

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: P674416

Luminaire Tested: **CCP-SA-1C-740-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674416
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-740-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

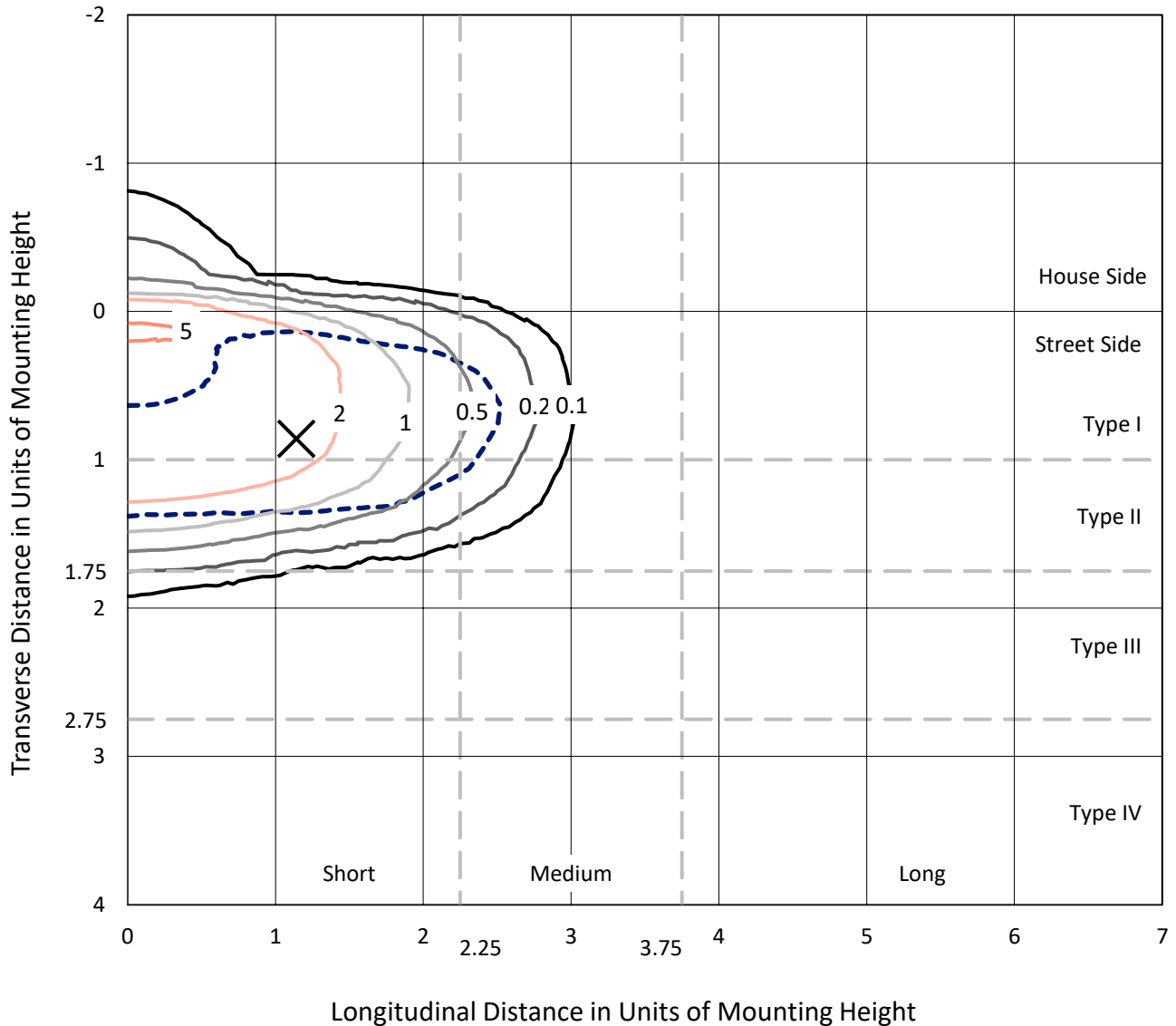
Lumens per Lamp: N/A
Luminaire Lumens: 3749.3 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 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

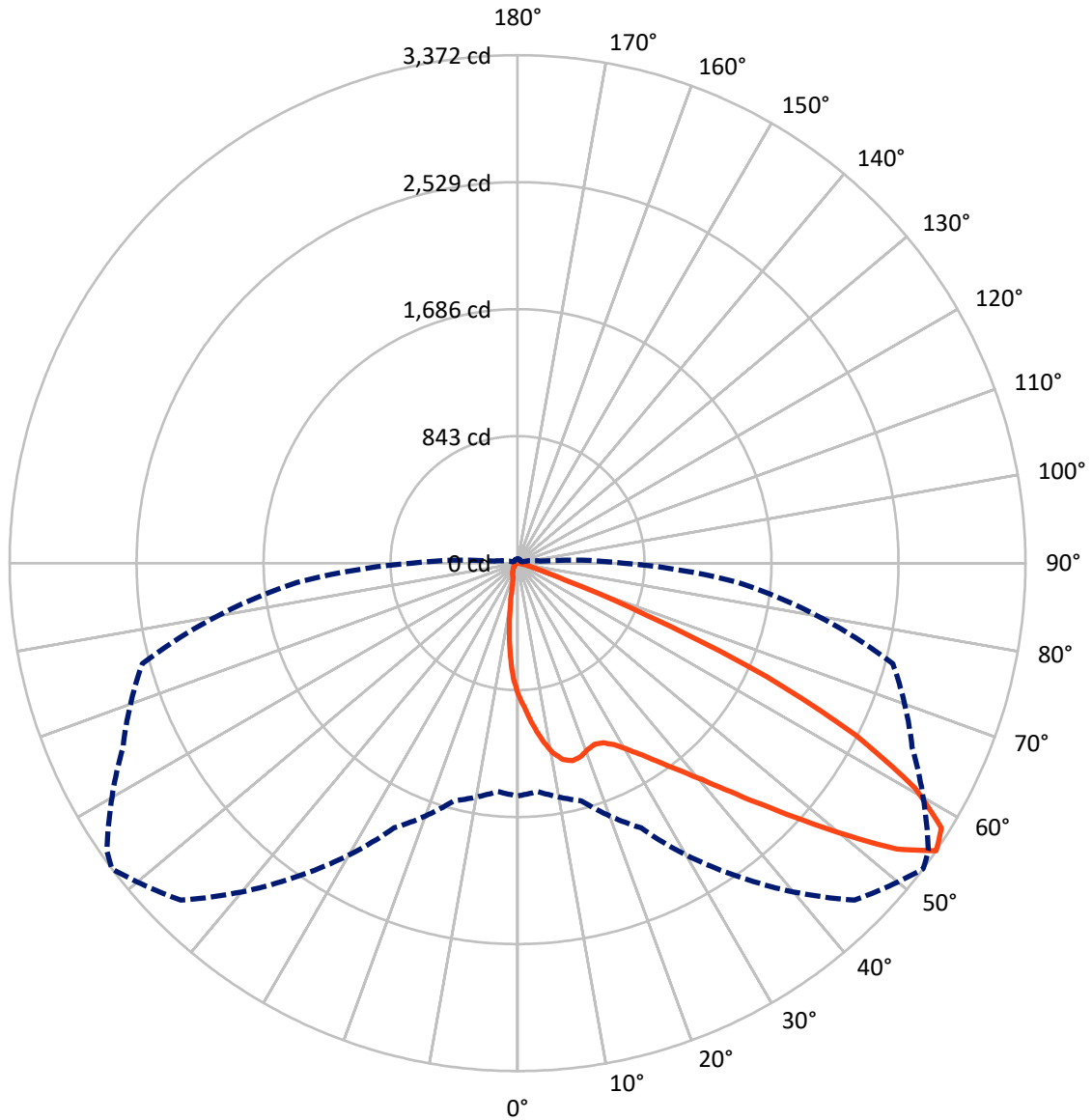
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.7 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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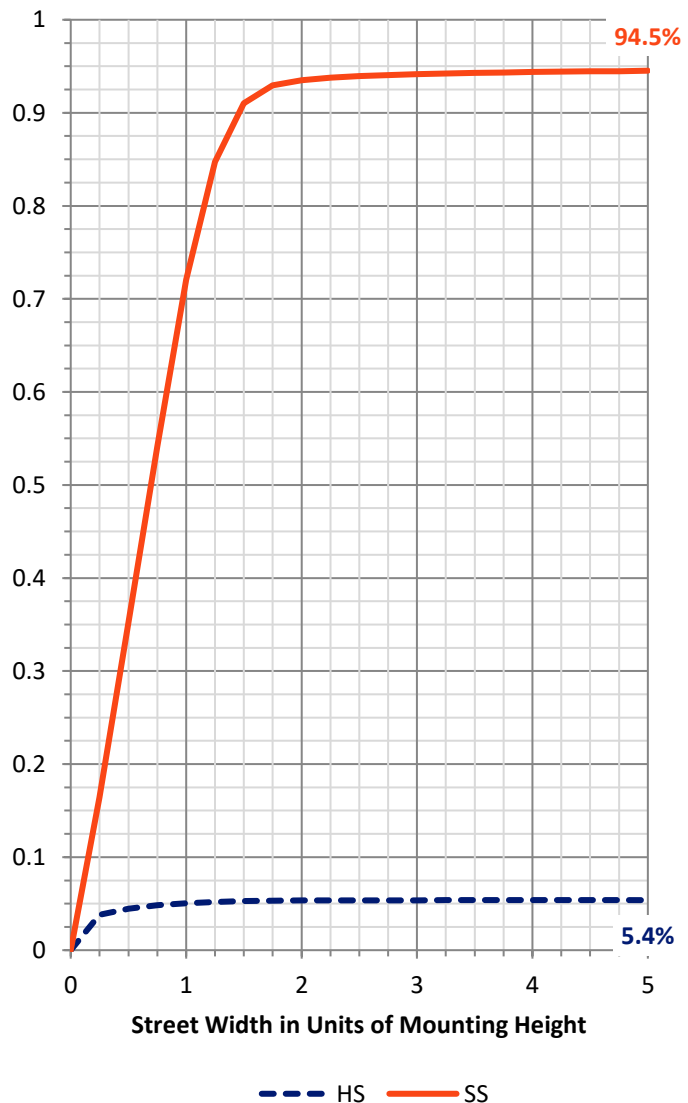
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	202.7	0.0	202.7
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	3546.6	0.0	3546.6
	% Fixture	94.6	0.0	94.6
Total	Lumens	3749.3	0.0	3749.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.4	2.1
10°-20°	205.0	5.5
20°-30°	343.1	9.2
30°-40°	561.3	15.0
40°-50°	902.2	24.1
50°-60°	1018.6	27.2
60°-70°	543.4	14.5
