

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: P676479

Luminaire Tested: **CCW-SA-2A-835-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676479
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-835-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

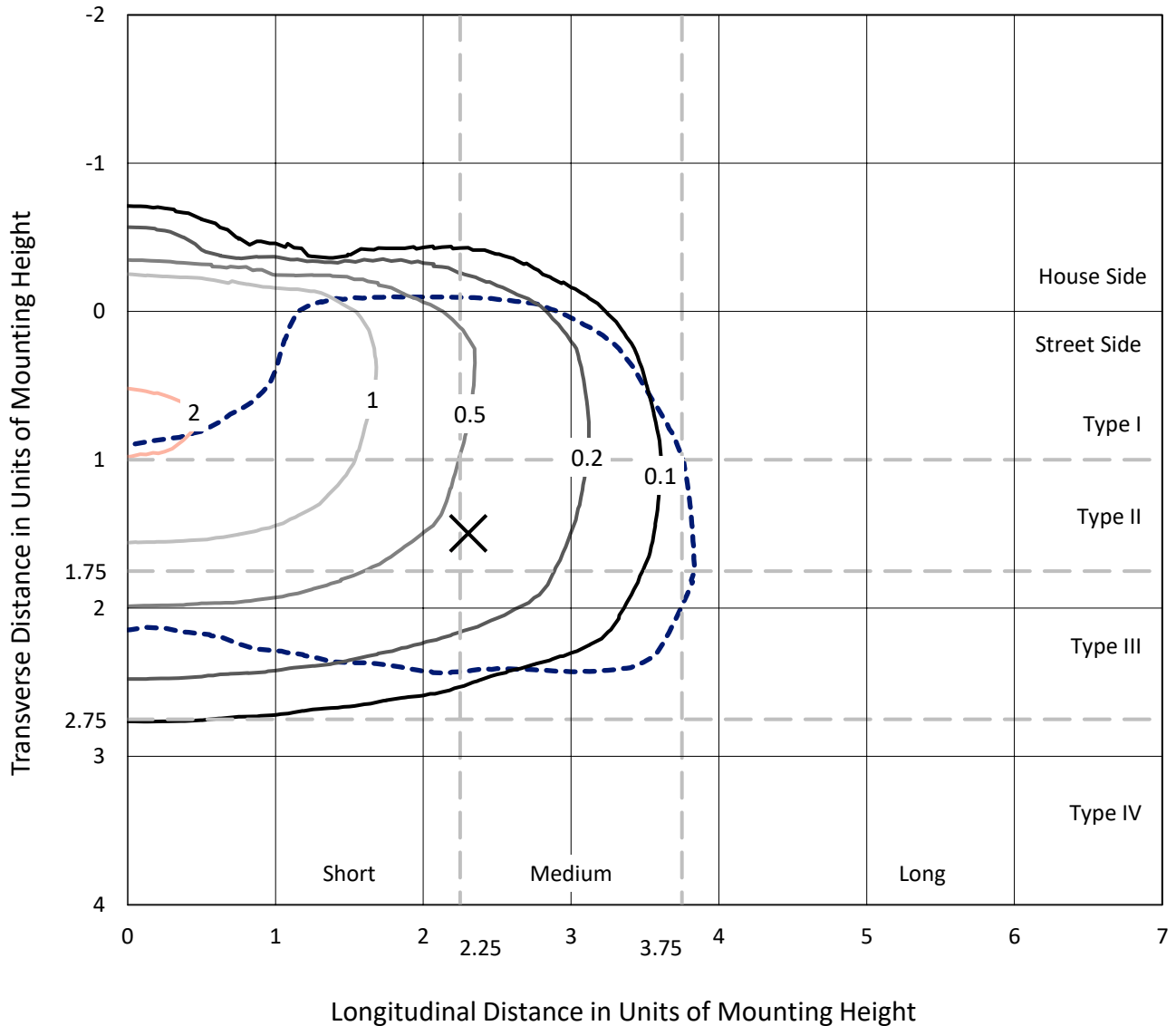
Lumens per Lamp: N/A
Luminaire Lumens: 3248.1 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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

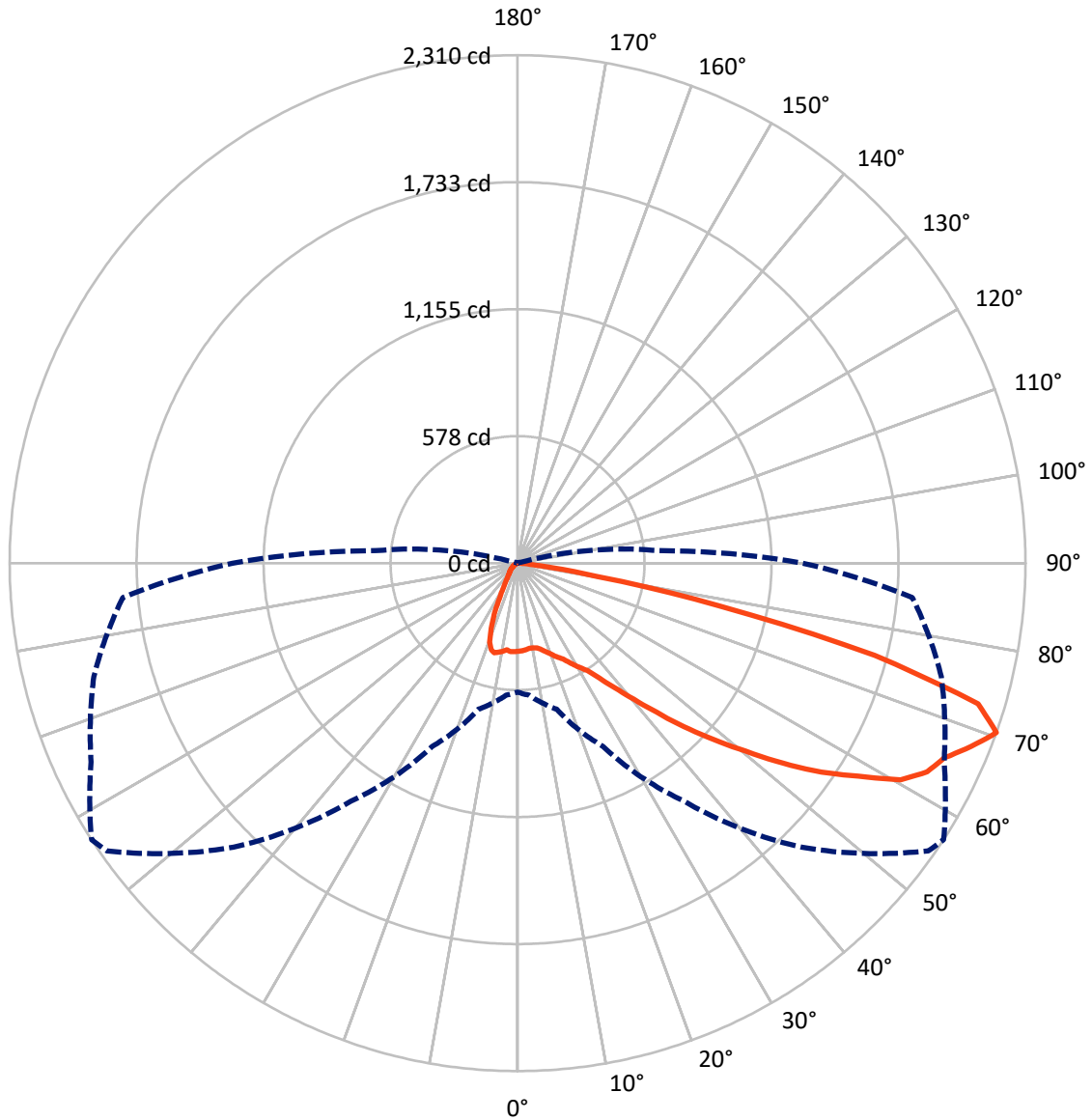
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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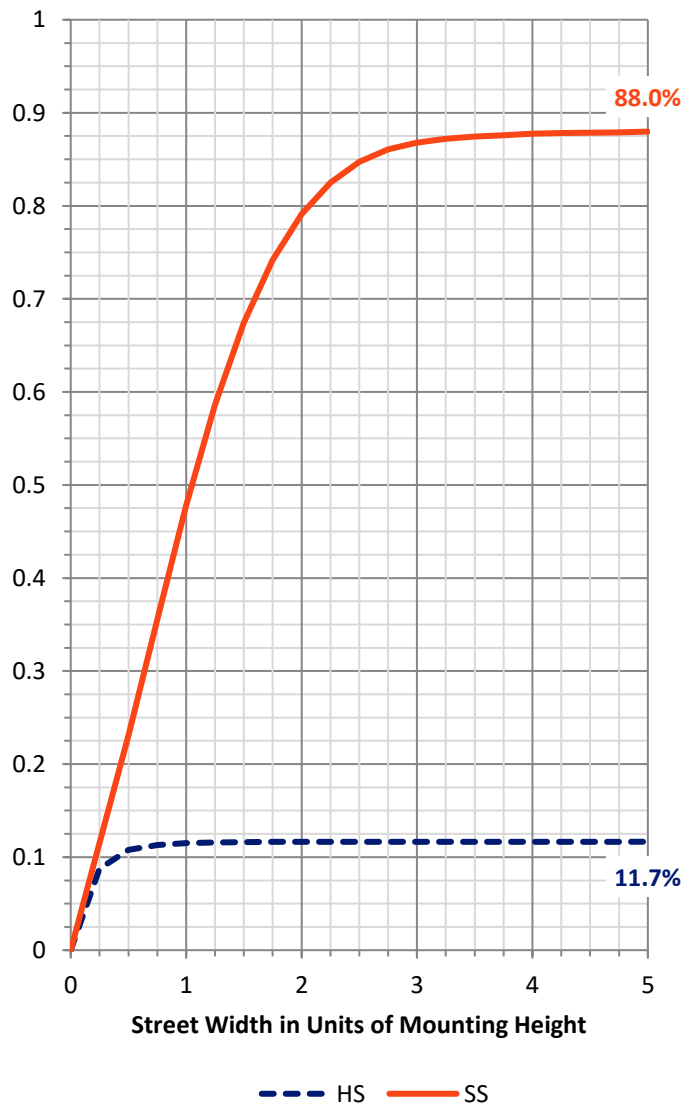
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	382.8	0.0	382.8
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	2865.2	0.0	2865.2
	% Fixture	88.2	0.0	88.2
Total	Lumens	3248.1	0.0	3248.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	1.2
10°-20°	104.7	3.2
20°-30°	176.4	5.4
30°-40°	301.9	9.3
40°-50°	506.9	15.6
50°-60°	778.0	24.0
60°-70°	898.3	27.7
70°-80°	424.3	13.1
80°-90°	20.1	0.6
