

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: P674386

Luminaire Tested: **CCP-SA-1F-727-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674386
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-727-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

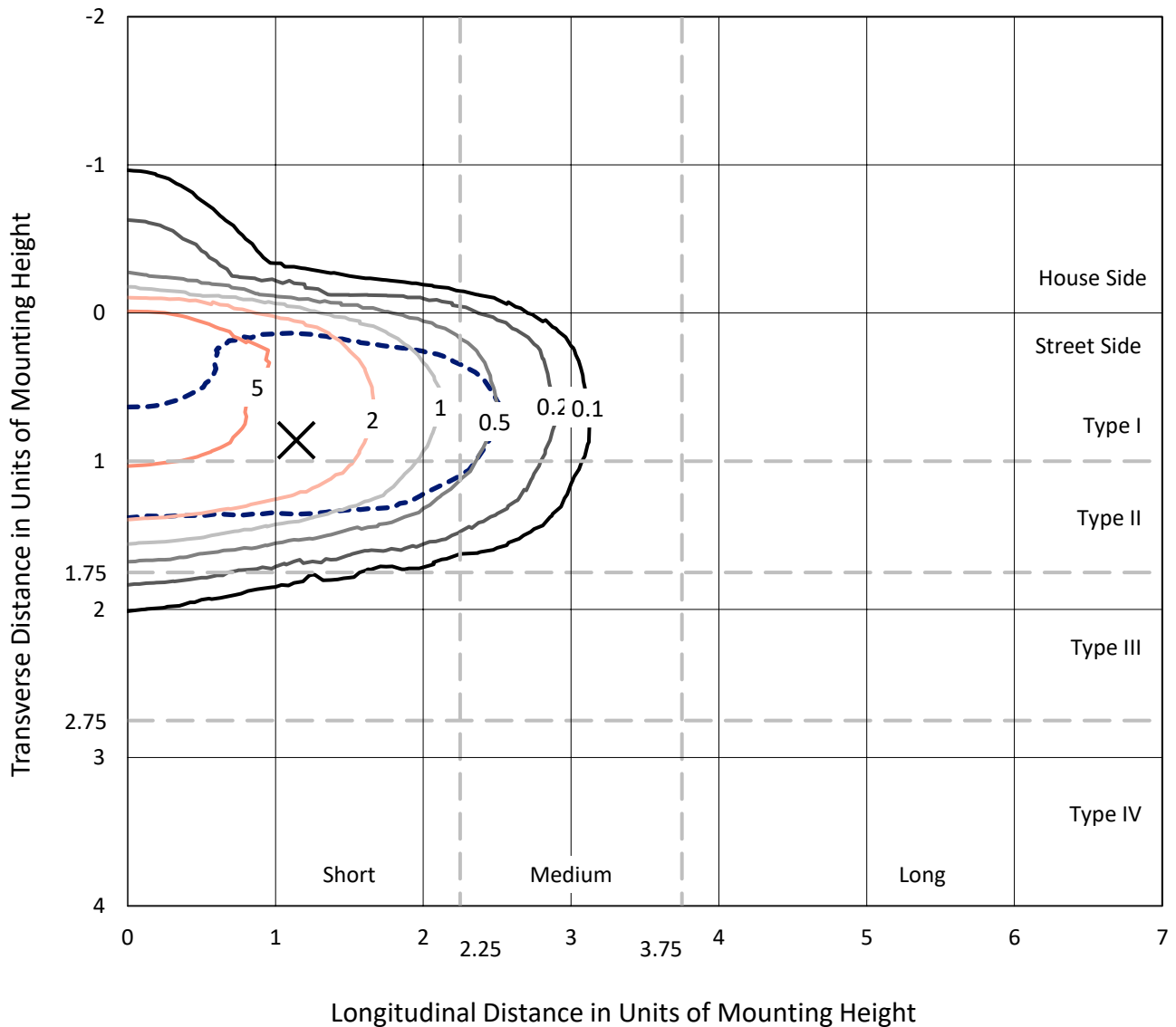
Lumens per Lamp: N/A
Luminaire Lumens: 5199.7 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 67
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

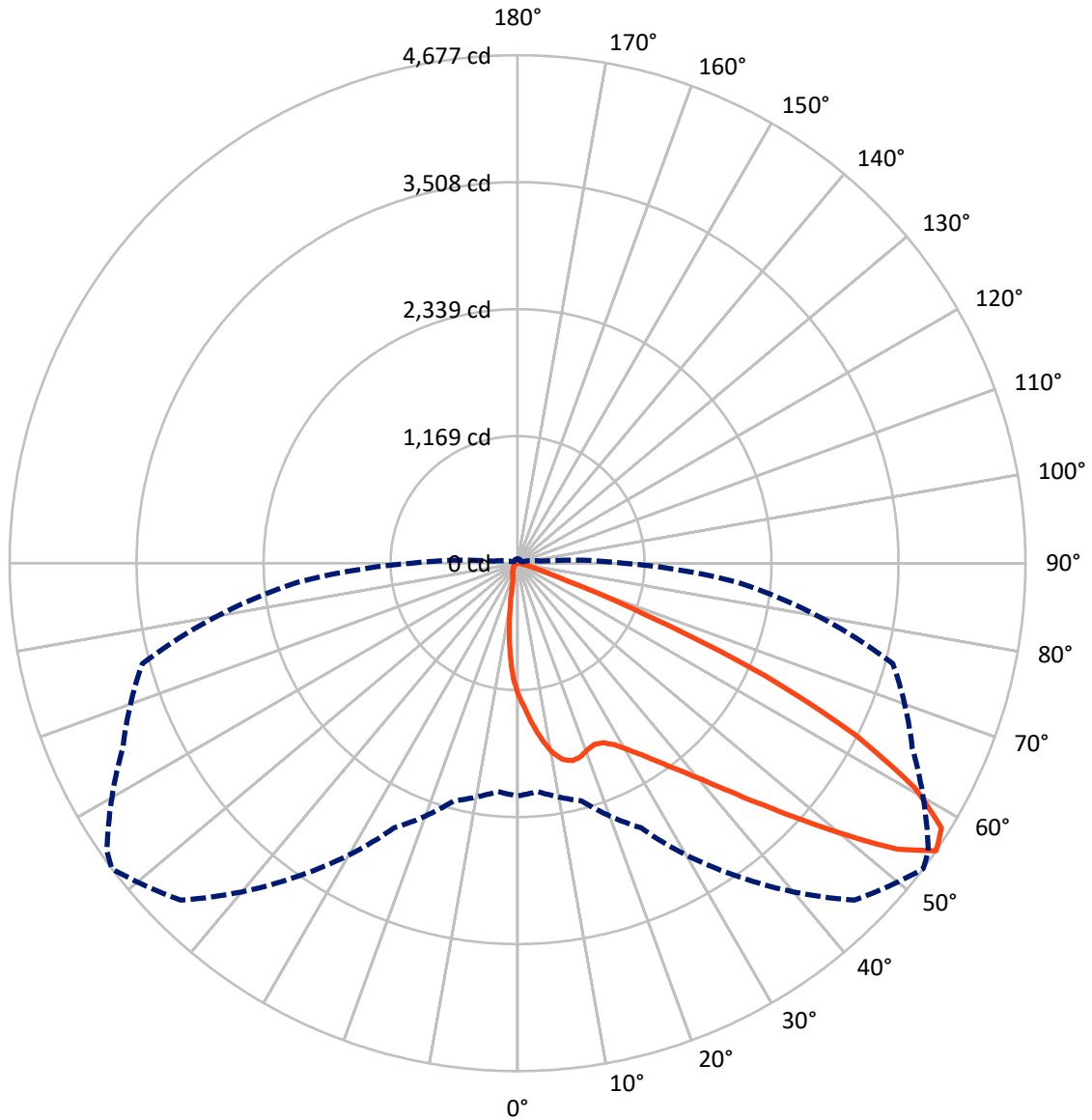
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.9 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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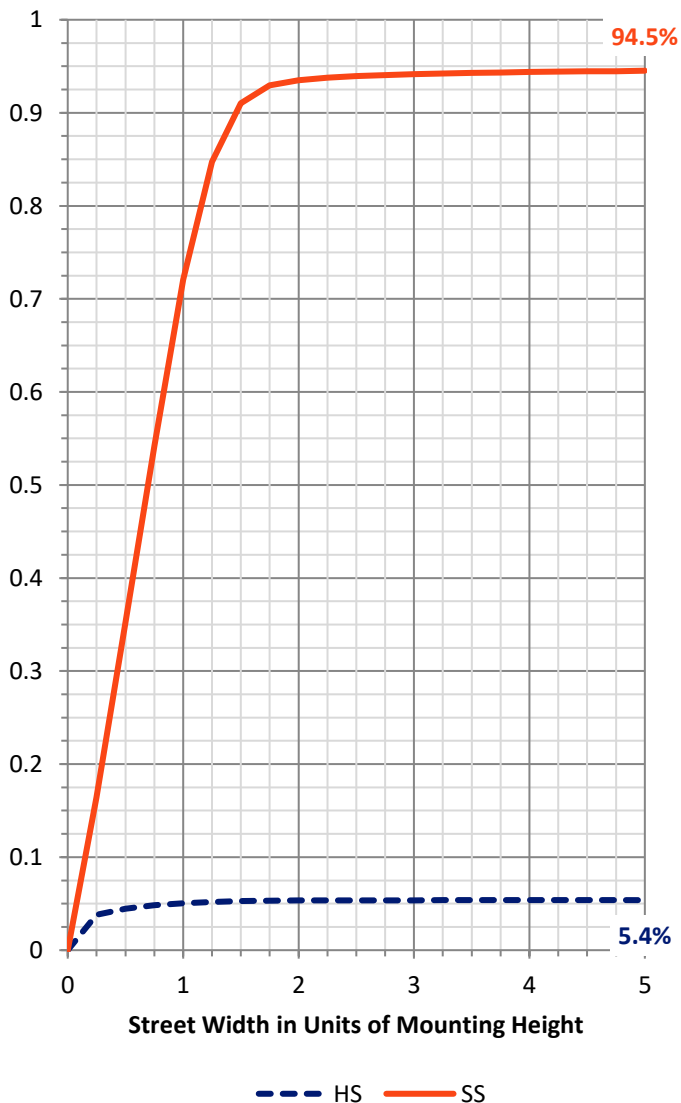
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	281.1	0.0	281.1
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	4918.6	0.0	4918.6
	% Fixture	94.6	0.0	94.6
Total	Lumens	5199.7	0.0	5199.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.8	2.1
10°-20°	284.3	5.5
20°-30°	475.8	9.2
30°-40°	778.4	15.0
40°-50°	1251.3	24.1
50°-60°	1412.7	27.2
60°-70°	753.6	14.5
70°-80°	123.8	2.4
