

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: P674418

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674418  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-740-U-AFL-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ AFL distribution lens and House Side Shield  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

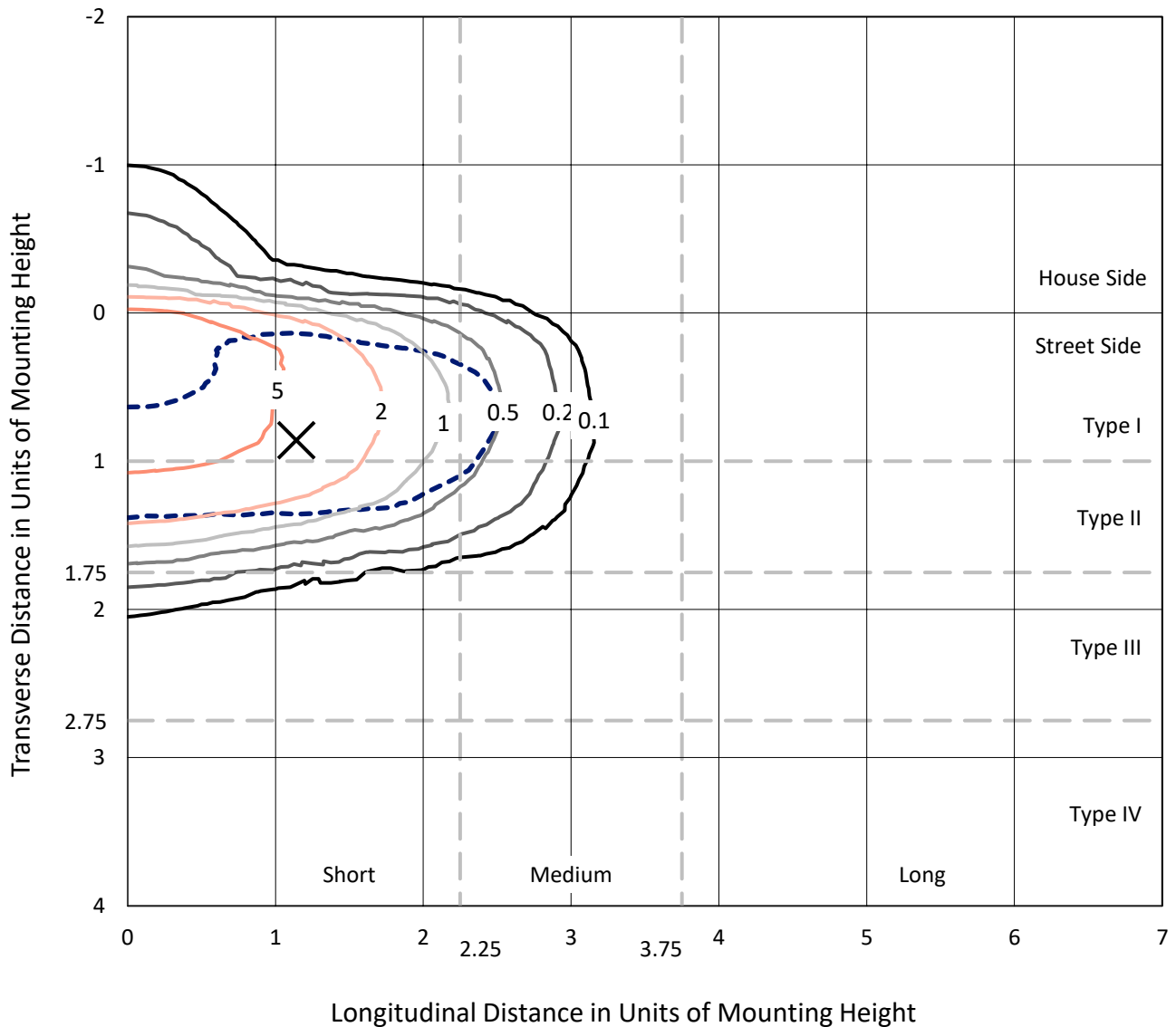
Lumens per Lamp: N/A  
Luminaire Lumens: 5669.7 lumens  
Efficiency: N/A  
Efficacy: 101.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1  
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

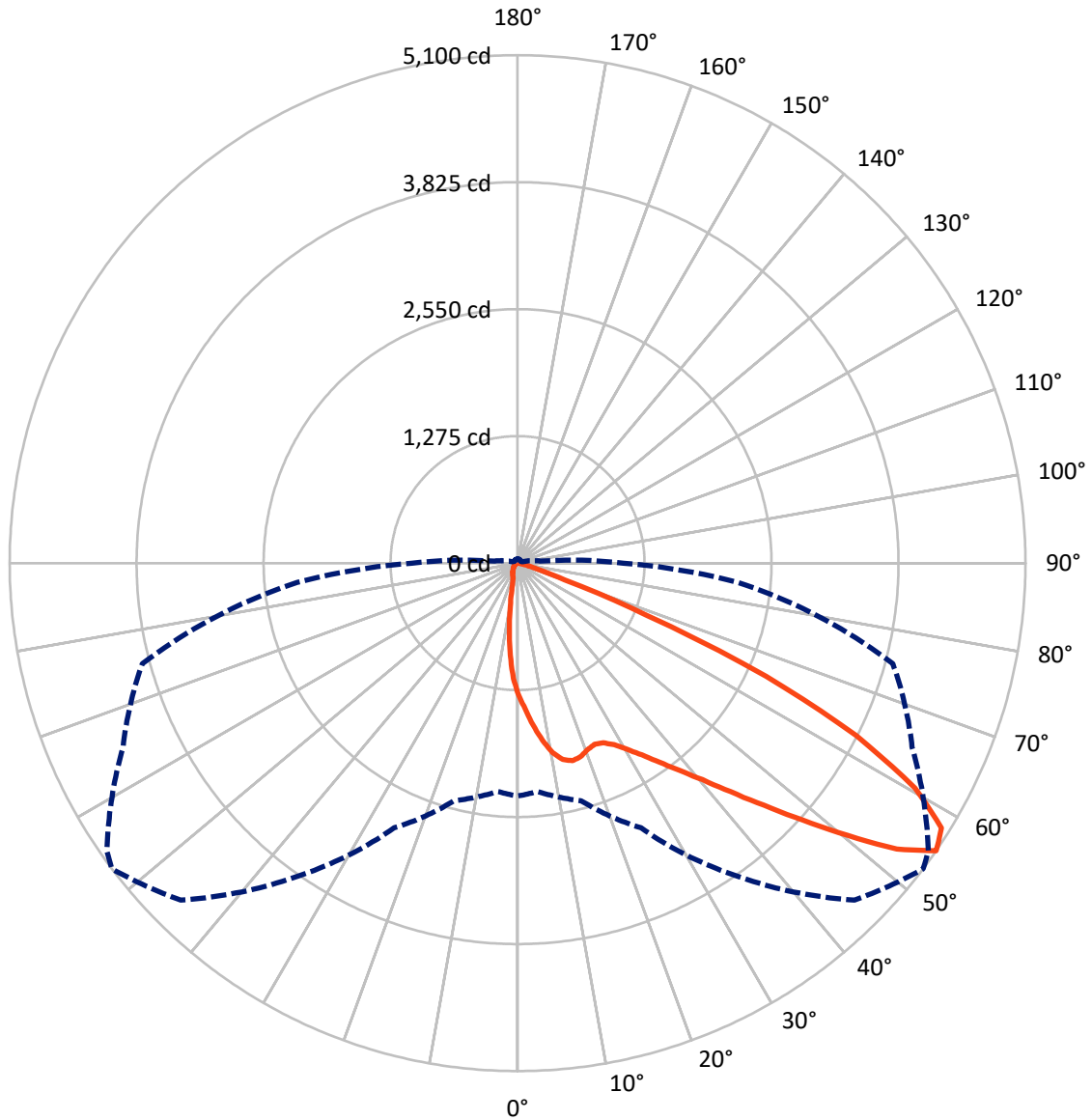
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.6 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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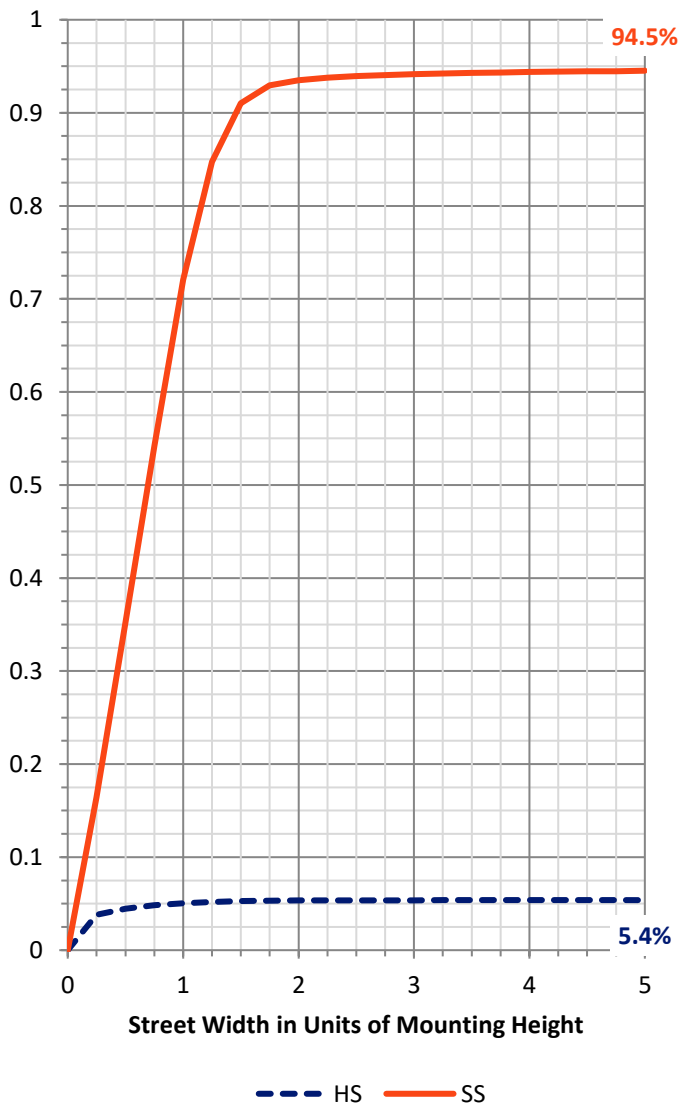
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	306.5	0.0	306.5
	% Fixture	5.4	0.0	5.4
<b>Street Side</b>	Lumens	5363.2	0.0	5363.2
	% Fixture	94.6	0.0	94.6
<b>Total</b>	Lumens	5669.7	0.0	5669.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.6	2.1
10°-20°	310.0	5.5
20°-30°	518.8	9.2
30°-40°	848.8	15.0