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°	3248.1	100.0
0°-180°	3248.1	100.0



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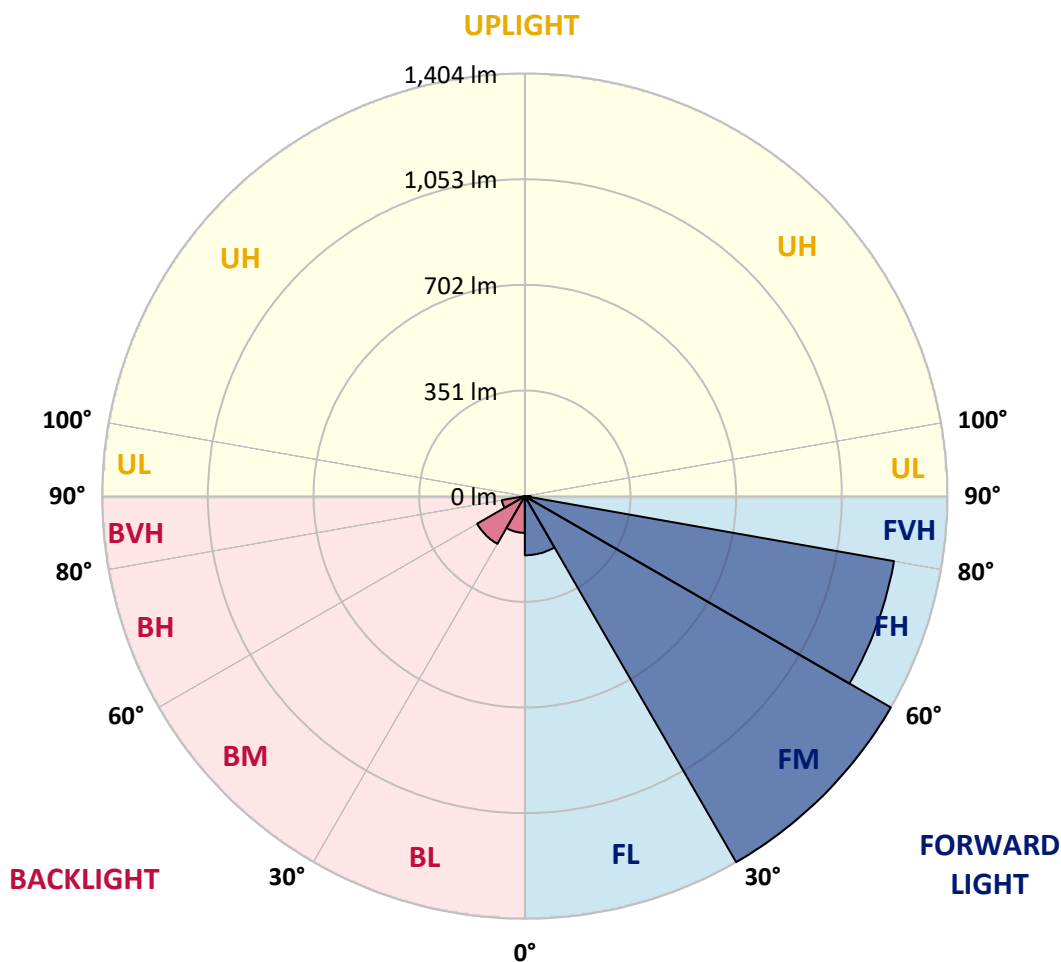
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	196.5	6.0			
FM (30°-60°)	1403.8	43.2			
FH (60°-80°)	1245.2	38.3			G1/1800
FVH (80°-90°)	19.8	0.6			G1/100
BL (0°-30°)	122.1	3.8	B1/500		
BM (30°-60°)	183.0	5.6	B0/220		
BH (60°-80°)	77.4	2.4	B0/110		G0/110
BVH (80°-90°)	0.4	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8
2.5°	395.0	392.5	395.0	398.3	395.0	397.4	396.6	399.1	395.8	395.8	398.3
5°	369.2	373.4	375.0	379.2	383.3	390.8	395.8	395.8	400.8	403.3	406.6
7.5°	360.1	353.5	360.1	363.4	367.6	380.0	387.5	390.8	397.4	406.6	411.6
10°	346.8	351.8	351.8	362.6	368.4	375.9	389.2	391.6	406.6	415.7	420.7
12.5°	346.0	346.0	350.2	357.6	369.2	383.3	399.9	395.0	410.7	427.3	435.6
15°	348.5	354.3	354.3	364.3	373.4	393.3	407.4	408.2	430.6	447.2	454.7
17.5°	359.3	356.8	360.1	365.9	380.0	399.1	422.3	424.8	450.6	473.0	483.7
20°	381.7	385.8	380.9	377.5	383.3	408.2	438.1	443.1	472.1	493.7	504.5
