

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: P674373

Luminaire Tested: **CCP-SA-1D-722-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674373
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-722-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

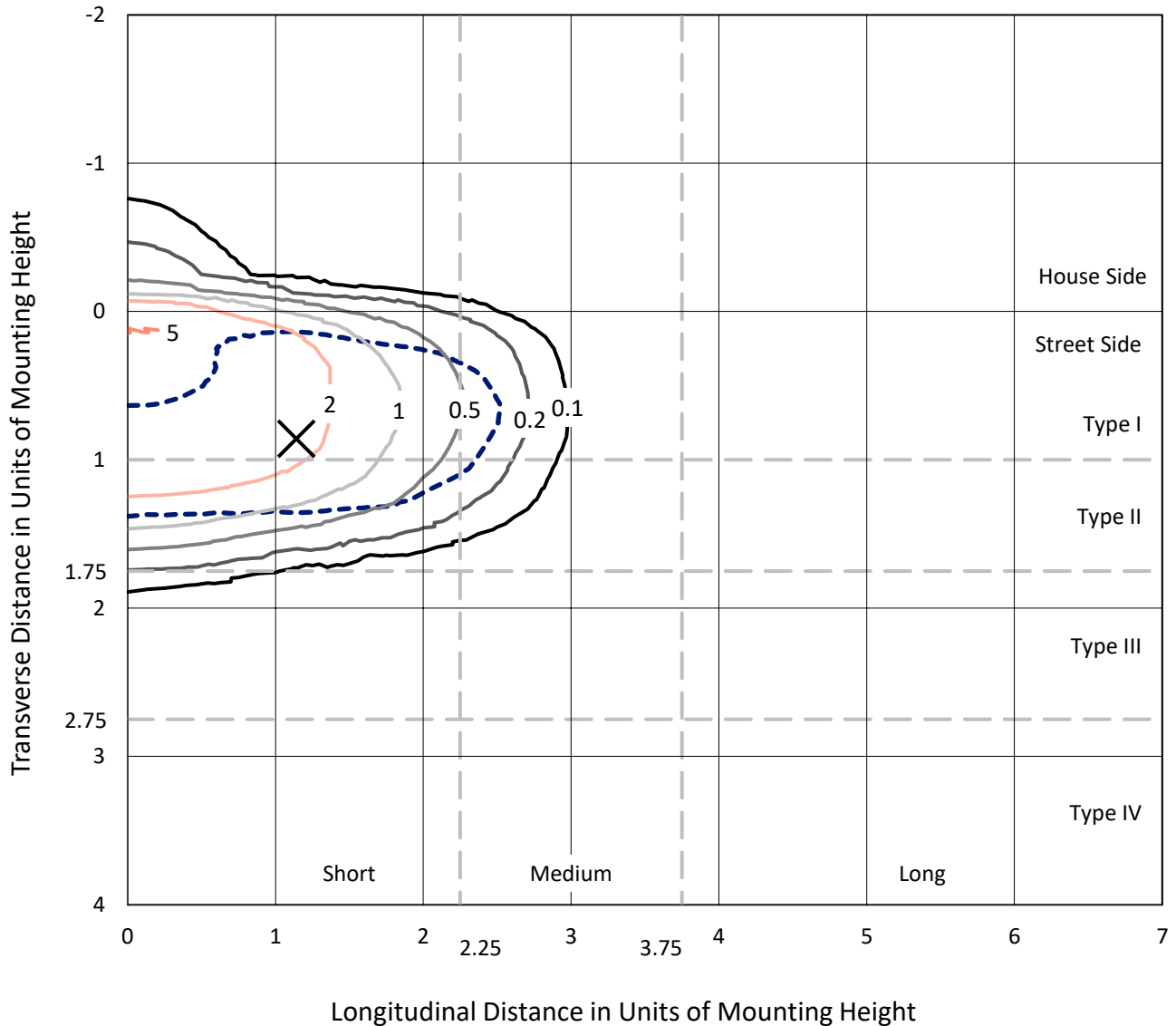
Lumens per Lamp: N/A
Luminaire Lumens: 3406.6 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 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

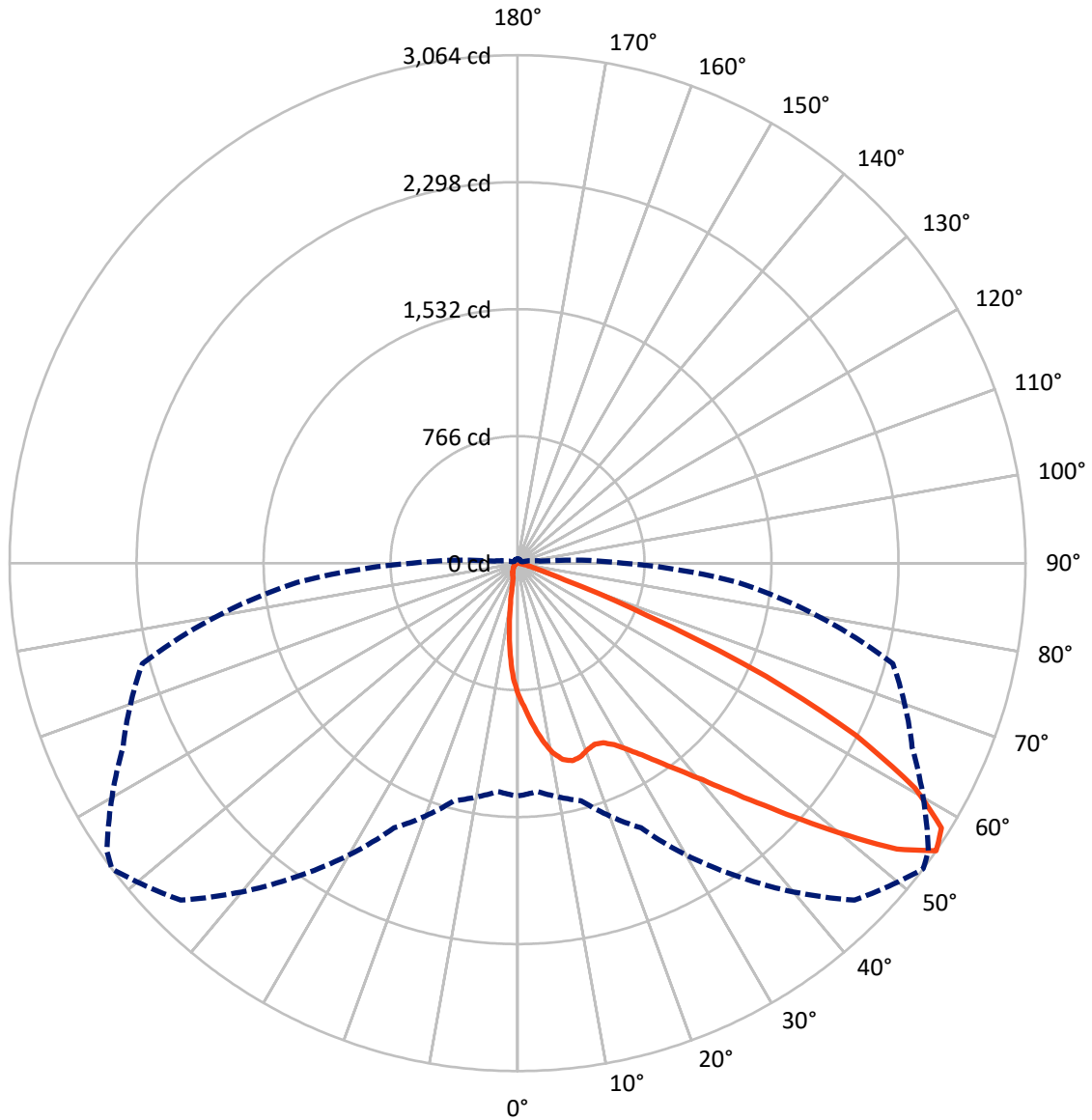
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 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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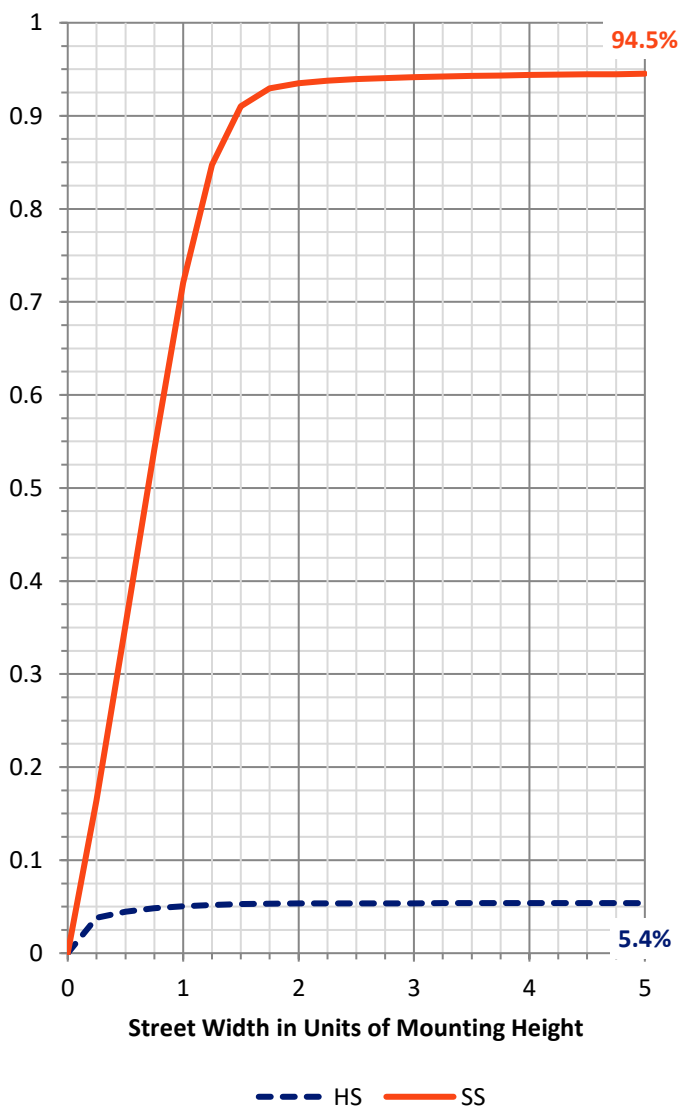
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	184.2	0.0	184.2
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	3222.4	0.0	3222.4
	% Fixture	94.6	0.0	94.6
Total	Lumens	3406.6	0.0	3406.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	2.1
10°-20°	186.2	5.5
20°-30°	311.7	9.2
30°-40°	510.0	15.0
40°-50°	819.7	24.1
50°-60°	925.5	27.2
60°-70°	493.7	14.5
70°-80°	81.1	2.4