40°-50°	1364.4	24.1
50°-60°	1540.4	27.2
60°-70°	821.7	14.5
70°-80°	135.0	2.4
80°-90°	12.1	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°	5669.7	100.0
0°-180°	5669.7	100.0



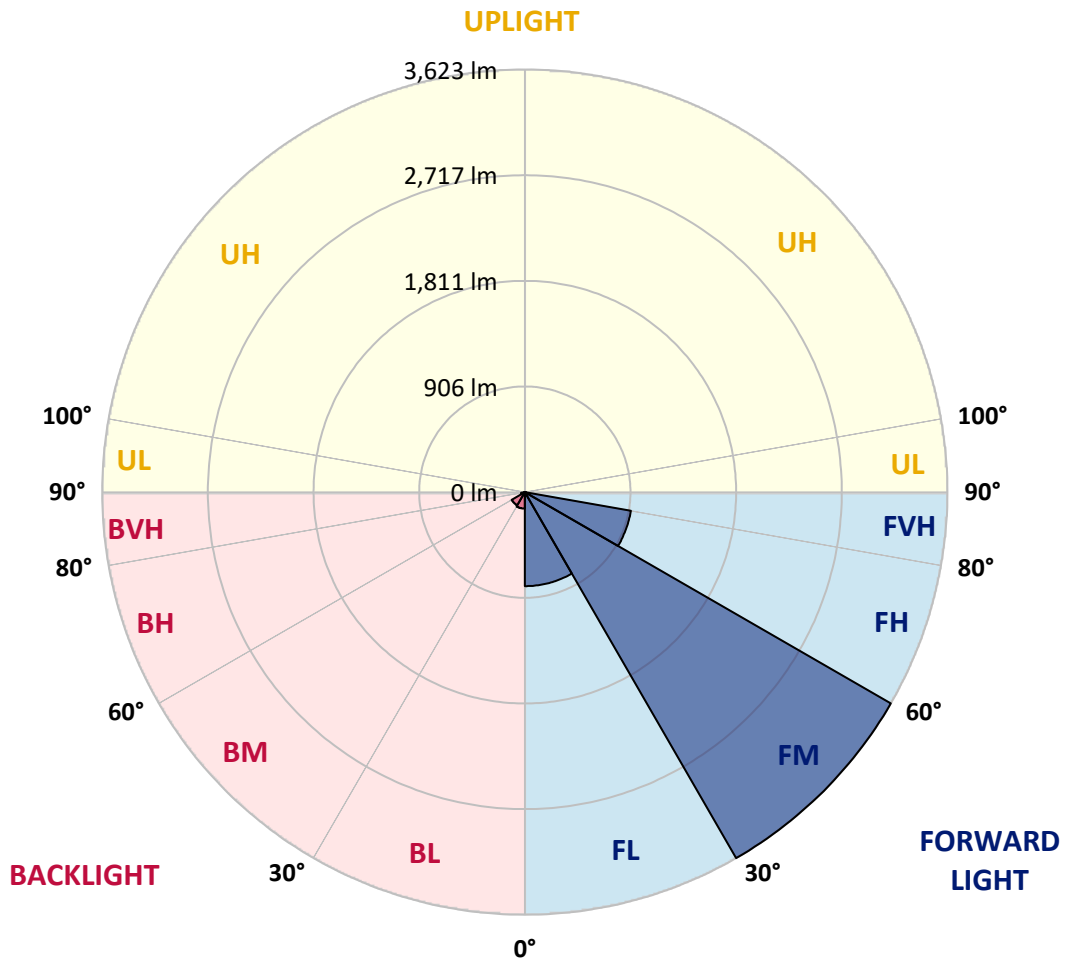
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	806.0	14.2			
FM (30°-60°)	3623.0	63.9			
FH (60°-80°)	923.2	16.3			G1/1800
FVH (80°-90°)	11.1	0.2			G1/100
BL (0°-30°)	141.4	2.5	B1/500		
BM (30°-60°)	130.6	2.3	B0/220		
BH (60°-80°)	33.5	0.6	B0/110		G0/110
BVH (80°-90°)	1.0	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1326.8	1326.8	1326.8	1326.8	1326.8	1326.8	1326.8	1326.8	1326.8	1326.8	1326.8
2.5°	1591.1	1581.7	1587.1	1572.7	1546.4	1513.6	1464.4	1466.9	1428.2	1394.4	1347.7
5°	1853.9	1844.0	1841.0	1804.2	1767.5	1708.3	1635.3	1623.4	1552.4	1466.4	1368.6
7.5°	1992.5	1984.0	1990.5	1977.1	1940.8	1887.2	1794.8	1785.8	1676.1	1545.9	1401.8
10°	1928.9	1925.9	1953.2	1985.0	2014.3	2007.9	1933.9	1920.0	1796.8	1633.3	1436.1
12.5°	1758.0	1767.5	1802.2	1860.8	1951.3	2036.2	2024.3	2026.8	1920.0	1728.2	1473.9
15°	1657.7	1669.1	1689.0	1719.3	1830.5	1981.6	2058.6	2083.4	2038.2	1834.0	1518.6
