

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: P674637

Luminaire Tested: **CCP-SA-1C-850-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674637
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-850-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

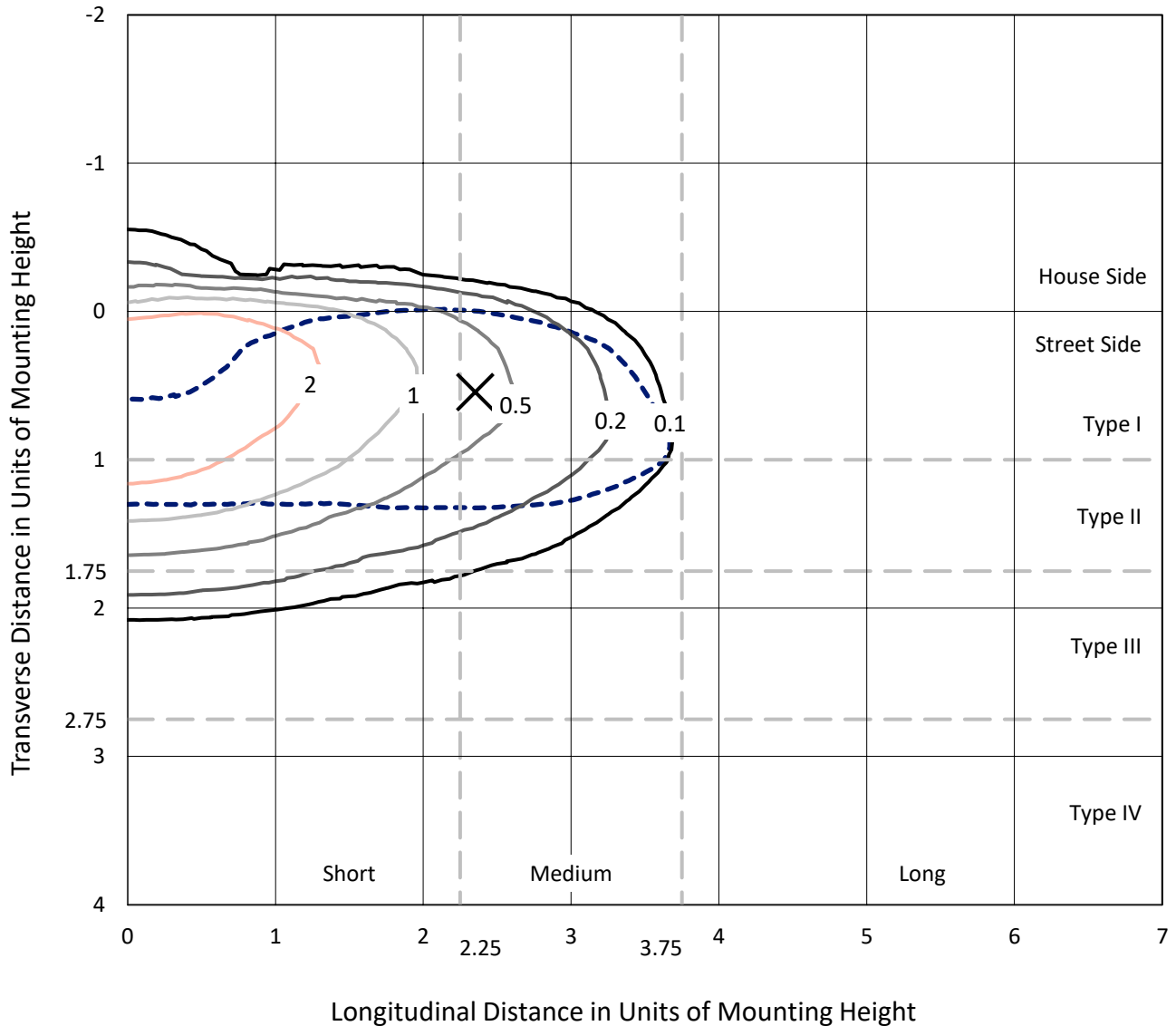
Lumens per Lamp: N/A
Luminaire Lumens: 3194.5 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 32
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

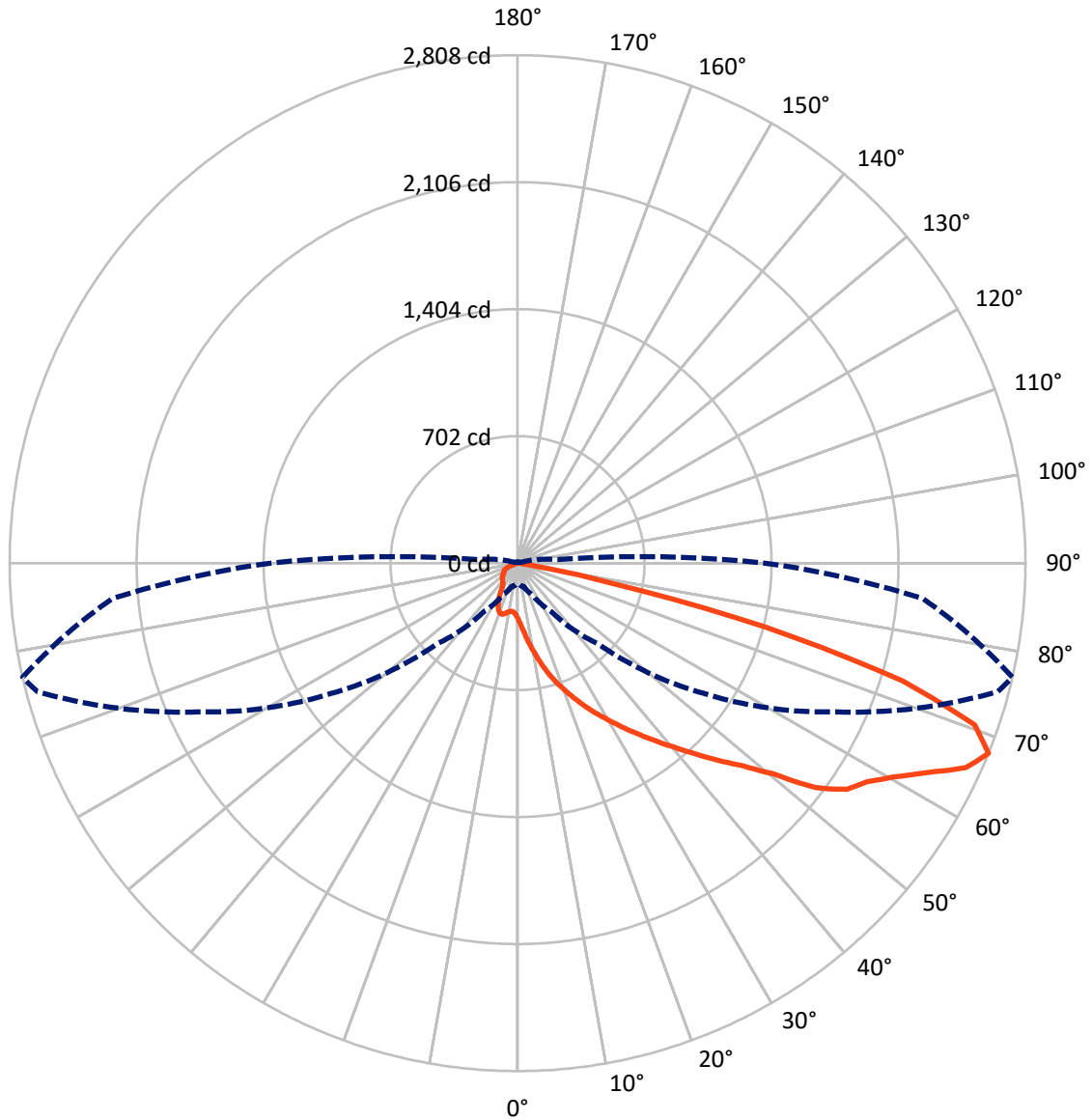
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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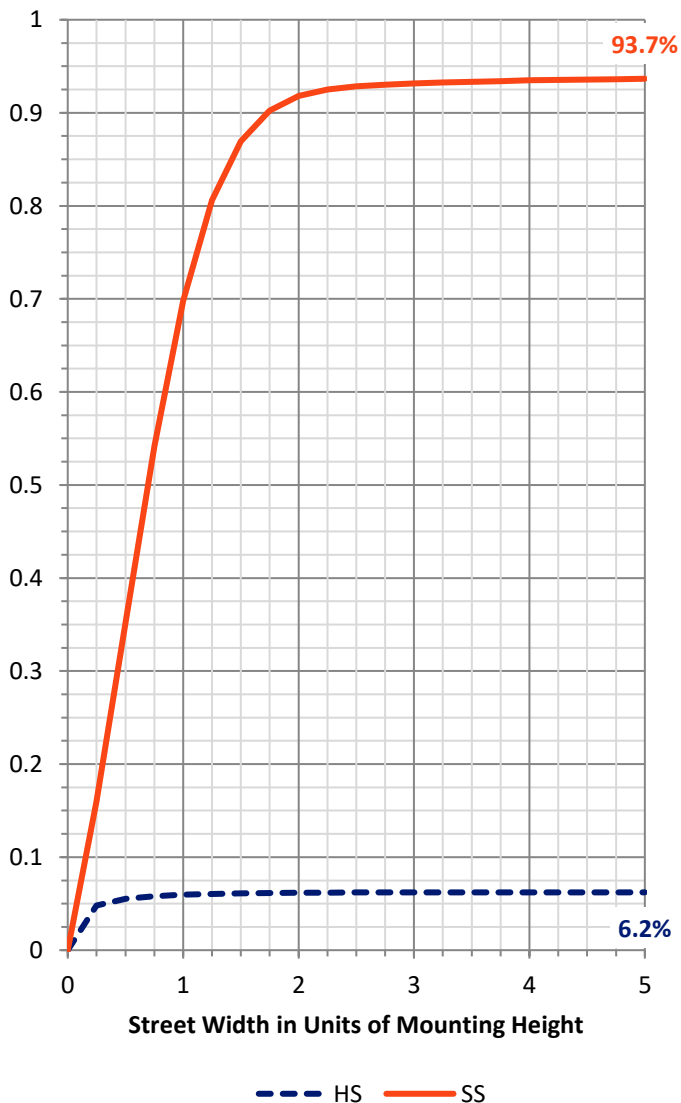
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	199.6	0.0	199.6
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2994.9	0.0	2994.9
	% Fixture	93.8	0.0	93.8
Total	Lumens	3194.5	0.0	3194.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	1.1
10°-20°	133.0	4.2
20°-30°	259.8	8.1
30°-40°	454.2	14.2
40°-50°	662.4	20.7
50°-60°	774.6	24.2
60°-70°	627.9	19.7
70°-80°	235.9	7.4
80°-90°	10.7	0.3
