

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: P674404

Luminaire Tested: **CCP-SA-1B-735-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674404
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-735-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

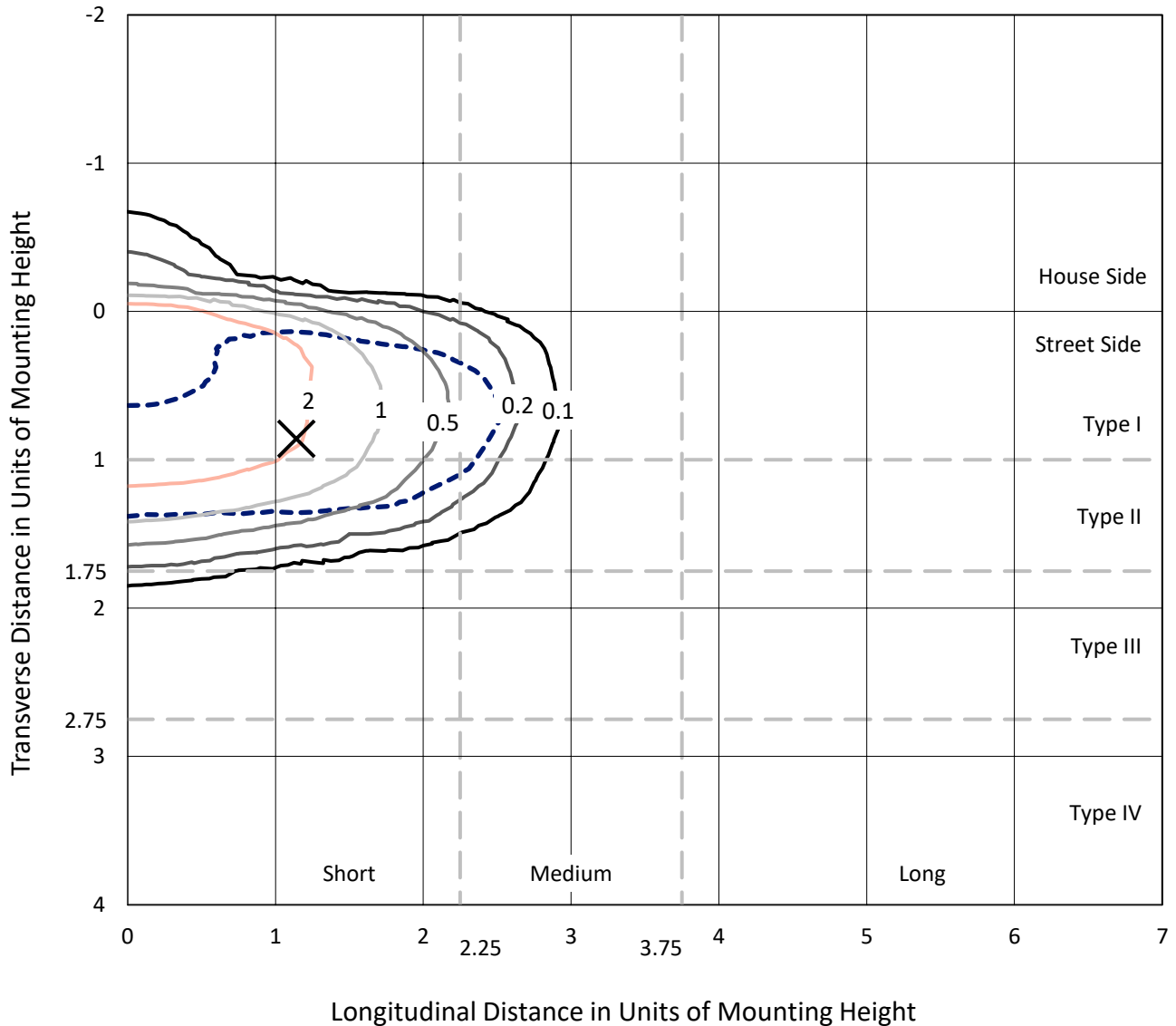
Lumens per Lamp: N/A
Luminaire Lumens: 2824.7 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 24
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

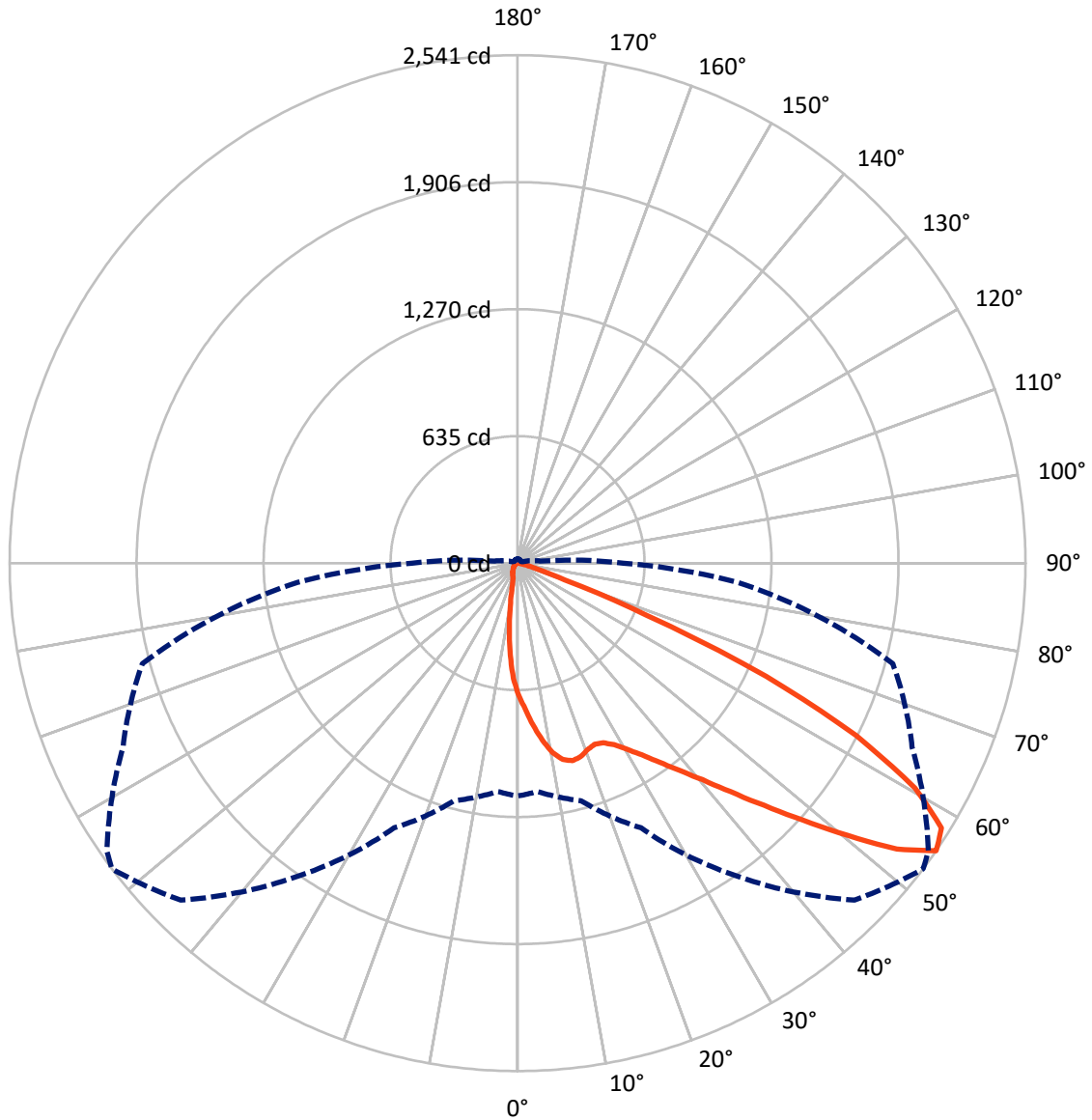
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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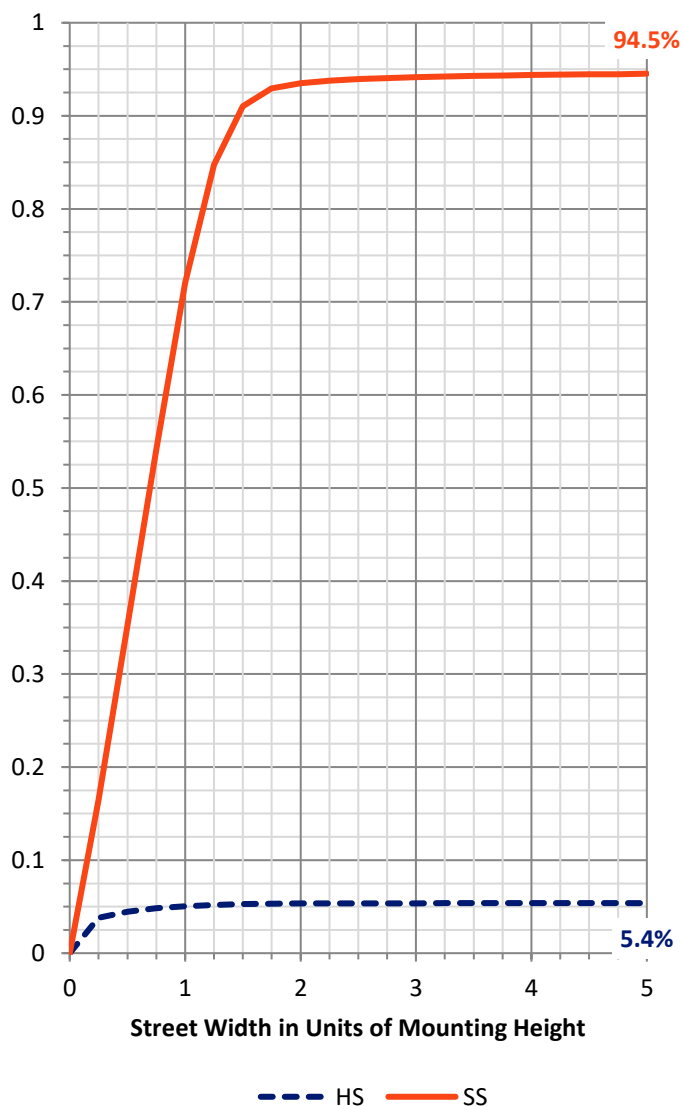
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	152.7	0.0	152.7
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	2672.0	0.0	2672.0
	% Fixture	94.6	0.0	94.6
Total	Lumens	2824.7	0.0	2824.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	2.1
10°-20°	154.4	5.5
20°-30°	258.5	9.2
30°-40°	422.9	15.0
40°-50°	679.7	24.1
50°-60°	767.4	27.2
60°-70°	409.4	14.5
70°-80°	67.3	2.4
80°-90°	6.0	0.2