17.5°	1649.2	1658.7	1661.6	1673.1	1738.1	1893.6	2044.6	2091.8	2143.5	1933.9	1568.8
20°	1714.3	1718.3	1715.8	1707.3	1730.7	1845.9	2000.9	2068.5	2230.4	2040.2	1613.0
22.5°	1837.0	1831.0	1823.6	1792.3	1790.8	1859.4	1977.1	2047.6	2282.1	2128.1	1642.3
25°	1989.0	1976.6	1966.2	1921.9	1901.1	1929.4	1998.4	2055.1	2328.8	2213.5	1663.1
27.5°	2154.9	2158.9	2133.1	2073.5	2040.7	2034.7	2064.5	2106.7	2374.0	2290.0	1674.6
30°	2332.3	2334.3	2300.5	2238.9	2209.1	2170.8	2168.8	2194.2	2422.7	2378.0	1685.5
32.5°	2534.4	2539.9	2484.8	2420.7	2368.5	2318.9	2294.5	2315.9	2510.1	2492.7	1707.8
35°	2826.5	2802.7	2728.2	2631.3	2557.3	2492.2	2455.0	2468.9	2626.3	2630.3	1752.6
37.5°	3127.6	3125.1	3042.6	2903.0	2781.8	2700.9	2637.3	2660.1	2789.8	2814.6	1824.1
40°	3408.2	3414.7	3343.2	3221.5	3065.5	2926.4	2858.3	2873.7	3006.9	3038.2	1911.0
42.5°	3591.5	3588.1	3593.5	3558.8	3402.3	3238.3	3136.0	3144.5	3259.2	3275.6	2019.8
45°	3676.0	3662.6	3709.3	3819.5	3757.5	3585.1	3468.3	3457.9	3521.0	3516.5	2118.7
47.5°	3603.0	3578.1	3685.4	3951.2	4071.4	4019.2	3852.3	3833.5	3779.8	3744.0	2221.5
50°	3239.8	3228.9	3458.4	3888.6	4268.6	4420.6	4297.9	4227.9	4010.8	3911.9	2275.6