70°-80°	89.3	2.4
80°-90°	8.0	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°	3749.3	100.0
0°-180°	3749.3	100.0



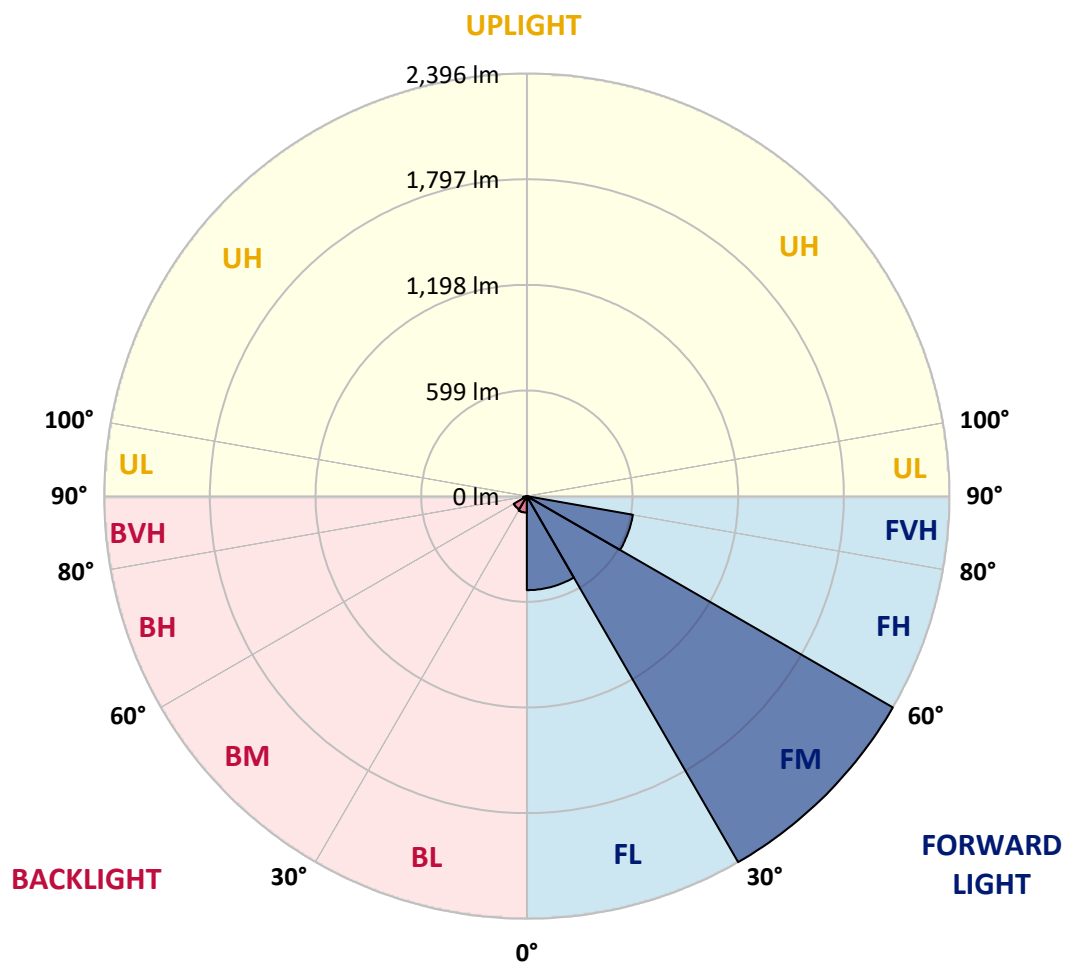
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	533.0	14.2			
FM (30°-60°)	2395.8	63.9			
FH (60°-80°)	610.5	16.3			G0/660
FVH (80°-90°)	7.3	0.2			G0/10
BL (0°-30°)	93.5	2.5	B0/110		
BM (30°-60°)	86.3	2.3	B0/220		
BH (60°-80°)	22.2	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°	877.4	877.4	877.4	877.4	877.4	877.4	877.4	877.4	877.4	877.4	877.4
2.5°	1052.2	1045.9	1049.6	1040.0	1022.6	1000.9	968.4	970.1	944.4	922.1	891.2
5°	1226.0	1219.4	1217.4	1193.1	1168.8	1129.7	1081.4	1073.5	1026.6	969.7	905.0
7.5°	1317.6	1312.0	1316.3	1307.4	1283.4	1248.0	1186.9	1181.0	1108.4	1022.3	927.0
10°	1275.6	1273.6	1291.7	1312.7	1332.1	1327.8	1278.8	1269.6	1188.2	1080.1	949.7
12.5°	1162.6	1168.8	1191.8	1230.6	1290.3	1346.5	1338.6	1340.3	1269.6	1142.8	974.7
15°	1096.2	1103.8	1116.9	1136.9	1210.5	1310.4	1361.3	1377.7	1347.8	1212.8	1004.2
17.5°	1090.6	1096.9	1098.8	1106.4	1149.4	1252.2	1352.1	1383.3	1417.5	1278.8	1037.4