80°-90°	11.1	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°	5199.7	100.0
0°-180°	5199.7	100.0



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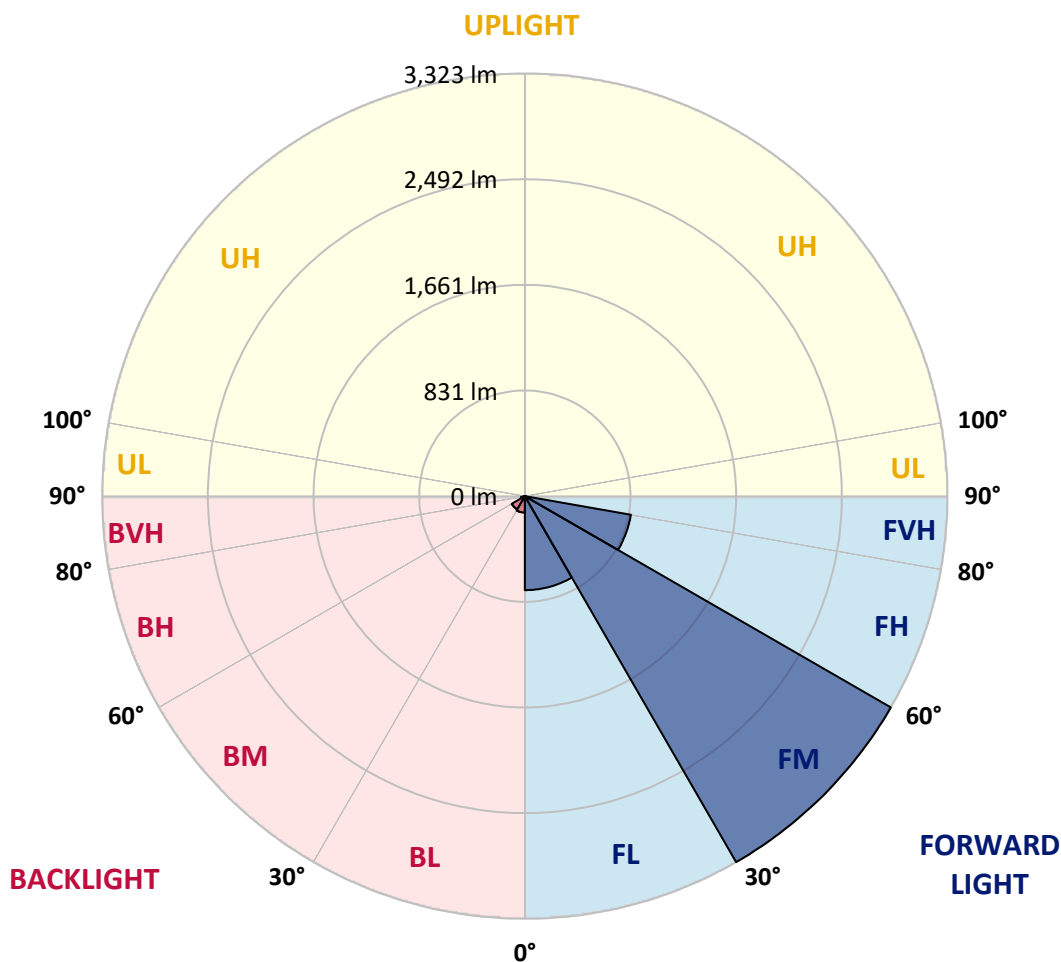
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	739.2	14.2			
FM (30°-60°)	3322.6	63.9			
FH (60°-80°)	846.6	16.3			G1/1800
FVH (80°-90°)	10.2	0.2			G1/100
BL (0°-30°)	129.7	2.5	B1/500		
BM (30°-60°)	119.7	2.3	B0/220		
BH (60°-80°)	30.7	0.6	B0/110		G0/110
BVH (80°-90°)	0.9	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°	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9
2.5°	1459.2	1450.6	1455.6	1442.4	1418.2	1388.1	1343.0	1345.3	1309.8	1278.8	1236.0
5°	1700.2	1691.1	1688.4	1654.7	1620.9	1566.7	1499.8	1488.8	1423.7	1344.9	1255.1
7.5°	1827.3	1819.6	1825.5	1813.2	1779.9	1730.7	1646.0	1637.8	1537.1	1417.8	1285.6
10°	1769.0	1766.3	1791.3	1820.5	1847.4	1841.4	1773.6	1760.8	1647.8	1497.9	1317.1
12.5°	1612.3	1620.9	1652.8	1706.6	1789.5	1867.4	1856.5	1858.8	1760.8	1585.0	1351.7
15°	1520.3	1530.7	1549.0	1576.8	1678.8	1817.3	1887.9	1910.7	1869.2	1682.0	1392.7
17.5°	1512.5	1521.2	1523.9	1534.4	1594.1	1736.7	1875.2	1918.4	1965.8	1773.6	1438.7
