3	1998.7	1992.4	1771.4	1446.4
20°	1573.7	1575.4	1575.8	1578.3	1611.6	1751.0	1981.6	1995.8	2085.7	1869.2	1485.5
22.5°	1637.8	1635.7	1632.8	1623.2	1642.0	1738.5	1958.3	1980.8	2157.7	1958.3	1521.7
25°	1749.8	1746.9	1726.5	1706.5	1714.4	1783.5	1945.8	1970.0	2213.9	2042.4	1548.3
27.5°	1883.0	1880.0	1859.2	1821.4	1813.0	1858.4	1974.9	1989.9	2255.1	2116.9	1560.0
30°	2021.1	2021.1	1995.3	1951.6	1925.0	1944.1	2028.6	2040.7	2286.3	2188.9	1567.5
32.5°	2171.8	2176.0	2136.0	2086.1	2056.5	2045.3	2104.0	2114.4	2331.6	2273.8	1583.3
35°	2365.4	2356.2	2307.5	2241.7	2194.3	2168.9	2197.2	2209.3	2398.2	2379.5	1608.7
37.5°	2583.0	2566.8	2506.9	2428.2	2345.4	2302.9	2321.7	2324.6	2496.9	2517.3	1654.9
40°	2762.8	2759.9	2709.2	2634.6	2530.2	2473.2	2464.0	2465.7	2633.8	2680.4	1724.8
42.5°	2914.3	2903.5	2894.4	2868.1	2757.4	2663.8	2626.3	2626.7	2782.4	2849.0	1795.1
45°	2981.4	2979.3	3006.3	3073.8	2994.3	2884.0	2830.7	2838.2	2952.6	3022.1	1863.0
47.5°	2952.6	2954.3	3026.7	3203.6	3250.6	3166.2	3071.7	3067.1	3117.5	3154.9	1922.9
50°	2696.2	2723.3	2919.3	3215.7	3418.8	3460.8	3354.3	3337.2	3261.9	3260.6	1959.5
52.5°	2502.7	2501.5	2621.7	3092.9	3478.3	3726.8	3631.1	3592.8	3381.3	3320.2	1962.5
55°	2241.3	2239.7	2329.1	2733.7	3360.1	3912.4	3892.0	3844.2	3490.8	3339.7	1942.5
57.5°	1697.3	1729.0	1818.0	2188.5	2985.5	3882.9	4141.4	4101.4	3597.8	3331.0	1938.7
60°	923.6	919.8	1048.9	1426.4	2285.9	3547.4	4250.0	4247.9	3711.4	3327.6	1961.6
62.5°	425.8	421.6	447.4	635.1	1310.7	2841.9	4040.2	4070.2	3816.7	3297.3	1959.5
65°	318.4	307.6	272.6	295.5	501.5	1696.5	3431.7	3511.6	3654.4	3172.4	1868.8
67.5°	283.9	273.5	232.7	218.1	251.8	598.5	2489.4	2563.1	3055.9	2938.5	1721.9
70°	260.1	251.0	210.2	187.3	189.0	265.1	1303.2	1448.0	2239.7	2452.3	1467.6
72.5°	237.2	229.3	192.3	164.8	159.0	175.2	444.1	535.7	1393.1	1787.2	1094.2
75°	213.1	205.6	173.1	147.8	136.5	129.9	211.4	227.7	736.7	986.8	587.3
77.5°	185.2	181.1	154.4	130.3	120.7	98.2	140.7	147.8	315.5	387.5	279.7
80°	161.1	157.7	137.8	118.2	108.2	75.8	97.0	102.0	155.7	193.5	156.5
82.5°	104.9	113.2	114.0	101.6	95.3	60.8	64.1	67.8	103.2	114.0	68.3
85°	43.3	52.4	78.7	69.9	66.2	51.6	42.5	43.3	63.3	66.6	24.6
87.5°	19.6	21.6	38.7	39.1	34.1	19.6	21.2	23.3	32.5	32.0	10.8
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: P672028
 CATALOG NUMBER: CCP-SA-2B-835-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6
2.5°	1272.4	1253.2	1219.1	1175.4	1144.2	1121.3	1096.3	1078.0	1057.6	1039.7	1042.6