20°	1133.7	1136.3	1134.6	1129.1	1144.5	1220.7	1323.2	1367.9	1475.0	1349.1	1066.6
22.5°	1214.8	1210.8	1205.9	1185.2	1184.2	1229.6	1307.4	1354.1	1509.1	1407.3	1086.0
25°	1315.3	1307.1	1300.2	1271.0	1257.2	1275.9	1321.6	1359.0	1540.0	1463.8	1099.8
27.5°	1425.0	1427.7	1410.6	1371.2	1349.5	1345.5	1365.2	1393.2	1569.9	1514.4	1107.4
30°	1542.3	1543.6	1521.3	1480.5	1460.8	1435.5	1434.2	1451.0	1602.1	1572.5	1114.6
32.5°	1676.0	1679.6	1643.2	1600.8	1566.3	1533.4	1517.3	1531.5	1659.9	1648.4	1129.4
35°	1869.2	1853.4	1804.1	1740.1	1691.1	1648.1	1623.4	1632.6	1736.8	1739.4	1158.9
37.5°	2068.2	2066.6	2012.1	1919.8	1839.6	1786.1	1744.0	1759.1	1844.9	1861.3	1206.2
40°	2253.8	2258.1	2210.8	2130.3	2027.2	1935.2	1890.2	1900.4	1988.4	2009.1	1263.7
42.5°	2375.1	2372.8	2376.4	2353.4	2249.9	2141.5	2073.8	2079.4	2155.3	2166.1	1335.7
45°	2430.9	2422.0	2452.9	2525.8	2484.8	2370.8	2293.6	2286.7	2328.4	2325.4	1401.0
47.5°	2382.6	2366.2	2437.1	2612.9	2692.4	2657.9	2547.5	2535.0	2499.6	2475.9	1469.0
50°	2142.5	2135.2	2287.0	2571.5	2822.8	2923.3	2842.2	2795.9	2652.3	2586.9	1504.9
