

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: P674466

Luminaire Tested: **CCP-SA-2C-830-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674466
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-830-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ AFL distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

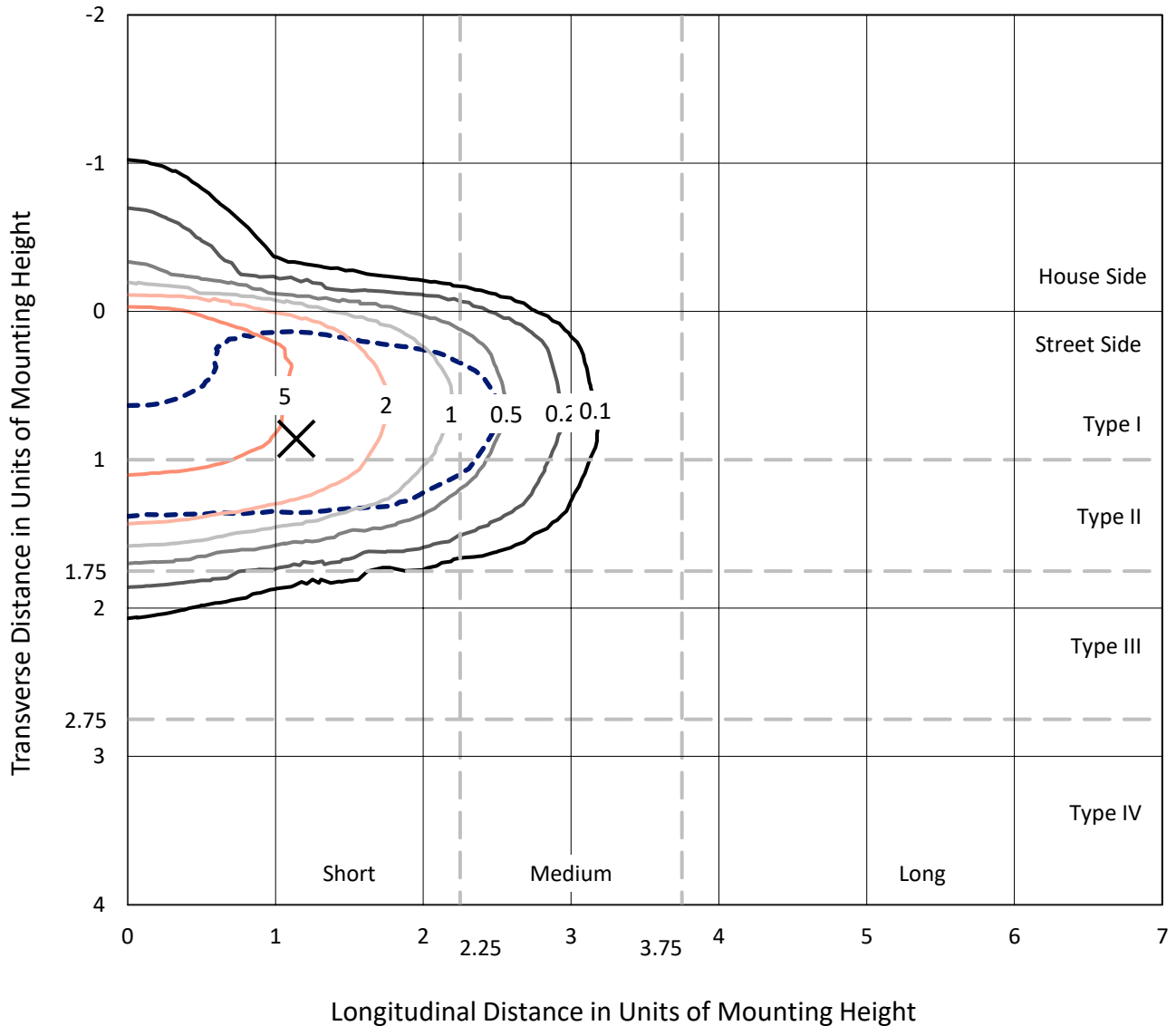
Lumens per Lamp: N/A
Luminaire Lumens: 5957.7 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 62.1
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

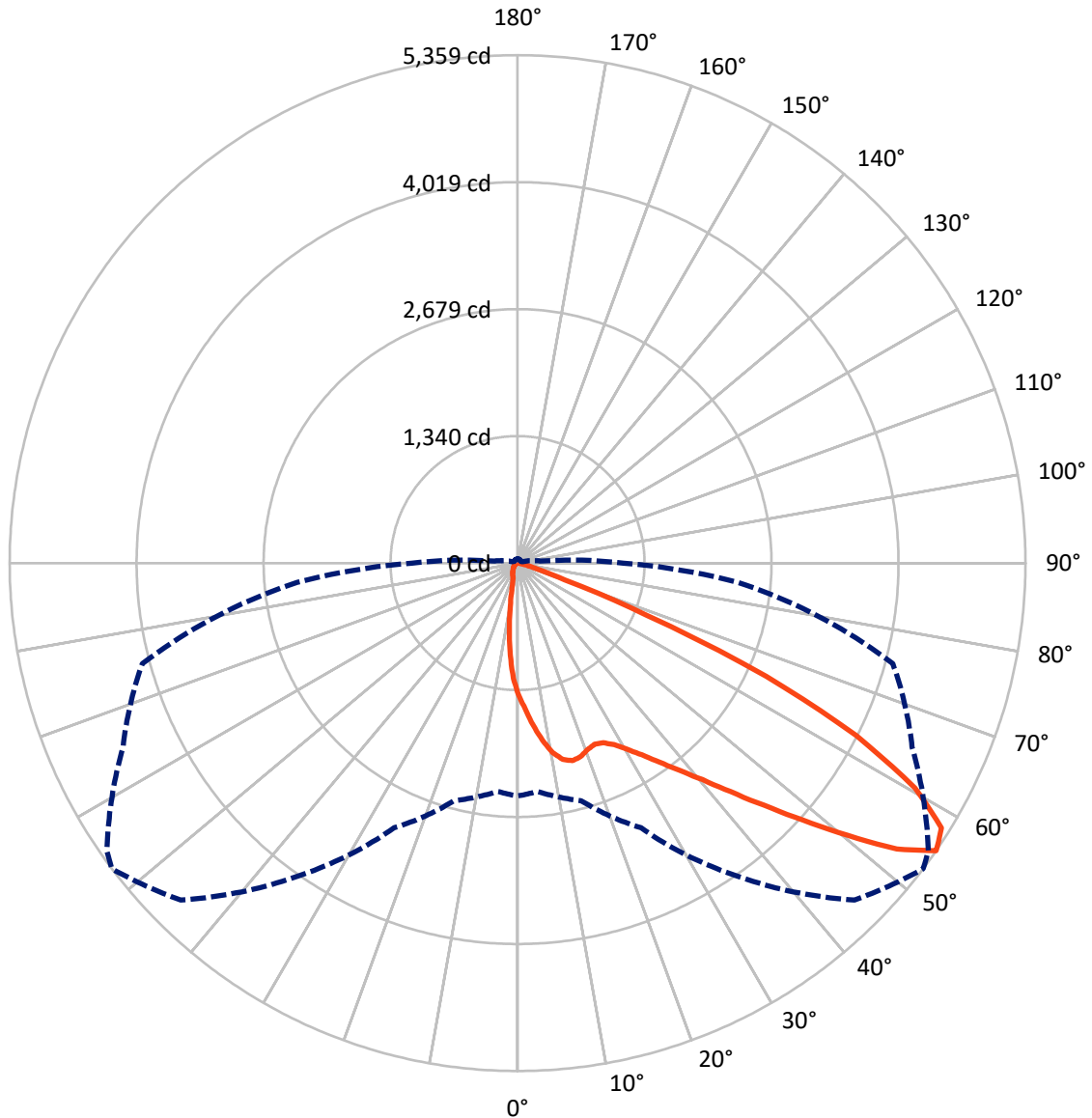
✕ Max cd
 - - - 1/2 Max cd



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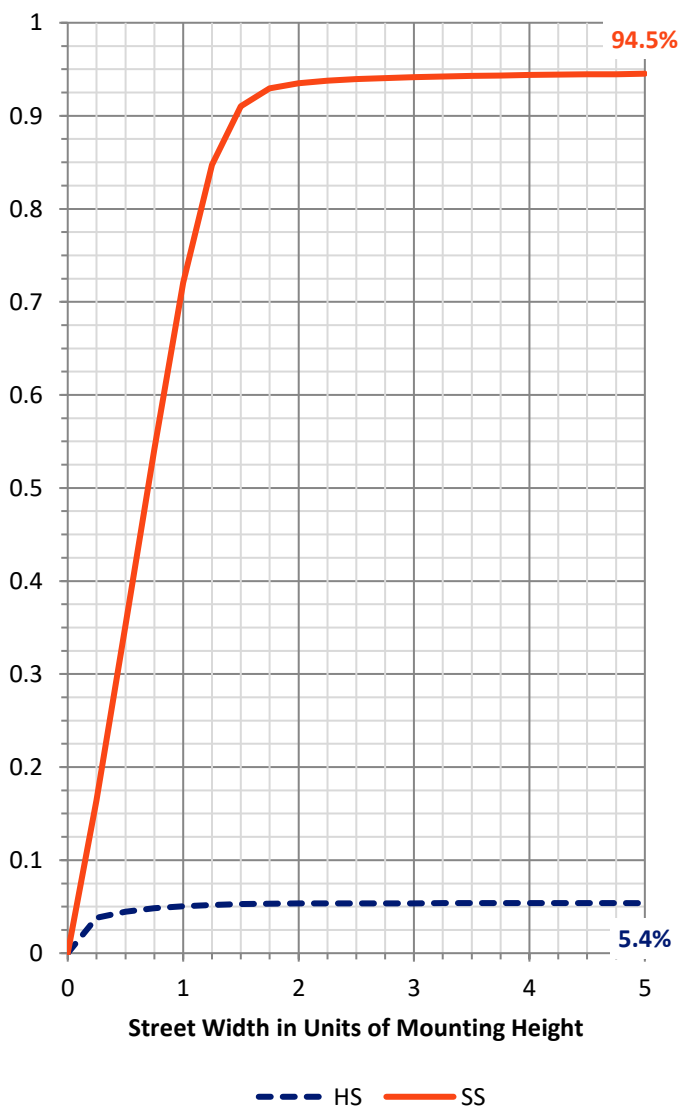
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	322.0	0.0	322.0
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	5635.7	0.0	5635.7
	% Fixture	94.6	0.0	94.6
