

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: P674419

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674419
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-740-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

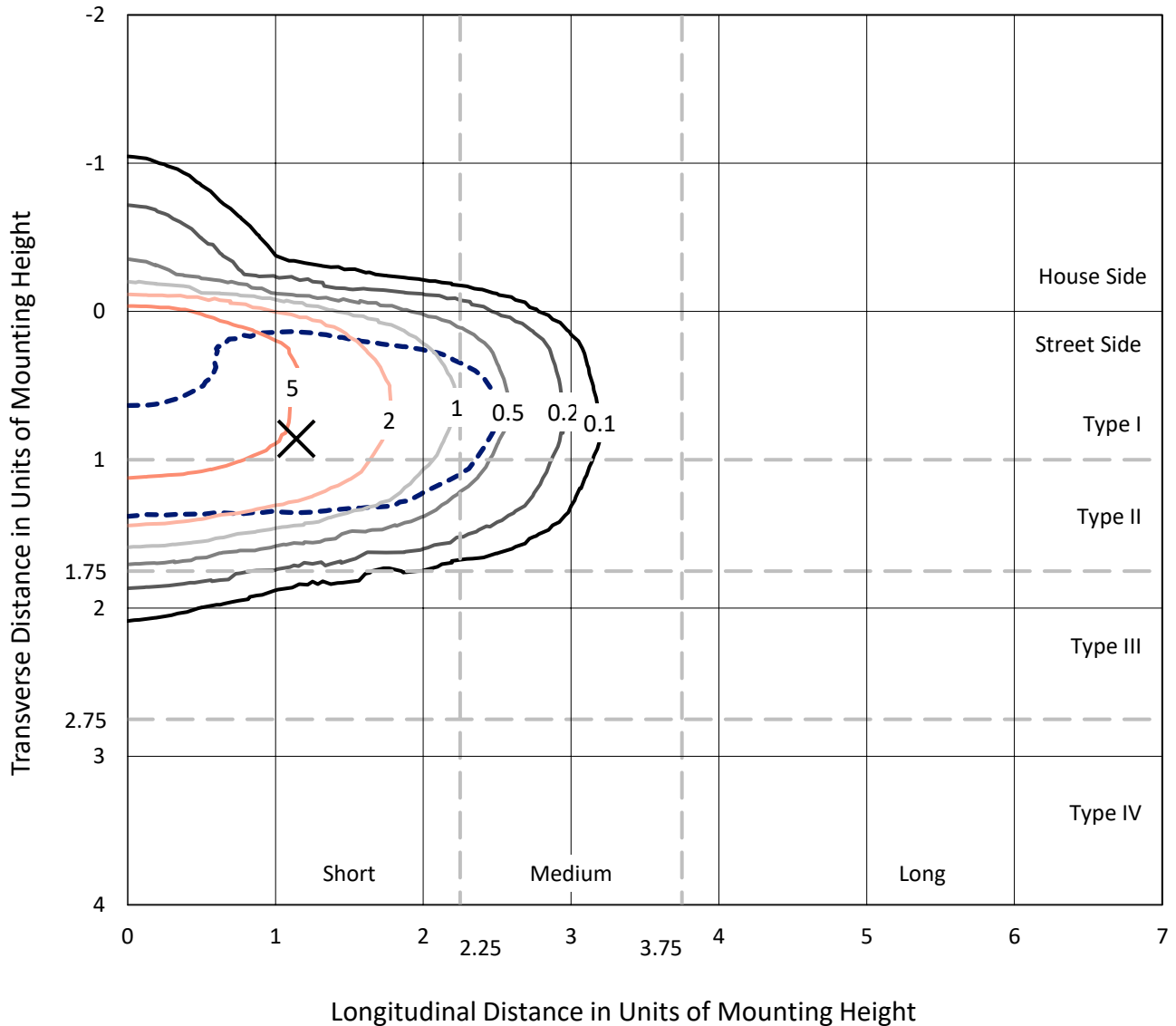
Lumens per Lamp: N/A
Luminaire Lumens: 6217.5 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

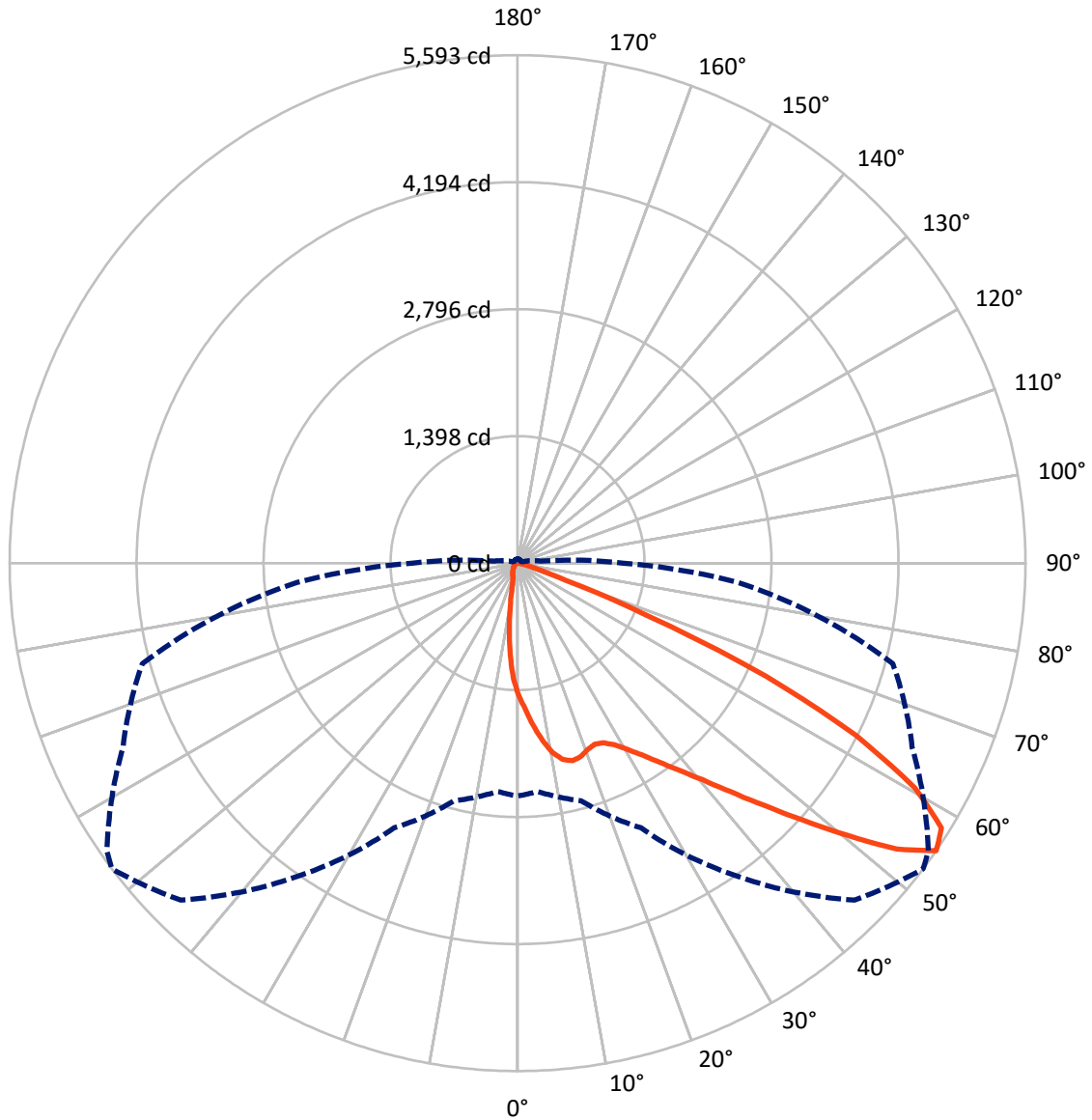
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.4 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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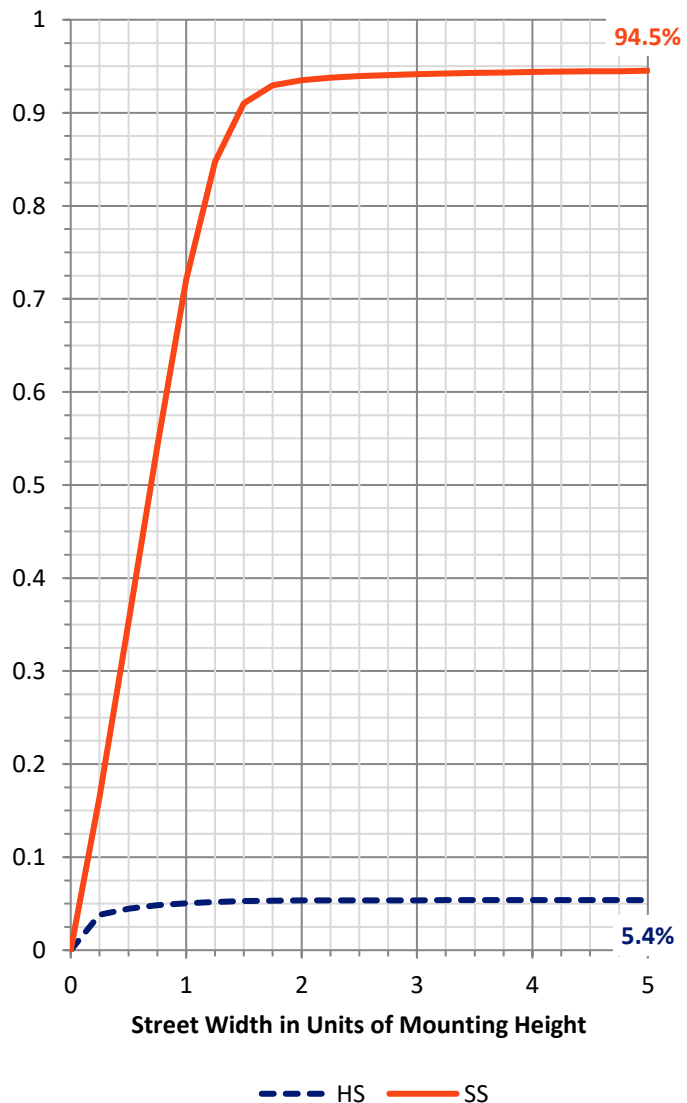
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	336.1	0.0	336.1
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	5881.4	0.0	5881.4
	% Fixture	94.6	0.0	94.6
Total	Lumens	6217.5	0.0	6217.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.1	2.1
10°-20°	339.9	5.5
20°-30°	568.9	9.2
30°-40°	930.8	15.0
40°-50°	1496.2	24.1
50°-60°	1689.2	27.2
60°-70°	901.0	14.5
70°-80°	148.1	2.4
80°-90°	13.3	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°	6217.5	100.0