52.5°	1914.2	1894.1	1996.6	2360.3	2764.7	3136.8	3153.6	3071.1	2779.1	2618.8	1492.7
55°	1546.2	1521.6	1633.3	1939.1	2534.4	3164.1	3372.4	3329.3	2890.1	2579.4	1468.1
57.5°	939.2	914.9	1079.1	1388.9	2026.8	2937.4	3318.5	3362.2	2975.5	2536.0	1452.0
60°	394.9	379.4	443.8	662.9	1294.3	2414.1	3032.7	3141.8	2991.6	2476.6	1458.5
62.5°	205.3	198.4	202.0	265.4	523.3	1589.6	2524.2	2714.1	2829.4	2450.3	1465.1
65°	154.1	148.8	137.3	145.9	203.3	687.2	1814.0	2068.2	2477.5	2383.6	1420.8
67.5°	126.5	121.5	113.3	110.7	119.9	238.5	926.0	1256.5	1941.4	2099.4	1261.8
70°	100.8	99.2	96.6	91.7	90.0	115.6	332.1	512.1	1283.8	1480.5	914.5
72.5°	84.1	84.4	81.5	77.2	71.3	74.6	132.4	175.1	621.2	709.9	383.0
75°	70.3	70.3	71.3	65.4	59.5	51.2	73.6	85.4	199.4	163.9	81.8
77.5°	55.2	55.8	60.1	55.2	47.6	32.2	40.1	45.7	59.1	47.3	29.9
80°	44.0	43.4	41.7	49.6	42.7	22.7	19.1	21.0	27.6	22.7	14.8
82.5°	30.9	30.6	29.2	33.5	33.2	16.8	12.5	12.8	16.8	14.5	9.2
85°	7.6	8.9	18.7	15.8	13.8	9.9	7.6	8.2	10.8	9.5	4.9
87.5°	3.3	3.3	8.5	10.2	6.6	4.3	3.3	3.6	5.6	5.6	3.0
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°	877.4	877.4	877.4	877.4	877.4	877.4	877.4	877.4	877.4	877.4	877.4