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°	3194.5	100.0
0°-180°	3194.5	100.0

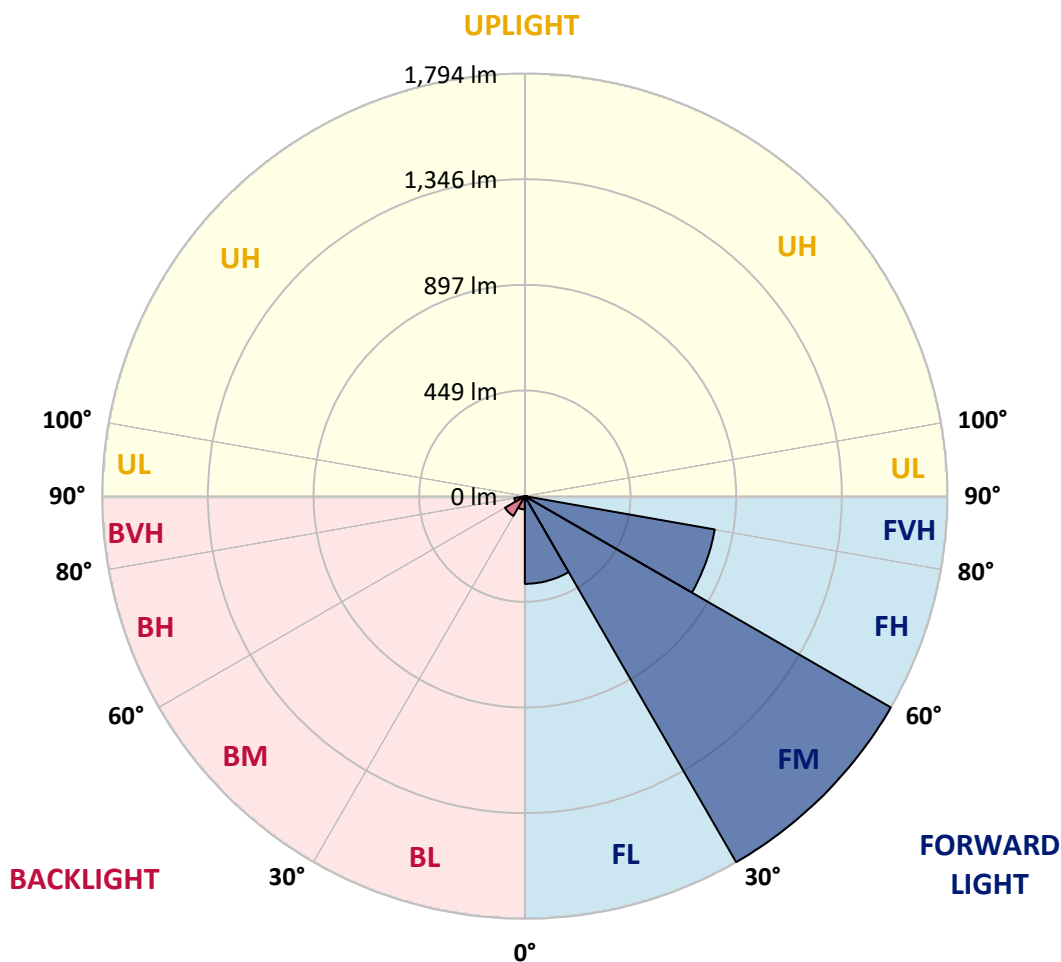


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	372.1	11.6			
FM (30°-60°)	1794.1	56.2			
FH (60°-80°)	818.5	25.6			G1/1800
FVH (80°-90°)	10.1	0.3			G1/100
BL (0°-30°)	56.6	1.8	B0/110		
BM (30°-60°)	97.1	3.0	B0/220		
BH (60°-80°)	45.3	1.4	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0
2.5°	459.4	442.7	445.8	438.9	430.0	409.2	387.3	365.4	345.8	341.4	321.8
5°	588.3	583.1	577.6	573.0	554.3	528.3	488.8	438.6	393.4	385.6	344.9
7.5°	688.4	680.6	685.5	671.3	651.7	626.6	576.5	522.8	453.0	441.5	378.4
10°	762.2	757.9	760.2	753.5	744.0	718.9	669.3	602.1	521.4	499.5	415.8
12.5°	817.6	818.4	828.5	829.1	821.3	800.8	748.3	678.3	583.4	563.8	457.4
15°	857.9	858.8	871.2	884.5	893.4	882.7	835.1	756.7	656.4	629.5	500.9
17.5°	864.6	865.1	887.1	913.9	941.6	950.8	914.2	834.6	723.0	692.4	550.8
20°	868.9	873.8	893.4	924.3	968.1	996.6	976.7	909.3	787.6	752.1	599.8
22.5°	921.4	921.4	932.9	954.8	989.7	1034.4	1030.4	977.9	850.4	815.3	648.6