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°	2824.7	100.0
0°-180°	2824.7	100.0



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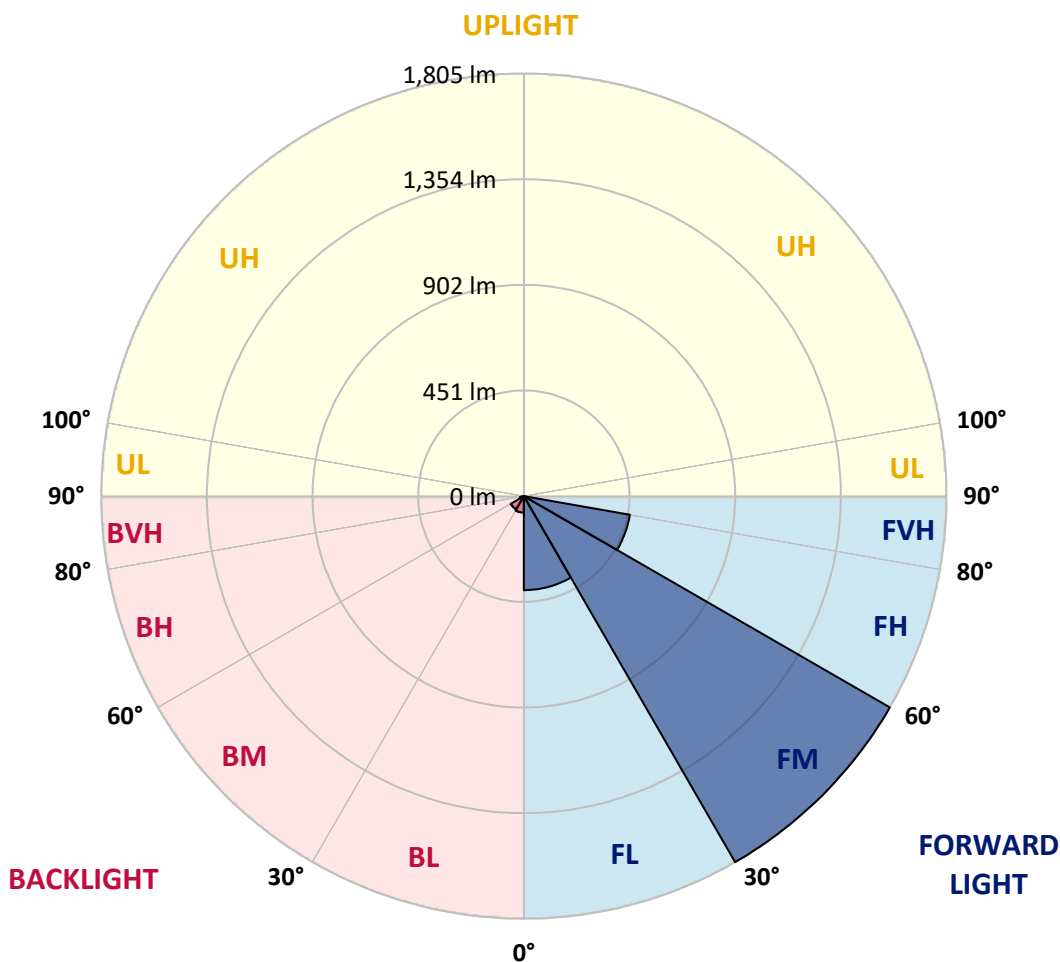
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	401.5	14.2			
FM (30°-60°)	1805.0	63.9			
FH (60°-80°)	459.9	16.3			G0/660
FVH (80°-90°)	5.5	0.2			G0/10
BL (0°-30°)	70.5	2.5	B0/110		
BM (30°-60°)	65.0	2.3	B0/220		
BH (60°-80°)	16.7	0.6	B0/110		G0/110
BVH (80°-90°)	0.5	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-G0

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	661.0	661.0	661.0	661.0	661.0	661.0	661.0	661.0	661.0	661.0	661.0
2.5°	792.7	788.0	790.7	783.6	770.4	754.1	729.6	730.8	711.5	694.7	671.4
5°	923.6	918.7	917.2	898.9	880.6	851.1	814.7	808.8	773.4	730.6	681.8
7.5°	992.7	988.5	991.7	985.0	966.9	940.2	894.2	889.7	835.0	770.2	698.4
10°	961.0	959.5	973.1	989.0	1003.6	1000.4	963.5	956.5	895.2	813.7	715.5
12.5°	875.9	880.6	897.9	927.1	972.1	1014.5	1008.5	1009.8	956.5	861.0	734.3
15°	825.9	831.6	841.5	856.6	912.0	987.2	1025.6	1038.0	1015.4	913.7	756.6
17.5°	821.7	826.4	827.9	833.5	866.0	943.4	1018.7	1042.2	1067.9	963.5	781.6