2.5°	880.4	859.0	832.1	803.5	774.3	739.1	716.8	698.4	683.9	672.8	668.8
5°	883.7	842.6	781.5	705.6	628.4	556.1	500.3	458.9	424.7	406.0	397.8
7.5°	883.3	828.8	718.4	591.3	465.8	361.7	287.8	242.1	211.6	199.1	191.5
10°	883.0	810.7	646.5	464.5	311.4	209.6	154.4	128.8	117.6	113.3	112.7
12.5°	892.5	790.0	566.0	342.0	195.5	130.4	107.4	101.5	98.9	97.6	97.2
15°	897.8	771.0	481.3	241.4	131.7	103.1	95.9	93.3	92.3	91.7	91.3
17.5°	903.4	741.4	400.8	174.8	105.4	93.6	89.4	87.7	87.1	87.1	87.1
20°	904.4	709.6	320.9	128.8	93.6	87.4	83.1	81.5	80.5	79.8	79.8
22.5°	897.1	671.8	252.3	104.5	86.7	81.5	76.9	74.2	72.6	72.3	72.3
25°	879.1	618.2	193.5	91.7	81.1	75.6	70.0	67.0	65.7	65.7	65.7
27.5°	853.1	555.2	149.5	81.5	73.9	68.3	63.4	60.8	60.4	60.1	60.4
30°	823.5	494.4	114.3	72.3	65.4	60.8	56.8	55.5	56.2	56.2	56.5
32.5°	794.0	433.6	89.4	65.0	57.8	53.9	51.9	51.9	52.9	52.9	52.9
35°	768.7	374.2	74.9	59.1	52.6	49.3	48.3	49.3	49.9	50.3	50.3
37.5°	754.6	322.9	66.0	53.9	48.3	45.7	45.3	46.3	47.6	48.6	48.9
40°	749.3	283.5	60.8	49.9	44.3	42.7	42.4	43.7	46.0	47.6	48.0