25°	1032.7	1032.7	1021.4	1015.7	1034.4	1069.6	1079.7	1051.1	922.2	880.7	699.9
27.5°	1180.1	1180.1	1162.5	1120.1	1103.9	1118.6	1129.3	1114.9	988.6	947.6	754.1
30°	1332.9	1338.1	1307.5	1253.6	1197.1	1185.8	1175.4	1172.3	1059.2	1013.1	809.2
32.5°	1486.3	1485.7	1447.7	1380.5	1306.6	1266.9	1233.1	1229.4	1134.2	1088.9	861.4
35°	1608.9	1609.2	1569.1	1500.2	1414.8	1364.0	1309.8	1292.2	1216.4	1165.9	923.7
37.5°	1715.0	1708.9	1665.7	1600.2	1520.6	1468.1	1400.7	1354.8	1301.5	1250.1	986.0
40°	1775.8	1767.8	1725.7	1663.4	1603.1	1563.0	1503.6	1430.4	1394.9	1339.5	1056.9
42.5°	1784.8	1777.9	1749.9	1712.4	1663.1	1627.9	1612.0	1515.7	1492.9	1442.8	1141.7
45°	1759.7	1748.4	1739.2	1719.6	1705.8	1688.8	1710.4	1606.6	1605.4	1555.5	1225.6
47.5°	1697.4	1682.1	1684.4	1706.1	1721.6	1736.9	1804.4	1725.7	1718.7	1672.0	1335.8
50°	1591.0	1583.5	1608.9	1651.6	1713.3	1774.4	1898.1	1847.4	1874.8	1830.9	1487.8
52.5°	1374.7	1383.9	1459.8	1562.4	1669.1	1792.0	1986.1	2029.0	2099.1	2063.1	1640.6
55°	1115.2	1111.7	1212.9	1395.2	1565.6	1780.7	2024.4	2136.0	2246.2	2208.4	1725.7
