

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: P674782

Luminaire Tested: **CCP-SA-1D-850-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674782
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-850-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

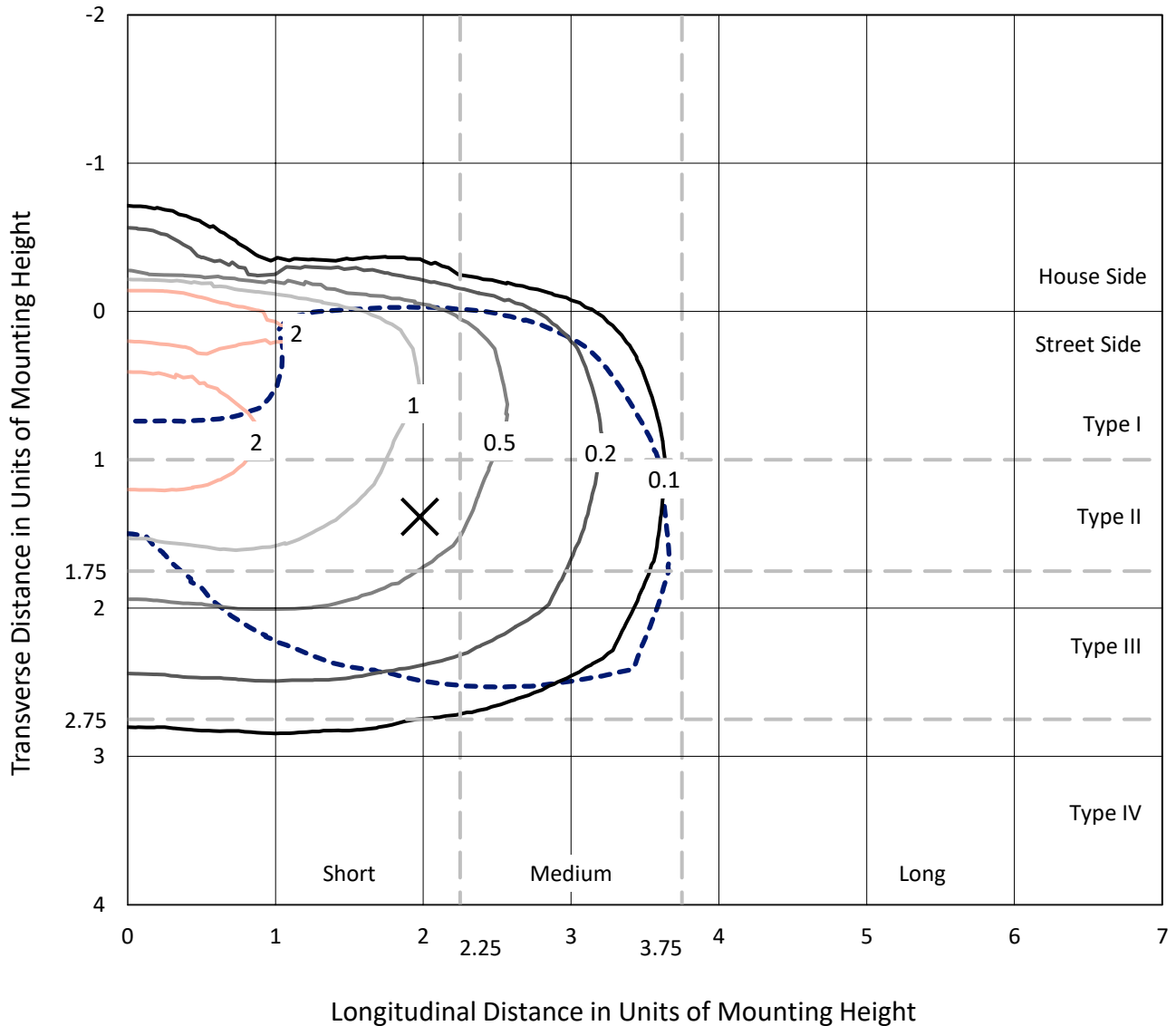
Lumens per Lamp: N/A
Luminaire Lumens: 3859.5 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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

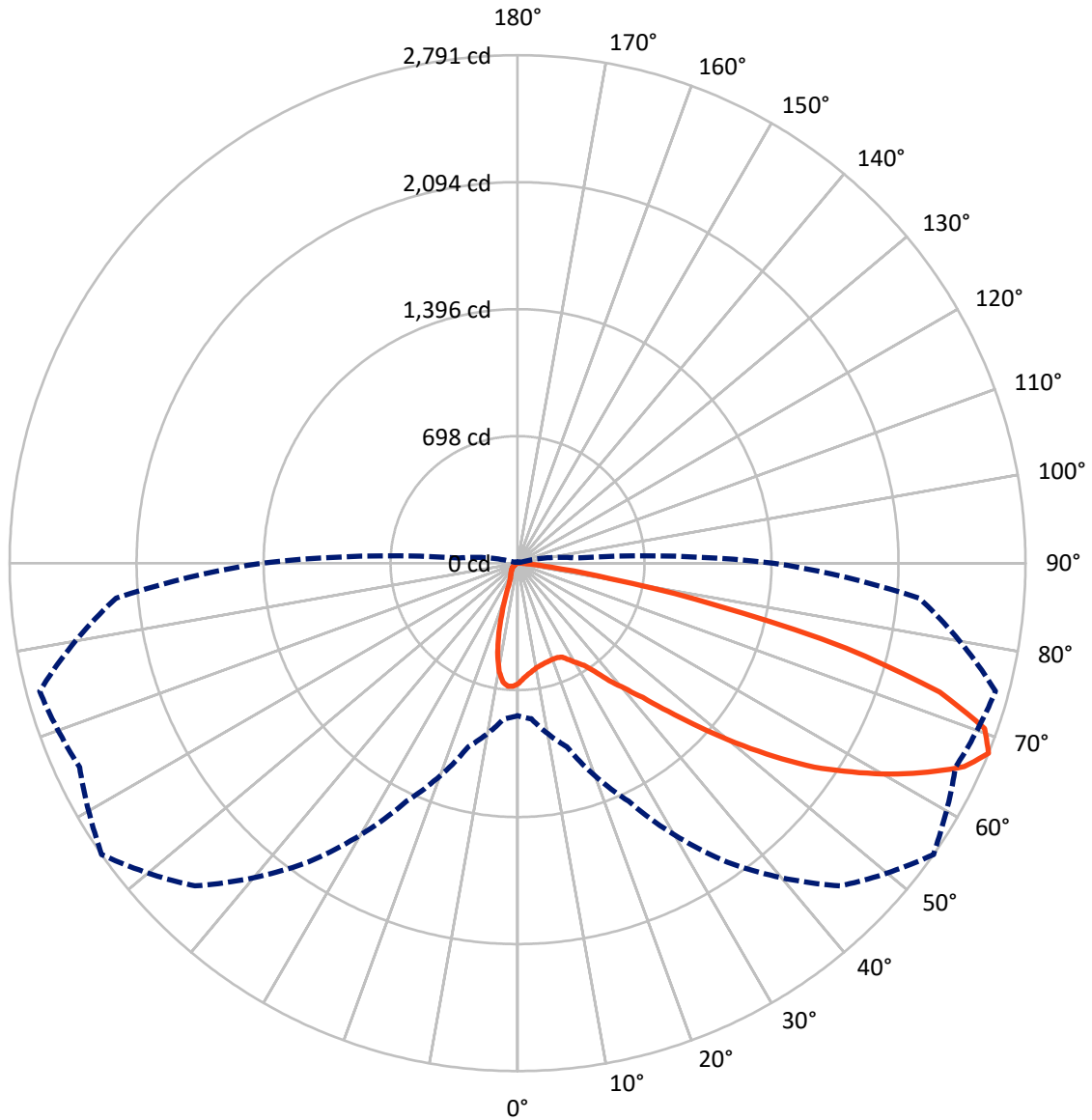
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 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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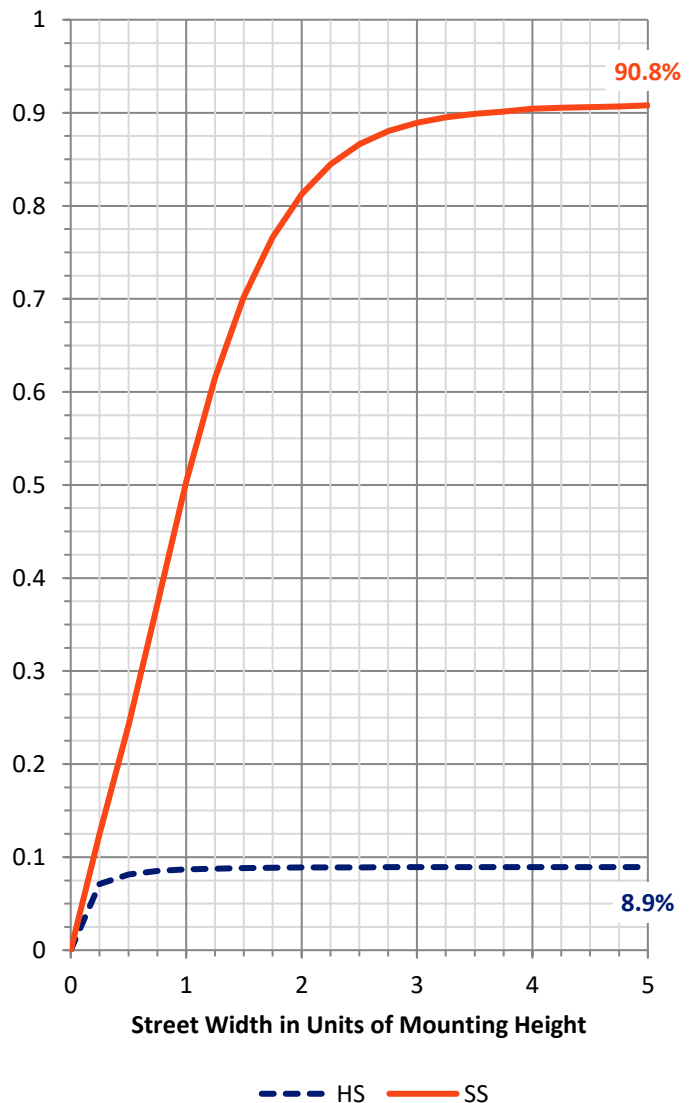
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	346.7	0.0	346.7
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	3512.8	0.0	3512.8
	% Fixture	91.0	0.0	91.0
Total	Lumens	3859.5	0.0	3859.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	1.5
10°-20°	132.2	3.4
20°-30°	212.0	5.5
30°-40°	367.8	9.5
40°-50°	613.2	15.9
50°-60°	896.7	23.2
60°-70°	1045.6	27.1
70°-80°	507.4	13.1