20°	854.1	856.1	854.8	850.6	862.3	919.7	996.9	1030.5	1111.2	1016.4	803.6
22.5°	915.2	912.2	908.5	892.9	892.2	926.4	985.0	1020.2	1137.0	1060.2	818.2
25°	990.9	984.8	979.6	957.5	947.1	961.2	995.6	1023.9	1160.2	1102.8	828.6
27.5°	1073.6	1075.6	1062.7	1033.0	1016.7	1013.7	1028.6	1049.6	1182.8	1140.9	834.3
30°	1162.0	1163.0	1146.1	1115.4	1100.6	1081.5	1080.5	1093.2	1207.0	1184.7	839.7
32.5°	1262.7	1265.4	1237.9	1206.0	1180.0	1155.3	1143.2	1153.8	1250.6	1241.9	850.9
35°	1408.2	1396.3	1359.2	1311.0	1274.1	1241.7	1223.1	1230.0	1308.5	1310.5	873.1
37.5°	1558.2	1557.0	1515.9	1446.3	1385.9	1345.6	1313.9	1325.3	1389.9	1402.3	908.8
40°	1698.0	1701.2	1665.6	1605.0	1527.3	1458.0	1424.1	1431.7	1498.1	1513.6	952.1
42.5°	1789.3	1787.6	1790.3	1773.0	1695.1	1613.4	1562.4	1566.6	1623.8	1631.9	1006.3
45°	1831.4	1824.7	1848.0	1902.9	1872.0	1786.1	1728.0	1722.8	1754.2	1752.0	1055.5
47.5°	1795.0	1782.7	1836.1	1968.5	2028.4	2002.4	1919.3	1909.9	1883.1	1865.3	1106.8
50°	1614.1	1608.7	1723.0	1937.3	2126.7	2202.4	2141.3	2106.4	1998.2	1949.0	1133.7