22.5°	465.5	462.2	442.3	419.0	409.1	420.7	453.0	464.7	498.7	524.4	533.5
25°	560.1	554.3	531.0	496.2	450.6	445.6	482.9	482.9	531.9	560.1	557.6
27.5°	649.7	648.0	620.7	584.1	519.4	483.7	507.0	516.1	569.2	592.4	581.7
30°	741.0	742.6	717.7	673.8	605.7	545.1	541.0	548.5	597.4	633.9	611.5
32.5°	847.2	832.2	814.8	754.2	692.0	624.0	585.0	581.7	628.9	662.1	632.3
35°	941.8	932.6	913.6	858.8	787.4	706.1	651.4	643.1	668.8	712.8	680.4
37.5°	1024.7	1015.6	990.7	954.2	898.6	808.2	731.0	718.6	729.3	775.8	736.8
40°	1096.1	1098.6	1091.9	1056.3	1004.8	922.7	833.9	814.0	804.9	846.3	802.4
42.5°	1147.5	1171.6	1173.3	1129.3	1087.8	1043.0	943.4	927.7	906.1	940.9	910.2
45°	1255.4	1242.1	1250.4	1234.7	1189.0	1182.4	1069.5	1060.4	1030.5	1042.2	1009.8
47.5°	1340.0	1337.6	1353.3	1327.6	1315.2	1316.0	1213.1	1197.3	1155.0	1176.6	1140.1
50°	1389.0	1375.7	1433.0	1452.9	1450.4	1460.4	1358.3	1345.0	1304.4	1335.9	1257.9
52.5°	1400.6	1424.7	1478.6	1550.8	1581.5	1602.2	1516.8	1511.8	1467.8	1487.7	1379.9
55°	1429.7	1452.9	1484.4	1603.1	1716.8	1721.7	1672.8	1677.8	1638.8	1633.8	1496.0
57.5°	1428.8	1423.8	1511.0	1648.7	1806.4	1877.7	1851.2	1827.1	1784.8	1735.8	1570.7