80°-90°	7.3	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°	3406.6	100.0
0°-180°	3406.6	100.0



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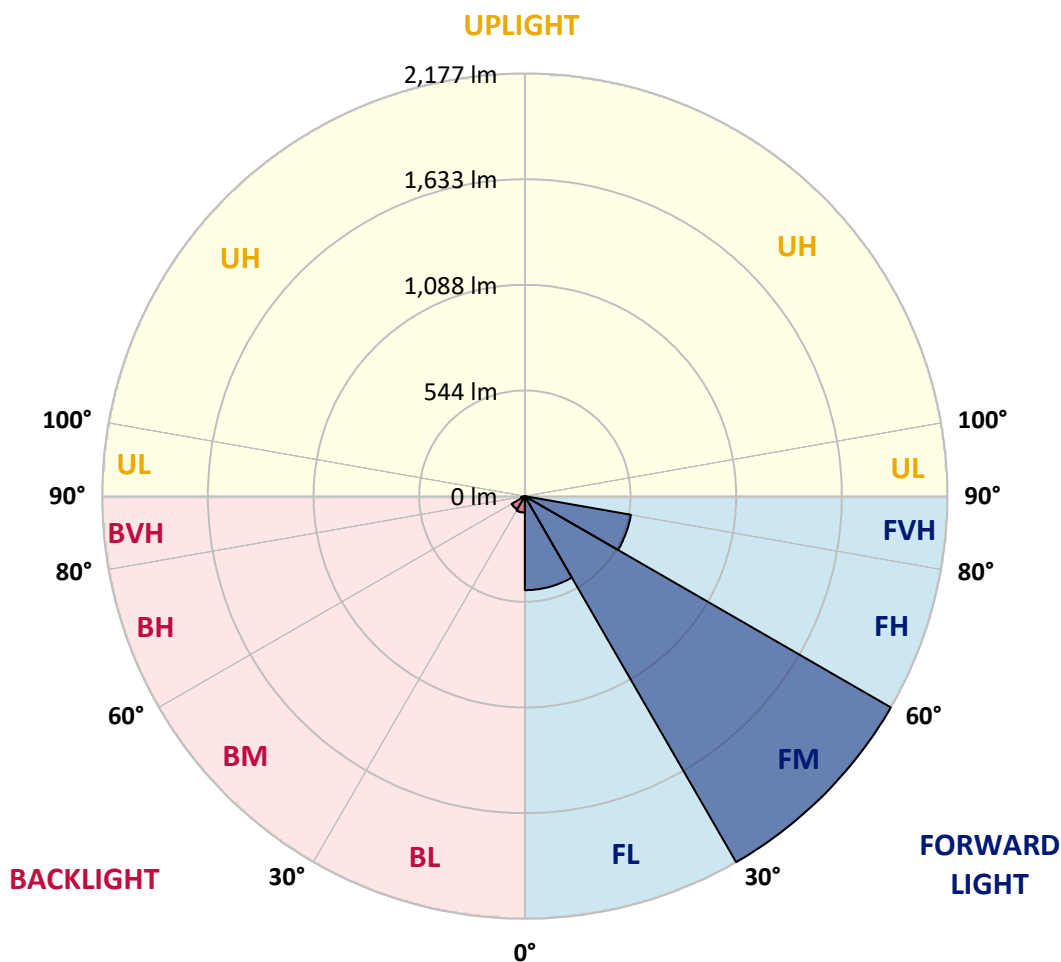
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	484.3	14.2			
FM (30°-60°)	2176.8	63.9			
FH (60°-80°)	554.7	16.3			G0/660
FVH (80°-90°)	6.7	0.2			G0/10
BL (0°-30°)	85.0	2.5	B0/110		
BM (30°-60°)	78.4	2.3	B0/220		
BH (60°-80°)	20.1	0.6	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-G0

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	797.2	797.2	797.2	797.2	797.2	797.2	797.2	797.2	797.2	797.2	797.2
2.5°	956.0	950.3	953.6	945.0	929.1	909.4	879.9	881.4	858.1	837.8	809.7
5°	1113.9	1107.9	1106.1	1084.0	1062.0	1026.4	982.6	975.4	932.7	881.1	822.3
7.5°	1197.2	1192.1	1196.0	1187.9	1166.1	1133.9	1078.4	1073.0	1007.0	928.8	842.3
10°	1159.0	1157.2	1173.6	1192.7	1210.3	1206.4	1161.9	1153.6	1079.6	981.4	862.9
12.5°	1056.3	1062.0	1082.8	1118.1	1172.4	1223.4	1216.3	1217.8	1153.6	1038.4	885.6
15°	996.0	1002.9	1014.8	1033.0	1099.9	1190.6	1236.9	1251.8	1224.6	1101.9	912.4