52.5°	2894.6	2864.3	3019.3	3569.2	4180.7	4743.5	4768.8	4644.2	4202.5	3960.1	2257.3
55°	2338.2	2301.0	2469.9	2932.3	3832.5	4784.7	5099.7	5034.6	4370.5	3900.5	2220.0
57.5°	1420.2	1383.5	1631.8	2100.3	3065.0	4442.0	5018.2	5084.3	4499.6	3834.9	2195.7
60°	597.1	573.8	671.1	1002.5	1957.2	3650.7	4586.0	4751.0	4523.9	3745.0	2205.6
62.5°	310.5	300.0	305.5	401.4	791.3	2403.8	3817.1	4104.2	4278.6	3705.3	2215.5
65°	233.0	225.0	207.6	220.6	307.5	1039.2	2743.1	3127.6	3746.5	3604.5	2148.5
67.5°	191.3	183.8	171.4	167.4	181.3	360.6	1400.4	1900.1	2935.8	3174.8	1908.0
70°	152.5	150.0	146.0	138.6	136.1	174.9	502.2	774.4	1941.3	2238.9	1383.0
72.5°	127.2	127.7	123.2	116.7	107.8	112.8	200.2	264.8	939.4	1073.5	579.2
75°	106.3	106.3	107.8	98.9	89.9	77.5	111.3	129.2	301.5	247.9	123.7
77.5°	83.5	84.4	90.9	83.5	72.0	48.7	60.6	69.0	89.4	71.5	45.2
80°	66.6	65.6	63.1	75.0	64.6	34.3	28.8	31.8	41.7	34.3	22.4
82.5°	46.7	46.2	44.2	50.7	50.2	25.3	18.9	19.4	25.3	21.9	13.9
85°	11.4	13.4	28.3	23.8	20.9	14.9	11.4	12.4	16.4	14.4	7.5
87.5°	5.0	5.0	12.9	15.4	9.9	6.5	5.0	5.5	8.4	8.4	4.5
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°	1326.8	1326.8	1326.8	1326.8	1326.8	1326.8	1326.8	1326.8	1326.8	1326.8	1326.8