42.5°	749.6	248.7	56.2	46.0	41.7	39.4	39.4	41.4	43.7	45.3	45.3
45°	751.9	218.8	51.6	42.0	39.4	35.5	35.8	38.4	40.1	41.7	41.7
47.5°	753.9	194.8	46.6	37.8	34.2	32.2	32.8	34.8	37.1	39.7	39.7
50°	742.4	177.7	41.7	33.2	29.9	29.2	30.6	32.2	35.5	38.1	38.4
52.5°	714.8	162.3	37.4	29.6	26.9	27.3	28.9	29.9	32.5	32.8	33.2
55°	702.7	154.4	34.2	26.9	24.6	25.6	26.6	26.9	26.3	24.6	24.6
57.5°	700.0	149.1	30.9	24.3	22.7	24.0	23.7	21.7	19.7	17.7	17.4
60°	702.7	141.9	28.3	21.0	20.7	21.0	20.0	16.4	13.8	12.5	11.8
62.5°	687.5	131.4	26.0	18.1	18.1	17.7	15.1	11.2	8.9	7.9	7.6
65°	637.6	110.7	23.7	15.1	14.8	14.1	10.2	7.6	5.9	4.9	4.6
67.5°	539.4	85.7	21.4	12.5	11.8	9.9	6.6	4.9	3.3	3.0	2.6
70°	367.9	53.2	18.1	9.9	8.9	6.2	3.9	3.0	2.0	1.6	1.3
72.5°	133.4	30.9	15.1	7.6	5.9	3.9	2.3	1.3	1.0	1.0	0.7
75°	31.5	21.7	11.5	5.6	3.9	2.3	1.3	1.0	0.7	0.7	0.3
77.5°	14.5	16.8	7.6	3.3	2.6	1.6	1.0	0.7	0.3	0.3	0.0
80°	8.2	11.8	3.6	2.3	2.0	1.3	0.7	0.3	0.3	0.0	0.0
82.5°	4.3	6.6	2.6	2.0	1.6	1.0	0.7	0.0	0.0	0.0	0.0
85°	3.0	3.3	2.0	1.6	1.3	1.0	0.7	0.0	0.0	0.0	0.0
87.5°	2.3	2.3	2.0	1.6	1.3	1.0	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)