5°	1269.5	1232.4	1155.8	1074.7	995.6	930.7	876.6	836.6	795.4	779.2	777.1
7.5°	1272.0	1209.1	1083.4	950.6	830.4	747.5	684.7	646.8	623.1	609.3	610.2
10°	1271.1	1187.0	1005.2	822.0	690.5	614.8	576.5	564.0	561.9	563.6	566.1
12.5°	1272.4	1157.1	917.3	706.3	590.2	551.5	553.2	564.4	571.5	576.0	579.0
15°	1277.8	1132.5	827.4	615.2	537.8	539.0	556.9	574.4	584.8	589.8	592.3
17.5°	1285.7	1101.7	747.5	546.1	515.7	534.8	558.1	576.9	584.8	587.7	589.8
20°	1286.5	1066.3	666.8	498.6	501.1	526.1	546.5	561.5	571.5	574.8	576.5
22.5°	1282.8	1018.5	584.0	464.1	484.5	509.4	526.9	544.0	530.7	519.9	516.9
25°	1267.0	958.1	513.2	435.8	463.7	487.0	507.0	488.2	482.0	473.7	474.5
27.5°	1232.8	882.8	446.6	409.1	439.1	472.4	457.8	455.3	447.4	439.1	439.1
30°	1187.9	803.3	390.8	381.3	409.6	426.2	429.5	425.8	421.2	410.4	411.2
32.5°	1147.5	719.2	351.3	357.9	390.8	390.8	405.4	405.4	388.7	358.4	358.4
35°	1107.6	640.1	322.2	338.4	360.0	367.1	387.1	360.9	337.1	323.4	322.6
37.5°	1076.3	572.7	303.0	321.7	330.1	348.0	348.4	329.2	321.3	308.8	307.6
40°	1058.0	516.1	291.4	313.4	314.2	330.9	303.4	308.8	307.2	297.6	296.3
42.5°	1048.0	472.4	282.6	306.3	302.2	285.9	280.9	290.1	293.0	288.0	285.9
45°	1040.1	438.3	275.5	281.8	292.6	263.0	261.0	268.0	274.3	273.9	272.2
47.5°	1036.0	414.6	269.3	266.4	268.5	249.3	245.2	248.5	256.4	261.4	261.0
50°	1019.7	396.2	260.1	250.6	237.2	237.2	235.2	235.2	244.7	254.7	255.6
52.5°	991.0	374.6	246.8	235.6	220.2	226.8	227.7	226.0	236.0	246.8	247.6
55°	959.4	358.4	228.9	221.8	206.0	217.3	221.0	219.3	226.0	233.5	233.1
57.5°	959.8	357.9	213.5	208.1	192.7	205.2	214.4	214.8	214.4	219.8	219.8
60°	983.9	366.3	201.4	189.8	177.3	192.3	207.3	207.3	204.4	212.3	213.1
62.5°	991.0	365.4	194.0	172.3	163.6	180.6	196.9	199.4	197.3	208.5	209.8
65°	928.6	345.9	186.5	156.5	151.1	167.7	184.0	191.0	189.0	203.5	205.2
67.5°	842.0	320.5	174.8	142.3	138.2	155.2	170.6	178.1	177.7	196.9	197.7
70°	725.9	289.3	160.2	127.8	125.7	140.7	154.4	162.3	166.1	188.1	187.7
72.5°	562.3	248.1	138.2	112.4	112.0	125.7	137.8	146.5	153.6	174.8	174.8
75°	362.5	195.2	112.8	97.4	95.7	108.6	121.1	131.1	152.8	186.5	186.0
77.5°	221.4	149.0	90.7	81.2	80.7	92.4	104.9	122.0	166.9	166.1	161.5
80°	132.8	107.0	72.4	64.9	64.9	75.8	89.5	130.7	138.6	158.2	149.4
82.5°	69.1	65.8	54.1	47.9	49.9	59.5	81.6	104.5	113.2	96.1	88.2
85°	28.3	35.0	33.3	30.4	31.6	41.2	78.7	83.7	67.0	70.3	70.8
87.5°	9.6	15.4	15.4	12.1	13.3	29.1	46.6	27.9	33.7	20.0	15.0
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)