0°-180°	6217.5	100.0



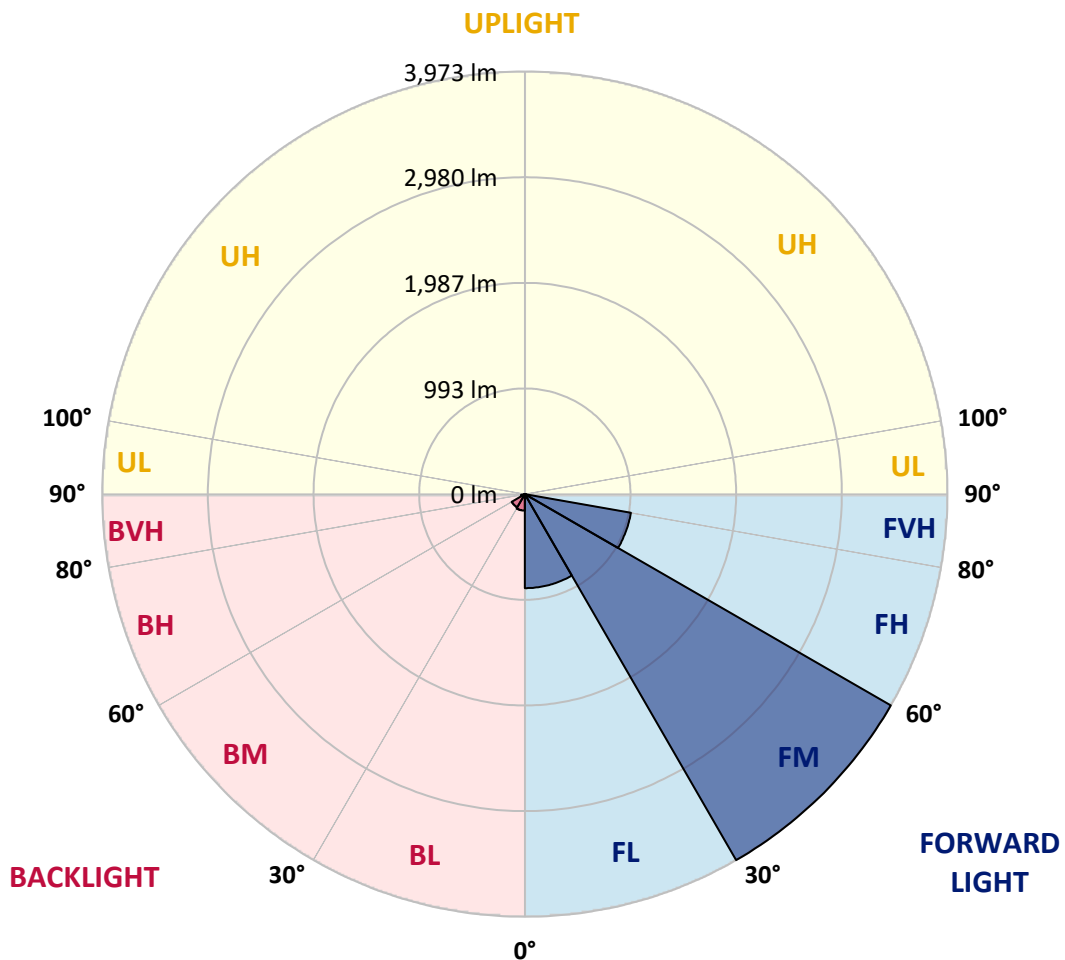
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	883.9	14.2			
FM (30°-60°)	3973.0	63.9			
FH (60°-80°)	1012.4	16.3			G1/1800
FVH (80°-90°)	12.2	0.2			G1/100
BL (0°-30°)	155.1	2.5	B1/500		
BM (30°-60°)	143.2	2.3	B0/220		
BH (60°-80°)	36.7	0.6	B0/110		G0/110
BVH (80°-90°)	1.1	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°	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1744.9	1734.5	1740.5	1724.7	1695.8	1659.9	1605.9	1608.7	1566.2	1529.1	1477.9
5°	2033.0	2022.1	2018.9	1978.6	1938.2	1873.4	1793.3	1780.3	1702.4	1608.1	1500.8
7.5°	2185.0	2175.8	2182.8	2168.1	2128.4	2069.5	1968.2	1958.4	1838.0	1695.3	1537.3
10°	2115.3	2112.0	2142.0	2176.8	2209.0	2201.9	2120.7	2105.5	1970.4	1791.2	1574.9
12.5°	1927.9	1938.2	1976.4	2040.7	2139.8	2233.0	2219.9	2222.6	2105.5	1895.2	1616.3
15°	1817.8	1830.4	1852.2	1885.4	2007.4	2173.0	2257.5	2284.7	2235.1	2011.2	1665.3
17.5°	1808.6	1818.9	1822.2	1834.7	1906.1	2076.6	2242.2	2294.0	2350.6	2120.7	1720.3
20°	1880.0	1884.3	1881.6	1872.3	1897.9	2024.3	2194.3	2268.4	2446.0	2237.3	1768.8