17.5°	990.9	996.6	998.4	1005.2	1044.3	1137.8	1228.5	1256.9	1287.9	1161.9	942.6
20°	1030.0	1032.4	1030.9	1025.8	1039.9	1109.1	1202.2	1242.8	1340.1	1225.8	969.1
22.5°	1103.7	1100.2	1095.7	1076.9	1076.0	1117.2	1187.9	1230.3	1371.2	1278.6	986.7
25°	1195.1	1187.6	1181.3	1154.8	1142.2	1159.3	1200.7	1234.8	1399.2	1330.0	999.3
27.5°	1294.8	1297.1	1281.6	1245.8	1226.1	1222.5	1240.4	1265.8	1426.4	1375.9	1006.1
30°	1401.3	1402.5	1382.2	1345.2	1327.3	1304.3	1303.1	1318.3	1455.6	1428.8	1012.7
32.5°	1522.8	1526.1	1492.9	1454.4	1423.1	1393.3	1378.6	1391.5	1508.2	1497.7	1026.1
35°	1698.3	1684.0	1639.2	1581.0	1536.5	1497.4	1475.0	1483.4	1578.0	1580.4	1053.0
37.5°	1879.2	1877.7	1828.1	1744.3	1671.4	1622.8	1584.6	1598.3	1676.2	1691.1	1096.0
40°	2047.8	2051.7	2008.7	1935.6	1841.9	1758.3	1717.4	1726.6	1806.6	1825.4	1148.2
42.5°	2157.9	2155.8	2159.1	2138.2	2044.2	1945.7	1884.2	1889.3	1958.3	1968.1	1213.6
45°	2208.7	2200.6	2228.7	2294.9	2257.6	2154.0	2083.9	2077.6	2115.5	2112.9	1273.0
47.5°	2164.8	2149.9	2214.3	2374.0	2446.2	2414.9	2314.6	2303.3	2271.0	2249.6	1334.8
50°	1946.6	1940.0	2077.9	2336.4	2564.7	2656.1	2582.4	2540.3	2409.8	2350.4	1367.3