Total	Lumens	5957.7	0.0	5957.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.7	2.1
10°-20°	325.7	5.5
20°-30°	545.2	9.2
30°-40°	891.9	15.0
40°-50°	1433.7	24.1
50°-60°	1618.7	27.2
60°-70°	863.4	14.5
70°-80°	141.9	2.4
80°-90°	12.7	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°	5957.7	100.0
0°-180°	5957.7	100.0



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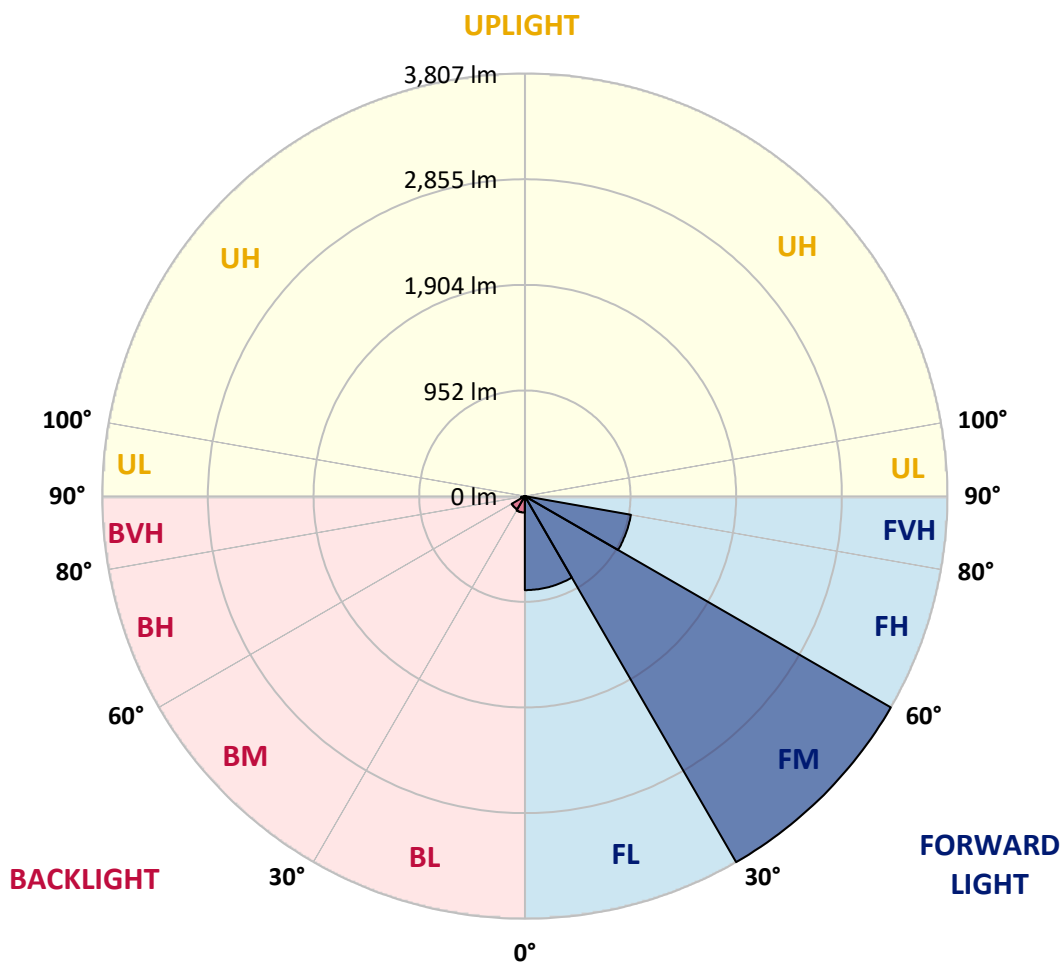
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	846.9	14.2			
FM (30°-60°)	3807.0	63.9			
FH (60°-80°)	970.1	16.3			G1/1800
FVH (80°-90°)	11.7	0.2			G1/100
BL (0°-30°)	148.6	2.5	B1/500		
BM (30°-60°)	137.2	2.3	B0/220		
BH (60°-80°)	35.2	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°	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2
2.5°	1671.9	1662.0	1667.8	1652.6	1625.0	1590.5	1538.8	1541.4	1500.7	1465.2	1416.2