20°	1572.2	1575.8	1573.6	1565.8	1587.2	1692.9	1835.1	1897.0	2045.5	1871.1	1479.3
22.5°	1684.7	1679.3	1672.4	1643.7	1642.4	1705.2	1813.2	1877.9	2092.9	1951.7	1506.1
25°	1824.1	1812.7	1803.2	1762.6	1743.5	1769.5	1832.8	1884.7	2135.8	2030.1	1525.3
27.5°	1976.3	1979.9	1956.3	1901.6	1871.5	1866.1	1893.4	1932.1	2177.2	2100.2	1535.8
30°	2138.9	2140.8	2109.8	2053.3	2026.0	1990.9	1989.1	2012.3	2221.9	2180.9	1545.8
32.5°	2324.4	2329.4	2278.8	2220.0	2172.2	2126.6	2104.3	2123.9	2302.0	2286.1	1566.3
35°	2592.2	2570.4	2502.0	2413.2	2345.3	2285.6	2251.5	2264.2	2408.6	2412.3	1607.3
37.5°	2868.3	2866.0	2790.4	2662.4	2551.2	2477.0	2418.7	2439.6	2558.5	2581.3	1672.9
40°	3125.7	3131.6	3066.0	2954.4	2811.4	2683.8	2621.4	2635.5	2757.6	2786.3	1752.6
42.5°	3293.8	3290.6	3295.7	3263.8	3120.3	2969.9	2876.1	2883.8	2989.1	3004.1	1852.4
45°	3371.3	3359.0	3401.8	3502.9	3446.0	3287.9	3180.9	3171.3	3229.1	3225.0	1943.0
47.5°	3304.3	3281.5	3379.9	3623.7	3733.9	3686.1	3533.0	3515.7	3466.5	3433.7	2037.3
50°	2971.3	2961.3	3171.7	3566.3	3914.8	4054.2	3941.7	3877.4	3678.3	3587.7	2087.0