60°	1376.6	1374.1	1464.5	1654.5	1855.3	2018.8	2029.6	2001.4	1895.1	1823.0	1658.7
62.5°	1272.8	1282.8	1374.1	1604.7	1901.8	2069.4	2109.2	2090.1	1958.2	1881.0	1762.4
65°	1154.2	1133.4	1239.6	1480.3	1797.2	2054.5	2140.8	2134.1	2032.9	1944.1	1857.8
67.5°	926.0	935.1	1016.4	1273.7	1618.8	1999.7	2214.6	2224.6	2092.6	1999.7	1886.8
70°	586.6	603.2	687.9	920.2	1321.8	1827.1	2281.0	2310.0	2139.9	1994.7	1802.2
72.5°	170.9	177.6	292.9	458.9	842.2	1465.3	2174.8	2189.7	2047.8	1810.5	1394.0
75°	56.4	59.7	86.3	149.4	330.2	757.6	1606.4	1676.9	1629.6	1312.7	797.4
77.5°	37.3	39.0	47.3	71.4	125.3	237.3	861.3	936.8	918.5	614.8	257.2
80°	27.4	28.2	34.8	48.1	76.3	85.5	317.8	367.6	355.1	141.1	51.4
82.5°	17.4	17.4	25.7	34.0	48.1	42.3	92.1	102.1	99.6	53.9	19.9
85°	11.6	12.4	19.1	26.6	26.6	19.9	26.6	30.7	33.2	29.0	9.1
87.5°	3.3	4.1	10.8	18.3	10.8	10.0	9.1	10.0	11.6	15.8	5.0
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°	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8
2.5°	400.8	404.1	403.3	404.9	402.4	399.9	402.4	402.4	402.4	399.9	398.3