2.5°	1331.3	1299.0	1258.3	1215.1	1170.9	1117.7	1083.9	1056.1	1034.2	1017.4	1011.4
5°	1336.3	1274.2	1181.8	1067.0	950.3	841.0	756.6	694.0	642.3	614.0	601.6
7.5°	1335.8	1253.3	1086.4	894.2	704.4	546.9	435.2	366.1	319.9	301.0	289.6
10°	1335.3	1226.0	977.6	702.4	470.9	316.9	233.5	194.7	177.8	171.4	170.4
12.5°	1349.7	1194.7	855.9	517.1	295.6	197.2	162.4	153.5	149.5	147.5	147.0
15°	1357.6	1165.9	727.7	365.1	199.2	156.0	145.1	141.1	139.6	138.6	138.1
17.5°	1366.1	1121.2	606.0	264.3	159.5	141.6	135.1	132.6	131.6	131.6	131.6
20°	1367.6	1073.0	485.3	194.7	141.6	132.1	125.7	123.2	121.7	120.7	120.7
22.5°	1356.6	1015.9	381.5	158.0	131.1	123.2	116.2	112.3	109.8	109.3	109.3
25°	1329.3	934.9	292.6	138.6	122.7	114.3	105.8	101.3	99.4	99.4	99.4
27.5°	1290.1	839.5	226.0	123.2	111.8	103.3	95.9	91.9	91.4	90.9	91.4
30°	1245.4	747.6	172.9	109.3	98.9	91.9	85.9	84.0	84.9	84.9	85.4
32.5°	1200.7	655.7	135.1	98.4	87.4	81.5	78.5	78.5	80.0	80.0	80.0
35°	1162.4	565.8	113.3	89.4	79.5	74.5	73.0	74.5	75.5	76.0	76.0
37.5°	1141.0	488.3	99.8	81.5	73.0	69.0	68.6	70.0	72.0	73.5	74.0
40°	1133.1	428.7	91.9	75.5	67.1	64.6	64.1	66.1	69.5	72.0	72.5