52.5°	1739.2	1721.0	1814.1	2144.5	2511.9	2850.1	2865.3	2790.4	2525.0	2379.4	1356.2
55°	1404.9	1382.5	1484.0	1761.9	2302.7	2874.9	3064.1	3025.0	2625.9	2343.6	1333.9
57.5°	853.3	831.2	980.5	1261.9	1841.6	2668.9	3015.1	3054.8	2703.5	2304.2	1319.2
60°	358.8	344.7	403.2	602.3	1176.0	2193.4	2755.5	2854.6	2718.2	2250.2	1325.2
62.5°	186.5	180.3	183.6	241.2	475.5	1444.3	2293.4	2465.9	2570.7	2226.3	1331.2
65°	140.0	135.2	124.8	132.5	184.8	624.4	1648.1	1879.2	2251.1	2165.7	1290.9
67.5°	114.9	110.4	103.0	100.6	108.9	216.7	841.4	1141.6	1763.9	1907.5	1146.4
70°	91.6	90.1	87.7	83.3	81.8	105.1	301.8	465.3	1166.4	1345.2	830.9
72.5°	76.4	76.7	74.0	70.1	64.8	67.8	120.3	159.1	564.4	645.0	348.0
75°	63.9	63.9	64.8	59.4	54.0	46.6	66.9	77.6	181.2	148.9	74.3
77.5°	50.1	50.7	54.6	50.1	43.3	29.2	36.4	41.5	53.7	43.0	27.2
80°	40.0	39.4	37.9	45.1	38.8	20.6	17.3	19.1	25.1	20.6	13.4
82.5°	28.1	27.8	26.6	30.4	30.1	15.2	11.3	11.6	15.2	13.1	8.4
85°	6.9	8.1	17.0	14.3	12.5	9.0	6.9	7.5	9.8	8.7	4.5
87.5°	3.0	3.0	7.8	9.3	6.0	3.9	3.0	3.3	5.1	5.1	2.7
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°	797.2	797.2	797.2	797.2	797.2	797.2	797.2	797.2	797.2	797.2	797.2