80°-90°	26.5	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°	3859.5	100.0
0°-180°	3859.5	100.0



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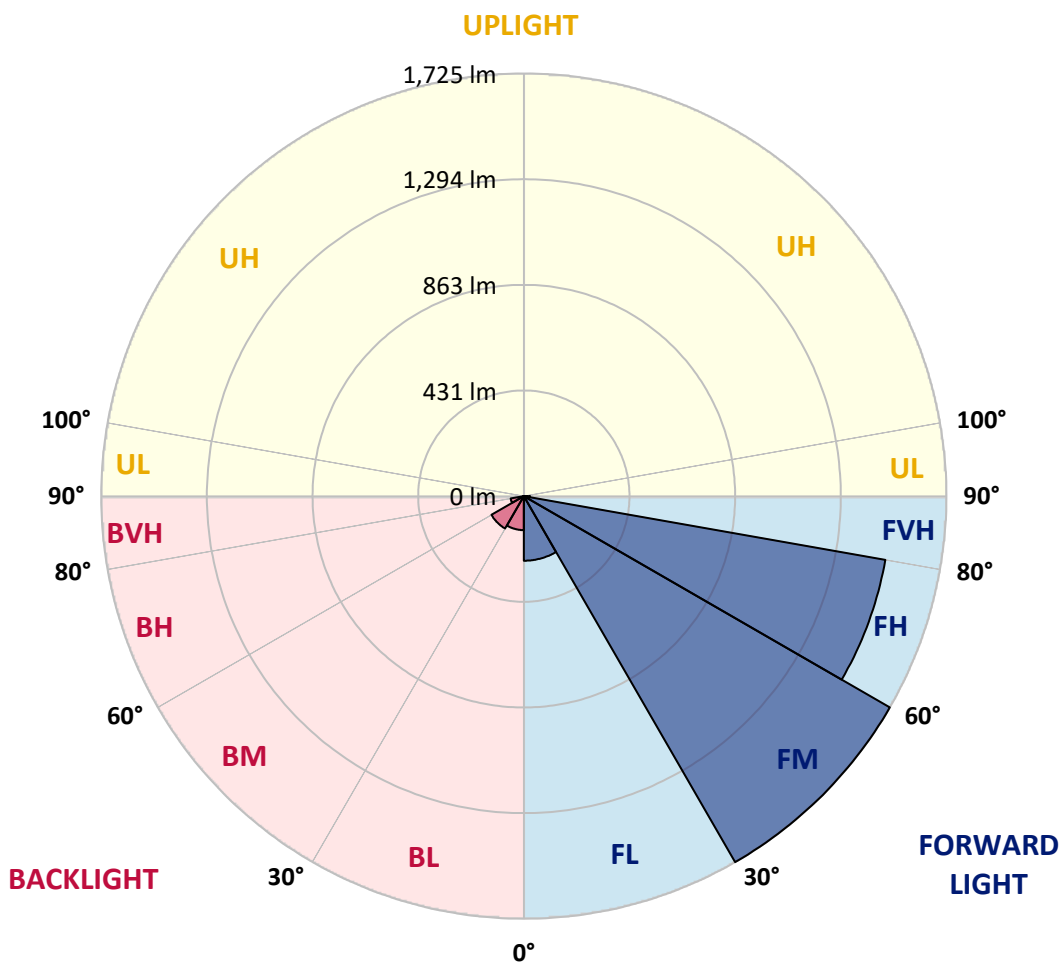
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	263.7	6.8			
FM (30°-60°)	1725.1	44.7			
FH (60°-80°)	1498.3	38.8			G1/1800
FVH (80°-90°)	25.8	0.7			G1/100
BL (0°-30°)	138.6	3.6	B1/500		
BM (30°-60°)	152.6	4.0	B0/220		
BH (60°-80°)	54.7	1.4	B0/110		G0/110
BVH (80°-90°)	0.8	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°	661.4	661.4	661.4	661.4	661.4	661.4	661.4	661.4	661.4	661.4	661.4
2.5°	610.6	614.5	619.4	621.2	627.3	635.8	633.3	631.5	641.1	654.3	658.6
5°	572.5	572.9	580.7	586.4	596.7	604.9	613.8	613.0	630.5	652.9	667.1
7.5°	535.2	535.9	544.1	553.0	567.9	583.9	597.4	596.7	624.8	654.7	681.7
10°	486.1	489.7	499.6	515.3	538.7	564.0	582.8	584.6	618.4	661.4	701.6
12.5°	446.6	448.4	459.4	479.7	507.4	540.5	575.7	574.6	619.8	673.9	727.5
15°	429.9	428.8	435.6	450.5	482.2	523.8	568.6	571.1	624.8	688.1	754.6
17.5°	433.8	432.8	436.3	441.6	464.1	509.9	564.7	569.0	632.6	703.0	779.8