52.5°	1442.1	1427.0	1504.2	1778.2	2082.9	2363.3	2375.9	2313.8	2093.8	1973.0	1124.6
55°	1164.9	1146.4	1230.5	1460.9	1909.4	2383.8	2540.7	2508.3	2177.4	1943.3	1106.0
57.5°	707.6	689.3	813.0	1046.4	1527.0	2213.0	2500.1	2533.1	2241.8	1910.6	1093.9
60°	297.5	285.9	334.4	499.4	975.1	1818.8	2284.8	2367.0	2253.9	1865.8	1098.9
62.5°	154.7	149.5	152.2	200.0	394.3	1197.6	1901.7	2044.8	2131.6	1846.0	1103.8
65°	116.1	112.1	103.5	109.9	153.2	517.7	1366.6	1558.2	1866.6	1795.8	1070.4
67.5°	95.3	91.6	85.4	83.4	90.3	179.7	697.7	946.6	1462.7	1581.7	950.6
70°	76.0	74.7	72.8	69.0	67.8	87.1	250.2	385.8	967.2	1115.4	689.0
72.5°	63.4	63.6	61.4	58.2	53.7	56.2	99.7	131.9	468.0	534.8	288.6
75°	53.0	53.0	53.7	49.3	44.8	38.6	55.4	64.3	150.2	123.5	61.6
77.5°	41.6	42.1	45.3	41.6	35.9	24.3	30.2	34.4	44.5	35.6	22.5
80°	33.2	32.7	31.4	37.4	32.2	17.1	14.4	15.8	20.8	17.1	11.1
82.5°	23.3	23.0	22.0	25.2	25.0	12.6	9.4	9.7	12.6	10.9	6.9
85°	5.7	6.7	14.1	11.9	10.4	7.4	5.7	6.2	8.2	7.2	3.7
87.5°	2.5	2.5	6.4	7.7	4.9	3.2	2.5	2.7	4.2	4.2	2.2
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°	661.0	661.0	661.0	661.0	661.0	661.0	661.0	661.0	661.0	661.0	661.0