57.5°	898.3	904.4	972.7	1152.9	1390.0	1693.9	2033.4	2192.0	2305.3	2280.2	1804.4
60°	674.2	680.0	742.3	899.2	1156.4	1512.8	1959.5	2211.6	2416.3	2397.3	1930.1
62.5°	429.1	436.6	499.2	651.7	883.9	1231.4	1793.7	2191.1	2532.3	2548.1	2101.7
65°	211.1	217.7	263.9	380.7	590.9	920.8	1562.4	2113.0	2679.9	2725.2	2239.3
67.5°	116.8	120.0	135.8	193.8	329.6	631.6	1255.6	1946.0	2747.7	2808.2	2248.5
70°	90.8	91.7	97.8	113.0	160.6	370.6	893.1	1668.0	2607.2	2680.5	2061.3
72.5°	76.4	77.6	80.5	85.6	100.4	192.9	561.2	1289.1	2193.7	2226.9	1594.7
75°	55.9	57.7	65.8	70.4	79.3	117.1	247.4	774.6	1449.7	1417.1	892.2
77.5°	47.0	48.4	50.5	57.1	65.5	79.9	86.8	324.7	590.0	513.0	234.2
80°	32.0	33.7	39.2	42.7	55.4	52.8	36.0	87.1	118.5	96.6	45.0
82.5°	22.8	24.2	27.1	34.9	40.1	28.0	19.6	26.5	28.5	27.1	14.7
85°	7.2	9.2	19.6	28.8	21.6	9.5	12.4	10.1	8.9	8.7	5.8
87.5°	1.4	1.4	9.8	11.5	8.7	4.9	4.3	3.2	4.0	4.0	3.2
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°	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0
2.5°	312.6	299.6	280.9	263.3	245.4	232.7	223.8	214.8	211.4	209.9	206.2