5°	404.1	402.4	404.1	400.8	404.1	400.8	399.1	394.1	393.3	393.3	396.6
7.5°	409.1	410.7	403.3	403.3	395.8	397.4	393.3	394.1	392.5	390.0	388.3
10°	416.5	423.2	415.7	413.2	404.9	398.3	388.3	383.3	383.3	380.0	383.3
12.5°	437.3	434.8	430.6	422.3	412.4	399.1	375.0	351.0	331.1	316.1	323.6
15°	453.9	453.0	447.2	431.5	418.2	377.5	317.0	254.7	221.5	206.6	204.1
17.5°	479.6	477.1	467.1	446.4	402.4	312.8	217.4	165.1	132.8	125.3	122.8
20°	503.7	502.8	481.3	454.7	362.6	228.2	141.9	108.7	99.6	100.4	98.7
22.5°	529.4	525.2	499.5	444.7	288.8	151.8	101.2	97.1	93.8	92.9	94.6
25°	558.4	543.5	517.8	422.3	212.4	104.5	95.4	92.1	88.8	88.0	88.0
27.5°	570.0	560.1	526.1	368.4	134.4	91.3	89.6	85.5	81.3	78.8	78.0
30°	596.6	580.0	534.4	289.6	95.4	83.8	81.3	76.3	70.5	66.4	66.4
32.5°	623.1	603.2	535.2	202.5	79.7	75.5	71.4	64.7	57.3	53.1	53.9
35°	656.3	628.9	526.1	131.1	71.4	66.4	58.1	50.6	44.0	40.7	40.7
37.5°	712.8	687.0	488.7	86.3	64.7	56.4	48.1	39.8	34.0	31.5	31.5
40°	784.1	750.9	437.3	68.0	57.3	48.1	38.2	30.7	27.4	24.9	24.9
42.5°	869.6	828.1	360.9	60.6	50.6	39.8	29.9	24.1	20.7	20.7	19.9