2.5°	799.9	780.5	756.0	730.1	703.5	671.6	651.3	634.5	621.4	611.3	607.7
5°	802.9	765.6	710.1	641.1	571.0	505.3	454.6	417.0	385.9	368.9	361.4
7.5°	802.6	753.0	652.8	537.2	423.2	328.6	261.5	220.0	192.2	180.9	174.0
10°	802.3	736.6	587.4	422.0	282.9	190.4	140.3	117.0	106.9	103.0	102.4
12.5°	810.9	717.8	514.3	310.7	177.6	118.5	97.6	92.2	89.8	88.6	88.3
15°	815.7	700.5	437.3	219.4	119.7	93.7	87.2	84.8	83.9	83.3	83.0
17.5°	820.8	673.6	364.1	158.8	95.8	85.1	81.2	79.7	79.1	79.1	79.1
20°	821.7	644.7	291.6	117.0	85.1	79.4	75.5	74.0	73.1	72.5	72.5
22.5°	815.1	610.4	229.2	94.9	78.8	74.0	69.8	67.5	66.0	65.7	65.7
25°	798.7	561.7	175.8	83.3	73.7	68.6	63.6	60.9	59.7	59.7	59.7
27.5°	775.1	504.4	135.8	74.0	67.2	62.1	57.6	55.2	54.9	54.6	54.9
30°	748.3	449.2	103.9	65.7	59.4	55.2	51.6	50.4	51.0	51.0	51.3
32.5°	721.4	394.0	81.2	59.1	52.5	48.9	47.2	47.2	48.1	48.1	48.1
35°	698.4	340.0	68.1	53.7	47.8	44.8	43.9	44.8	45.4	45.7	45.7
37.5°	685.6	293.4	60.0	48.9	43.9	41.5	41.2	42.1	43.3	44.2	44.5
40°	680.8	257.6	55.2	45.4	40.3	38.8	38.5	39.7	41.8	43.3	43.6