2.5°	663.3	647.2	626.9	605.4	583.3	556.9	540.0	526.2	515.3	506.9	503.9
5°	665.7	634.8	588.8	531.6	473.4	419.0	376.9	345.7	320.0	305.9	299.7
7.5°	665.5	624.4	541.3	445.5	350.9	272.5	216.8	182.4	159.4	150.0	144.3
10°	665.3	610.8	487.1	349.9	234.6	157.9	116.3	97.0	88.6	85.4	84.9
12.5°	672.4	595.2	426.4	257.6	147.3	98.3	80.9	76.5	74.5	73.5	73.3
15°	676.4	580.9	362.6	181.9	99.2	77.7	72.3	70.3	69.5	69.0	68.8
17.5°	680.6	558.6	301.9	131.7	79.4	70.5	67.3	66.1	65.6	65.6	65.6
20°	681.3	534.6	241.8	97.0	70.5	65.8	62.6	61.4	60.6	60.1	60.1
22.5°	675.9	506.1	190.1	78.7	65.3	61.4	57.9	55.9	54.7	54.4	54.4
25°	662.3	465.8	145.8	69.0	61.1	56.9	52.7	50.5	49.5	49.5	49.5
27.5°	642.7	418.3	112.6	61.4	55.7	51.5	47.8	45.8	45.5	45.3	45.5
30°	620.5	372.5	86.1	54.4	49.3	45.8	42.8	41.8	42.3	42.3	42.6
32.5°	598.2	326.7	67.3	49.0	43.6	40.6	39.1	39.1	39.8	39.8	39.8
35°	579.1	281.9	56.4	44.5	39.6	37.1	36.4	37.1	37.6	37.9	37.9
37.5°	568.5	243.3	49.7	40.6	36.4	34.4	34.2	34.9	35.9	36.6	36.9
40°	564.5	213.6	45.8	37.6	33.4	32.2	31.9	32.9	34.6	35.9	36.1