45°	955.0	887.0	282.9	55.6	44.8	33.2	23.2	19.1	17.4	16.6	16.6
47.5°	1077.0	958.4	202.5	50.6	39.0	25.7	19.1	15.8	14.1	13.3	14.1
50°	1194.0	1025.6	143.5	45.6	32.4	20.7	15.8	14.1	12.4	11.6	11.6
52.5°	1296.9	1072.0	100.4	39.8	27.4	17.4	14.1	12.4	11.6	10.8	10.8
55°	1353.3	1056.3	68.9	34.0	22.4	14.9	12.4	10.8	10.0	9.1	9.1
57.5°	1411.4	1012.3	52.3	28.2	18.3	14.1	11.6	10.0	9.1	8.3	8.3
60°	1460.4	979.9	40.7	22.4	14.9	11.6	10.0	8.3	7.5	6.6	5.8
62.5°	1462.8	915.2	29.9	16.6	11.6	10.0	8.3	6.6	4.1	3.3	2.5
65°	1472.8	847.2	21.6	12.4	8.3	7.5	5.8	3.3	1.7	0.0	0.0
67.5°	1438.0	766.7	17.4	9.1	5.8	4.1	2.5	0.8	0.0	0.0	0.0
70°	1296.1	647.2	13.3	6.6	4.1	2.5	0.8	0.0	0.0	0.0	0.0
72.5°	927.7	420.7	9.1	5.0	1.7	0.8	0.0	0.0	0.0	0.0	0.0
75°	494.5	179.2	6.6	3.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	155.2	45.6	4.1	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	34.0	12.4	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	11.6	5.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.1	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	0.8	0.8	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)