52.5°	2654.7	2626.9	2769.0	3273.3	3834.2	4350.3	4373.6	4259.2	3854.2	3631.9	2070.2
55°	2144.4	2110.2	2265.1	2689.3	3514.8	4388.1	4677.0	4617.3	4008.2	3577.2	2036.0
57.5°	1302.5	1268.8	1496.6	1926.2	2810.9	4073.8	4602.3	4662.8	4126.6	3517.1	2013.7
60°	547.6	526.2	615.5	919.4	1795.0	3348.0	4205.9	4357.2	4149.0	3434.6	2022.8
62.5°	284.7	275.2	280.2	368.1	725.7	2204.5	3500.7	3764.0	3923.9	3398.2	2031.9
65°	213.7	206.4	190.4	202.3	282.0	953.1	2515.7	2868.3	3436.0	3305.7	1970.4
67.5°	175.4	168.6	157.2	153.5	166.3	330.8	1284.3	1742.6	2692.5	2911.6	1749.9
70°	139.9	137.6	133.9	127.1	124.8	160.4	460.6	710.2	1780.4	2053.3	1268.3
72.5°	116.6	117.1	113.0	107.1	98.9	103.4	183.6	242.8	861.5	984.5	531.2
75°	97.5	97.5	98.9	90.7	82.5	71.1	102.0	118.5	276.5	227.3	113.4
77.5°	76.5	77.4	83.4	76.5	66.1	44.6	55.6	63.3	82.0	65.6	41.5
80°	61.0	60.1	57.9	68.8	59.2	31.4	26.4	29.2	38.3	31.4	20.5
82.5°	42.8	42.4	40.5	46.5	46.0	23.2	17.3	17.8	23.2	20.0	12.8
85°	10.5	12.3	26.0	21.9	19.1	13.7	10.5	11.4	15.0	13.2	6.8
87.5°	4.6	4.6	11.8	14.1	9.1	5.9	4.6	5.0	7.7	7.7	4.1
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°	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9