42.5°	681.1	225.9	51.0	41.8	37.9	35.8	35.8	37.6	39.7	41.2	41.2
45°	683.2	198.8	46.9	38.2	35.8	32.2	32.5	34.9	36.4	37.9	37.9
47.5°	685.0	177.0	42.4	34.3	31.0	29.2	29.8	31.6	33.7	36.1	36.1
50°	674.5	161.5	37.9	30.1	27.2	26.6	27.8	29.2	32.2	34.6	34.9
52.5°	649.5	147.4	34.0	26.9	24.5	24.8	26.3	27.2	29.5	29.8	30.1
55°	638.4	140.3	31.0	24.5	22.4	23.3	24.2	24.5	23.9	22.4	22.4
57.5°	636.0	135.5	28.1	22.1	20.6	21.8	21.5	19.7	17.9	16.1	15.8
60°	638.4	128.9	25.7	19.1	18.8	19.1	18.2	14.9	12.5	11.3	10.7
62.5°	624.7	119.4	23.6	16.4	16.4	16.1	13.7	10.1	8.1	7.2	6.9
65°	579.3	100.6	21.5	13.7	13.4	12.8	9.3	6.9	5.4	4.5	4.2
67.5°	490.1	77.9	19.4	11.3	10.7	9.0	6.0	4.5	3.0	2.7	2.4
70°	334.3	48.4	16.4	9.0	8.1	5.7	3.6	2.7	1.8	1.5	1.2
72.5°	121.2	28.1	13.7	6.9	5.4	3.6	2.1	1.2	0.9	0.9	0.6
75°	28.7	19.7	10.4	5.1	3.6	2.1	1.2	0.9	0.6	0.6	0.3
77.5°	13.1	15.2	6.9	3.0	2.4	1.5	0.9	0.6	0.3	0.3	0.0
80°	7.5	10.7	3.3	2.1	1.8	1.2	0.6	0.3	0.3	0.0	0.0
82.5°	3.9	6.0	2.4	1.8	1.5	0.9	0.6	0.0	0.0	0.0	0.0
85°	2.7	3.0	1.8	1.5	1.2	0.9	0.6	0.0	0.0	0.0	0.0
87.5°	2.1	2.1	1.8	1.5	1.2	0.9	0.3	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)