22.5°	2014.5	2008.0	1999.8	1965.5	1963.8	2039.0	2168.1	2245.5	2502.6	2333.7	1801.0
25°	2181.2	2167.6	2156.1	2107.7	2084.8	2115.8	2191.6	2253.7	2553.8	2427.4	1823.8
27.5°	2363.1	2367.5	2339.2	2273.8	2237.9	2231.3	2264.0	2310.3	2603.4	2511.3	1836.4
30°	2557.6	2559.8	2522.8	2455.2	2422.5	2380.6	2378.4	2406.2	2656.8	2607.7	1848.4
32.5°	2779.3	2785.3	2724.9	2654.6	2597.4	2542.9	2516.2	2539.6	2752.6	2733.6	1872.9
35°	3099.7	3073.5	2991.8	2885.6	2804.4	2733.0	2692.2	2707.4	2880.1	2884.5	1921.9
37.5°	3429.8	3427.1	3336.6	3183.6	3050.6	2961.8	2892.1	2917.2	3059.3	3086.6	2000.3
40°	3737.6	3744.6	3666.2	3532.7	3361.7	3209.2	3134.5	3151.4	3297.4	3331.7	2095.7
42.5°	3938.6	3934.8	3940.8	3902.6	3731.0	3551.3	3439.0	3448.3	3574.1	3592.1	2215.0
45°	4031.2	4016.5	4067.7	4188.6	4120.5	3931.5	3803.5	3792.0	3861.2	3856.3	2323.4
47.5°	3951.1	3923.9	4041.5	4333.0	4464.8	4407.6	4224.6	4203.9	4145.0	4105.8	2436.1
50°	3552.9	3540.9	3792.6	4264.3	4681.1	4847.8	4713.2	4636.4	4398.4	4289.9	2495.5
52.5°	3174.3	3141.1	3311.0	3914.1	4584.7	5201.9	5229.7	5092.9	4608.6	4342.8	2475.4
55°	2564.2	2523.3	2708.5	3215.7	4202.8	5247.1	5592.5	5521.1	4792.8	4277.4	2434.5