20°	477.2	469.7	463.3	457.7	460.9	498.5	562.2	566.8	637.2	714.4	806.5
22.5°	560.8	551.5	534.5	502.8	481.8	499.3	562.9	569.0	647.5	732.9	838.8
25°	697.0	688.1	651.5	586.7	531.3	524.9	572.5	578.9	671.4	761.0	873.3
27.5°	877.3	857.3	812.9	720.1	613.0	565.8	601.3	608.4	705.1	782.7	896.8
30°	1027.0	1022.3	979.7	865.9	725.8	625.8	633.7	637.6	720.4	795.8	920.3
32.5°	1182.4	1172.8	1133.6	1023.0	856.6	711.5	669.9	671.7	740.3	815.4	954.4
35°	1317.5	1308.6	1275.9	1168.5	1009.5	826.8	730.0	726.1	781.6	858.4	1000.6
37.5°	1442.7	1441.6	1412.8	1303.3	1146.8	946.2	818.6	815.4	846.0	905.7	1063.2
40°	1565.0	1562.1	1537.6	1437.7	1281.9	1065.4	902.9	894.7	900.7	971.8	1145.7
42.5°	1640.0	1646.1	1654.6	1591.3	1442.3	1205.1	1009.5	1004.6	1003.5	1075.3	1254.2
45°	1680.5	1691.2	1741.4	1735.7	1612.3	1379.0	1161.4	1148.6	1144.3	1217.6	1378.3
47.5°	1720.0	1724.6	1806.8	1841.3	1775.1	1560.4	1344.9	1327.1	1309.7	1391.1	1526.6
50°	1722.5	1730.0	1831.7	1915.6	1911.7	1738.9	1550.8	1535.1	1515.2	1602.3	1671.3
52.5°	1687.7	1702.6	1828.5	1962.5	1996.3	1896.4	1764.5	1751.7	1735.3	1800.4	1793.3
55°	1446.9	1472.2	1765.9	1966.8	2055.7	2031.5	1979.2	1961.5	1945.5	1991.7	1912.7