42.5°	1133.6	376.0	84.9	69.5	63.1	59.6	59.6	62.6	66.1	68.6	68.6
45°	1137.1	330.8	78.0	63.6	59.6	53.6	54.1	58.1	60.6	63.1	63.1
47.5°	1140.1	294.6	70.5	57.1	51.7	48.7	49.7	52.7	56.1	60.1	60.1
50°	1122.7	268.7	63.1	50.2	45.2	44.2	46.2	48.7	53.6	57.6	58.1
52.5°	1080.9	245.4	56.6	44.7	40.7	41.2	43.7	45.2	49.2	49.7	50.2
55°	1062.6	233.5	51.7	40.7	37.3	38.7	40.2	40.7	39.7	37.3	37.3
57.5°	1058.6	225.5	46.7	36.8	34.3	36.3	35.8	32.8	29.8	26.8	26.3
60°	1062.6	214.6	42.7	31.8	31.3	31.8	30.3	24.8	20.9	18.9	17.9
62.5°	1039.7	198.7	39.2	27.3	27.3	26.8	22.9	16.9	13.4	11.9	11.4
65°	964.2	167.4	35.8	22.9	22.4	21.4	15.4	11.4	8.9	7.5	7.0
67.5°	815.7	129.7	32.3	18.9	17.9	14.9	9.9	7.5	5.0	4.5	4.0
70°	556.4	80.5	27.3	14.9	13.4	9.4	6.0	4.5	3.0	2.5	2.0
72.5°	201.7	46.7	22.9	11.4	8.9	6.0	3.5	2.0	1.5	1.5	1.0
75°	47.7	32.8	17.4	8.4	6.0	3.5	2.0	1.5	1.0	1.0	0.5
77.5°	21.9	25.3	11.4	5.0	4.0	2.5	1.5	1.0	0.5	0.5	0.0
80°	12.4	17.9	5.5	3.5	3.0	2.0	1.0	0.5	0.5	0.0	0.0
82.5°	6.5	9.9	4.0	3.0	2.5	1.5	1.0	0.0	0.0	0.0	0.0
85°	4.5	5.0	3.0	2.5	2.0	1.5	1.0	0.0	0.0	0.0	0.0
87.5°	3.5	3.5	3.0	2.5	2.0	1.5	0.5	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)