57.5°	1557.5	1517.1	1789.5	2303.2	3361.1	4871.2	5503.1	5575.6	4934.4	4205.5	2407.8
60°	654.8	629.2	736.0	1099.3	2146.3	4003.4	5029.2	5210.0	4961.1	4106.9	2418.7
62.5°	340.5	329.0	335.0	440.2	867.8	2636.1	4185.9	4500.8	4692.0	4063.3	2429.6
65°	255.5	246.8	227.7	241.9	337.2	1139.6	3008.1	3429.8	4108.5	3952.7	2356.1
67.5°	209.7	201.6	187.9	183.6	198.8	395.5	1535.7	2083.7	3219.5	3481.5	2092.4
70°	167.2	164.5	160.2	152.0	149.3	191.8	550.7	849.3	2128.9	2455.2	1516.6
72.5°	139.5	140.0	135.1	128.0	118.2	123.7	219.5	290.4	1030.1	1177.2	635.2
75°	116.6	116.6	118.2	108.4	98.6	85.0	122.0	141.6	330.7	271.8	135.6
77.5°	91.5	92.6	99.7	91.5	79.0	53.4	66.5	75.7	98.1	78.4	49.6
80°	73.0	71.9	69.2	82.3	70.8	37.6	31.6	34.9	45.8	37.6	24.5
82.5°	51.2	50.7	48.5	55.6	55.0	27.8	20.7	21.2	27.8	24.0	15.3
85°	12.5	14.7	31.1	26.1	22.9	16.3	12.5	13.6	18.0	15.8	8.2
87.5°	5.4	5.4	14.2	16.9	10.9	7.1	5.4	6.0	9.3	9.3	4.9
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°	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1459.9	1424.5	1379.9	1332.5	1284.0	1225.7	1188.7	1158.1	1134.2	1115.7	1109.1