2.5°	1221.0	1191.3	1154.0	1114.3	1073.8	1025.1	994.1	968.6	948.5	933.0	927.6
5°	1225.5	1168.6	1083.8	978.6	871.5	771.3	693.8	636.4	589.1	563.1	551.7
7.5°	1225.1	1149.4	996.4	820.0	646.0	501.6	399.1	335.8	293.4	276.1	265.6
10°	1224.6	1124.4	896.6	644.2	431.9	290.7	214.1	178.6	163.1	157.2	156.3
12.5°	1237.8	1095.7	785.0	474.3	271.1	180.9	149.0	140.8	137.1	135.3	134.9
15°	1245.1	1069.2	667.4	334.9	182.7	143.1	133.0	129.4	128.0	127.1	126.7
17.5°	1252.8	1028.2	555.8	242.4	146.2	129.8	123.9	121.6	120.7	120.7	120.7
20°	1254.2	984.1	445.1	178.6	129.8	121.2	115.3	113.0	111.6	110.7	110.7
22.5°	1244.2	931.7	349.9	144.9	120.3	113.0	106.6	103.0	100.7	100.2	100.2
25°	1219.1	857.4	268.3	127.1	112.5	104.8	97.0	92.9	91.1	91.1	91.1
27.5°	1183.1	769.9	207.3	113.0	102.5	94.8	87.9	84.3	83.8	83.4	83.8
30°	1142.1	685.6	158.5	100.2	90.7	84.3	78.8	77.0	77.9	77.9	78.4
32.5°	1101.1	601.4	123.9	90.2	80.2	74.7	72.0	72.0	73.3	73.3	73.3
35°	1066.1	518.9	103.9	82.0	72.9	68.3	67.0	68.3	69.2	69.7	69.7
37.5°	1046.5	447.8	91.6	74.7	67.0	63.3	62.9	64.2	66.1	67.4	67.9
40°	1039.2	393.2	84.3	69.2	61.5	59.2	58.8	60.6	63.8	66.1	66.5