57.5°	1332.4	1346.6	1576.0	1963.6	2131.4	2156.7	2165.6	2157.4	2135.0	2192.6	2037.6
60°	1263.8	1284.4	1485.3	1928.0	2213.2	2298.2	2354.0	2337.7	2310.3	2389.6	2171.3
62.5°	1181.6	1196.6	1395.0	1825.6	2261.9	2442.2	2530.8	2515.8	2459.3	2571.3	2279.4
65°	1030.2	1052.6	1251.3	1664.5	2196.5	2547.8	2697.2	2692.2	2594.1	2708.6	2308.9
67.5°	838.5	858.8	1044.0	1443.7	2005.2	2508.4	2791.4	2775.8	2655.2	2718.9	2215.4
70°	629.4	640.4	780.2	1103.1	1642.9	2297.5	2723.2	2719.9	2562.4	2566.0	1928.4
72.5°	337.8	368.4	518.8	738.2	1155.3	1860.8	2426.9	2414.1	2286.1	2101.6	1386.8
75°	118.1	126.9	276.3	414.6	627.6	1239.6	1866.2	1836.3	1709.7	1366.9	755.6
77.5°	72.5	79.7	122.7	211.9	244.3	538.0	1121.2	1082.4	1000.6	591.0	258.2
80°	50.1	56.5	82.1	110.9	83.2	174.2	516.0	501.4	385.8	140.8	59.4
82.5°	28.1	33.8	62.2	54.4	33.4	45.2	178.9	165.7	102.8	38.0	19.9
85°	16.4	19.6	43.7	38.4	17.1	16.0	46.6	41.6	26.7	14.2	9.6
87.5°	8.5	11.0	32.0	25.6	10.3	5.7	10.7	10.3	6.8	5.0	6.4
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°	661.4	661.4	661.4	661.4	661.4	661.4	661.4	661.4	661.4	661.4	661.4