5°	1465.4	1397.3	1296.0	1170.1	1042.1	922.3	829.7	761.0	704.4	673.3	659.7
7.5°	1464.8	1374.4	1191.4	980.6	772.5	599.8	477.2	401.5	350.8	330.1	317.6
10°	1464.3	1344.5	1072.1	770.3	516.4	347.6	256.0	213.5	195.0	187.9	186.9
12.5°	1480.1	1310.1	938.6	567.1	324.1	216.3	178.1	168.3	164.0	161.8	161.2
15°	1488.8	1278.5	798.1	400.4	218.4	171.1	159.1	154.7	153.1	152.0	151.4
17.5°	1498.1	1229.5	664.6	289.8	174.9	155.3	148.2	145.4	144.4	144.4	144.4
20°	1499.7	1176.7	532.2	213.5	155.3	144.9	137.8	135.1	133.5	132.4	132.4
22.5°	1487.7	1114.0	418.4	173.2	143.8	135.1	127.5	123.1	120.4	119.8	119.8
25°	1457.8	1025.2	320.9	152.0	134.6	125.3	116.0	111.1	109.0	109.0	109.0
27.5°	1414.7	920.6	247.9	135.1	122.6	113.3	105.1	100.8	100.2	99.7	100.2
30°	1365.7	819.9	189.6	119.8	108.4	100.8	94.2	92.1	93.2	93.2	93.7
32.5°	1316.7	719.1	148.2	107.9	95.9	89.3	86.1	86.1	87.7	87.7	87.7
35°	1274.7	620.5	124.2	98.1	87.2	81.7	80.1	81.7	82.8	83.3	83.3
37.5°	1251.3	535.5	109.5	89.3	80.1	75.7	75.2	76.8	79.0	80.6	81.2
40°	1242.6	470.1	100.8	82.8	73.5	70.8	70.3	72.5	76.3	79.0	79.5