5°	326.4	301.6	264.4	234.5	212.5	198.7	190.3	183.1	178.5	177.1	175.0
7.5°	346.3	310.6	257.2	222.6	200.7	185.7	172.2	156.6	144.2	139.3	137.3
10°	368.0	324.1	258.4	220.3	191.2	158.3	128.0	103.0	92.0	88.0	85.1
12.5°	399.7	339.1	263.3	217.7	162.6	113.0	81.9	71.5	68.9	68.3	67.8
15°	431.4	360.2	271.4	200.4	121.4	77.0	68.1	64.3	62.9	61.4	61.4
17.5°	463.4	380.4	274.5	166.7	83.9	66.6	62.0	58.8	56.5	55.4	54.5
20°	499.5	401.7	265.3	125.4	67.2	60.8	55.7	51.9	49.9	48.7	47.9
22.5°	538.4	422.8	245.1	87.4	61.1	54.8	49.9	46.1	44.1	43.0	42.7
25°	575.0	440.9	212.8	65.8	55.1	49.0	44.4	41.2	39.8	38.6	38.4
27.5°	612.8	456.5	170.7	58.0	50.2	44.4	39.8	37.2	35.8	34.9	34.6
30°	649.7	467.2	127.2	53.1	45.9	40.1	36.0	34.0	32.6	31.7	31.4
32.5°	687.8	473.2	85.9	48.7	41.5	36.3	32.9	30.9	30.0	29.1	29.1
35°	724.4	472.4	62.0	44.7	38.1	32.9	29.7	28.3	28.0	27.1	27.1
37.5°	764.5	466.3	52.8	40.9	34.3	29.7	27.1	26.2	26.0	25.4	25.1
40°	810.1	452.8	48.2	38.1	31.1	27.1	24.8	24.2	23.9	23.4	23.4
42.5°	859.9	435.2	45.6	34.9	28.5	24.5	22.8	21.9	21.6	21.1	21.1