42.5°	564.8	187.3	42.3	34.6	31.4	29.7	29.7	31.2	32.9	34.2	34.2
45°	566.5	164.8	38.9	31.7	29.7	26.7	27.0	29.0	30.2	31.4	31.4
47.5°	568.0	146.8	35.1	28.5	25.7	24.3	24.7	26.2	28.0	29.9	29.9
50°	559.3	133.9	31.4	25.0	22.5	22.0	23.0	24.3	26.7	28.7	29.0
52.5°	538.5	122.3	28.2	22.3	20.3	20.5	21.8	22.5	24.5	24.7	25.0
55°	529.4	116.3	25.7	20.3	18.6	19.3	20.0	20.3	19.8	18.6	18.6
57.5°	527.4	112.4	23.3	18.3	17.1	18.1	17.8	16.3	14.8	13.4	13.1
60°	529.4	106.9	21.3	15.8	15.6	15.8	15.1	12.4	10.4	9.4	8.9
62.5°	518.0	99.0	19.6	13.6	13.6	13.4	11.4	8.4	6.7	5.9	5.7
65°	480.4	83.4	17.8	11.4	11.1	10.6	7.7	5.7	4.5	3.7	3.5
67.5°	406.4	64.6	16.1	9.4	8.9	7.4	4.9	3.7	2.5	2.2	2.0
70°	277.2	40.1	13.6	7.4	6.7	4.7	3.0	2.2	1.5	1.2	1.0
72.5°	100.5	23.3	11.4	5.7	4.5	3.0	1.7	1.0	0.7	0.7	0.5
75°	23.8	16.3	8.7	4.2	3.0	1.7	1.0	0.7	0.5	0.5	0.2
77.5°	10.9	12.6	5.7	2.5	2.0	1.2	0.7	0.5	0.2	0.2	0.0
80°	6.2	8.9	2.7	1.7	1.5	1.0	0.5	0.2	0.2	0.0	0.0
82.5°	3.2	4.9	2.0	1.5	1.2	0.7	0.5	0.0	0.0	0.0	0.0
85°	2.2	2.5	1.5	1.2	1.0	0.7	0.5	0.0	0.0	0.0	0.0
87.5°	1.7	1.7	1.5	1.2	1.0	0.7	0.2	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)