42.5°	1243.1	412.4	93.2	76.3	69.2	65.4	65.4	68.6	72.5	75.2	75.2
45°	1246.9	362.8	85.5	69.7	65.4	58.8	59.4	63.7	66.5	69.2	69.2
47.5°	1250.2	323.0	77.4	62.6	56.7	53.4	54.5	57.7	61.6	65.9	65.9
50°	1231.1	294.7	69.2	55.0	49.6	48.5	50.7	53.4	58.8	63.2	63.7
52.5°	1185.4	269.1	62.1	49.0	44.7	45.2	47.9	49.6	53.9	54.5	55.0
55°	1165.2	256.0	56.7	44.7	40.9	42.5	44.1	44.7	43.6	40.9	40.9
57.5°	1160.9	247.3	51.2	40.3	37.6	39.8	39.2	36.0	32.7	29.4	28.9
60°	1165.2	235.3	46.8	34.9	34.3	34.9	33.2	27.2	22.9	20.7	19.6
62.5°	1140.2	217.9	43.0	30.0	30.0	29.4	25.1	18.5	14.7	13.1	12.5
65°	1057.4	183.6	39.2	25.1	24.5	23.4	16.9	12.5	9.8	8.2	7.6
67.5°	894.5	142.2	35.4	20.7	19.6	16.3	10.9	8.2	5.4	4.9	4.4
70°	610.1	88.3	30.0	16.3	14.7	10.4	6.5	4.9	3.3	2.7	2.2
72.5°	221.2	51.2	25.1	12.5	9.8	6.5	3.8	2.2	1.6	1.6	1.1
75°	52.3	36.0	19.1	9.3	6.5	3.8	2.2	1.6	1.1	1.1	0.5
77.5°	24.0	27.8	12.5	5.4	4.4	2.7	1.6	1.1	0.5	0.5	0.0
80°	13.6	19.6	6.0	3.8	3.3	2.2	1.1	0.5	0.5	0.0	0.0
82.5°	7.1	10.9	4.4	3.3	2.7	1.6	1.1	0.0	0.0	0.0	0.0
85°	4.9	5.4	3.3	2.7	2.2	1.6	1.1	0.0	0.0	0.0	0.0
87.5°	3.8	3.8	3.3	2.7	2.2	1.6	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)