5°	1948.1	1937.6	1934.5	1895.9	1857.3	1795.1	1718.4	1705.9	1631.2	1540.9	1438.1
7.5°	2093.7	2084.8	2091.6	2077.5	2039.4	1983.1	1886.0	1876.6	1761.2	1624.4	1473.1
10°	2026.9	2023.8	2052.5	2085.9	2116.7	2109.9	2032.1	2017.5	1888.0	1716.3	1509.1
12.5°	1847.3	1857.3	1893.8	1955.4	2050.4	2139.7	2127.1	2129.7	2017.5	1816.0	1548.8
15°	1741.9	1753.9	1774.8	1806.6	1923.5	2082.2	2163.1	2189.2	2141.7	1927.2	1595.7
17.5°	1733.0	1742.9	1746.1	1758.1	1826.5	1989.8	2148.5	2198.1	2252.4	2032.1	1648.5
20°	1801.4	1805.6	1803.0	1794.1	1818.6	1939.7	2102.6	2173.6	2343.7	2143.8	1694.9
22.5°	1930.3	1924.1	1916.2	1883.4	1881.8	1953.8	2077.5	2151.7	2398.0	2236.2	1725.7
25°	2090.1	2077.0	2066.0	2019.6	1997.7	2027.4	2100.0	2159.5	2447.1	2326.0	1747.6
27.5°	2264.4	2268.6	2241.4	2178.8	2144.3	2138.1	2169.4	2213.8	2494.6	2406.4	1759.6
30°	2450.8	2452.8	2417.4	2352.6	2321.3	2281.1	2279.0	2305.6	2545.8	2498.8	1771.1