45°	917.9	418.4	43.8	31.7	26.2	22.5	20.8	19.9	19.6	19.0	19.0
47.5°	996.9	408.9	40.9	28.8	23.6	20.5	18.7	18.2	17.6	17.0	17.0
50°	1105.6	397.7	37.2	26.0	21.6	18.5	17.3	16.4	16.1	15.6	15.6
52.5°	1195.0	373.7	33.5	23.1	19.3	17.0	15.9	15.3	14.7	14.4	14.4
55°	1226.5	345.8	29.7	20.8	17.6	15.9	14.7	14.1	13.8	13.6	13.6
57.5°	1276.7	336.8	26.2	18.5	15.9	14.7	13.6	13.3	13.0	12.7	12.4
60°	1362.3	342.0	23.1	16.4	14.4	13.3	12.4	12.1	11.5	11.0	11.0
62.5°	1445.4	335.7	19.6	14.4	12.4	11.8	11.0	10.4	9.2	8.4	7.8
65°	1465.5	293.3	17.0	12.1	10.4	9.8	8.9	7.8	6.1	4.9	4.9
67.5°	1367.8	222.9	14.7	10.4	8.7	8.1	6.3	5.2	3.7	2.9	2.9
70°	1128.7	141.3	12.1	8.1	7.2	5.5	4.0	3.7	2.6	2.3	2.0
72.5°	814.4	77.3	10.1	6.6	5.2	3.5	2.9	2.3	1.7	1.2	1.2
75°	412.4	36.3	7.5	5.2	3.5	2.3	1.7	1.2	1.2	0.9	0.9
77.5°	116.8	16.7	4.9	3.5	2.3	1.4	1.2	0.9	0.9	0.6	0.6
80°	23.1	8.4	3.2	2.3	1.7	1.2	0.9	0.6	0.6	0.3	0.3
82.5°	8.4	4.3	2.3	1.7	1.4	1.2	0.6	0.3	0.3	0.0	0.0
85°	4.3	2.3	1.7	1.4	1.2	0.9	0.6	0.3	0.0	0.0	0.0
87.5°	2.3	1.7	1.4	1.4	1.2	0.9	0.6	0.3	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)