2.5°	666.4	664.6	673.9	677.1	676.3	674.9	678.5	673.9	673.5	672.4	671.4
5°	678.5	681.3	688.8	688.8	678.8	662.5	652.5	639.0	627.6	620.9	619.8
7.5°	696.6	702.3	707.3	692.0	657.9	617.3	574.3	540.5	511.0	495.7	494.3
10°	722.2	727.5	723.6	679.9	606.6	522.7	452.7	382.3	347.1	327.9	327.9
12.5°	752.8	757.1	733.2	649.7	522.4	400.8	307.2	233.3	198.1	175.3	173.9
15°	785.9	786.9	731.8	597.0	418.2	269.2	176.4	129.4	114.5	111.3	110.6
17.5°	814.7	810.4	716.9	519.2	301.2	160.4	112.0	101.3	98.5	98.5	98.5
20°	841.7	827.5	687.0	428.5	193.1	109.2	96.4	93.5	93.5	93.9	93.9
22.5°	871.6	843.5	644.3	327.9	124.1	93.5	90.3	88.9	88.5	89.6	89.3
25°	906.8	859.1	583.2	226.5	96.0	87.1	85.7	84.3	84.3	84.3	84.3
27.5°	926.3	857.0	513.5	142.9	83.9	80.7	79.3	77.9	76.8	76.5	76.8
30°	943.4	844.5	422.4	99.9	75.7	72.2	71.1	69.3	67.2	66.5	66.5
32.5°	965.8	834.2	327.1	80.4	68.6	64.7	61.5	58.7	55.1	53.7	53.3
35°	990.7	815.4	239.7	70.8	62.2	57.3	52.3	47.6	43.0	41.6	41.2
37.5°	1021.6	798.3	162.5	65.4	56.9	50.9	44.1	37.7	33.4	32.7	32.7
40°	1063.6	784.1	112.4	60.8	51.9	44.8	36.6	29.9	27.0	26.3	26.3