42.5°	1039.6	344.9	77.9	63.8	57.9	54.7	54.7	57.4	60.6	62.9	62.9
45°	1042.8	303.4	71.5	58.3	54.7	49.2	49.7	53.3	55.6	57.9	57.9
47.5°	1045.6	270.2	64.7	52.4	47.4	44.6	45.6	48.3	51.5	55.1	55.1
50°	1029.6	246.5	57.9	46.0	41.5	40.5	42.4	44.6	49.2	52.8	53.3
52.5°	991.3	225.1	51.9	41.0	37.4	37.8	40.1	41.5	45.1	45.6	46.0
55°	974.5	214.1	47.4	37.4	34.2	35.5	36.9	37.4	36.4	34.2	34.2
57.5°	970.8	206.8	42.8	33.7	31.4	33.3	32.8	30.1	27.3	24.6	24.1
60°	974.5	196.8	39.2	29.2	28.7	29.2	27.8	22.8	19.1	17.3	16.4
62.5°	953.5	182.2	36.0	25.1	25.1	24.6	21.0	15.5	12.3	10.9	10.5
65°	884.3	153.5	32.8	21.0	20.5	19.6	14.1	10.5	8.2	6.8	6.4
67.5°	748.1	118.9	29.6	17.3	16.4	13.7	9.1	6.8	4.6	4.1	3.6
70°	510.2	73.8	25.1	13.7	12.3	8.7	5.5	4.1	2.7	2.3	1.8
72.5°	185.0	42.8	21.0	10.5	8.2	5.5	3.2	1.8	1.4	1.4	0.9
75°	43.7	30.1	15.9	7.7	5.5	3.2	1.8	1.4	0.9	0.9	0.5
77.5°	20.0	23.2	10.5	4.6	3.6	2.3	1.4	0.9	0.5	0.5	0.0
80°	11.4	16.4	5.0	3.2	2.7	1.8	0.9	0.5	0.5	0.0	0.0
82.5°	5.9	9.1	3.6	2.7	2.3	1.4	0.9	0.0	0.0	0.0	0.0
85°	4.1	4.6	2.7	2.3	1.8	1.4	0.9	0.0	0.0	0.0	0.0
87.5°	3.2	3.2	2.7	2.3	1.8	1.4	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)