42.5°	1120.8	772.4	85.0	56.9	47.6	38.8	29.5	24.5	22.4	21.7	21.7
45°	1188.4	754.2	71.8	53.3	43.4	32.7	24.5	20.6	19.6	19.6	19.6
47.5°	1265.9	731.5	65.4	49.8	38.8	26.7	20.6	18.8	18.5	18.5	18.8
50°	1344.2	704.4	60.8	45.5	33.4	22.8	18.8	17.8	17.8	18.1	18.1
52.5°	1397.1	662.1	56.2	40.9	28.1	19.9	17.8	17.4	17.1	17.1	17.1
55°	1448.7	625.1	49.8	35.9	23.5	18.5	17.1	16.7	16.7	16.4	16.4
57.5°	1502.4	596.0	41.6	29.9	19.9	17.4	16.4	16.4	15.6	15.3	15.3
60°	1564.6	570.4	32.0	23.5	17.4	16.4	15.3	14.9	14.2	13.5	13.5
62.5°	1582.8	516.3	24.2	18.8	14.9	14.2	13.9	13.2	11.4	10.0	10.3
65°	1535.5	431.3	19.2	14.9	12.1	12.1	11.0	9.2	7.5	6.4	6.4
67.5°	1405.0	322.2	15.6	11.7	9.6	9.2	7.8	6.8	4.6	3.9	3.9
70°	1157.8	213.0	12.8	9.2	7.8	6.4	5.3	5.0	3.6	2.8	2.8
72.5°	811.5	115.6	10.7	7.5	5.7	4.3	3.6	3.2	2.5	2.1	1.8
75°	428.5	44.4	8.5	5.7	3.6	2.8	2.1	2.1	1.8	1.4	1.4
77.5°	146.9	18.8	6.0	3.2	2.5	1.8	1.4	1.1	1.4	1.1	1.1
80°	34.8	11.0	3.9	2.1	1.4	1.1	1.1	0.7	0.7	0.7	0.7
82.5°	15.3	6.4	2.5	1.4	1.4	1.1	0.7	0.4	0.4	0.4	0.4
85°	10.3	3.9	1.8	1.4	1.1	0.7	0.4	0.4	0.0	0.0	0.0
87.5°	8.2	2.5	1.4	1.4	1.1	0.7	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)