32.5°	2663.2	2669.0	2611.0	2543.7	2488.9	2436.7	2411.1	2433.5	2637.6	2619.4	1794.6
35°	2970.1	2945.1	2866.8	2765.0	2687.2	2618.8	2579.7	2594.3	2759.8	2764.0	1841.6
37.5°	3286.5	3283.9	3197.2	3050.5	2923.2	2838.1	2771.3	2795.3	2931.5	2957.6	1916.8
40°	3581.4	3588.2	3513.0	3385.1	3221.2	3075.1	3003.5	3019.7	3159.6	3192.5	2008.1
42.5°	3774.0	3770.4	3776.1	3739.6	3575.1	3402.9	3295.3	3304.2	3424.8	3442.0	2122.4
45°	3862.8	3848.7	3897.7	4013.6	3948.4	3767.2	3644.6	3633.6	3699.9	3695.2	2226.3
47.5°	3786.0	3759.9	3872.7	4151.9	4278.3	4223.4	4048.1	4028.2	3971.8	3934.3	2334.4
50°	3404.4	3393.0	3634.1	4086.2	4485.5	4645.2	4516.3	4442.7	4214.6	4110.7	2391.3
52.5°	3041.7	3009.8	3172.7	3750.5	4393.1	4984.5	5011.1	4880.1	4416.1	4161.3	2371.9
55°	2457.0	2417.9	2595.4	3081.3	4027.2	5027.8	5358.8	5290.4	4592.5	4098.7	2332.8
57.5°	1492.4	1453.8	1714.7	2207.0	3220.7	4667.7	5273.2	5342.6	4728.2	4029.8	2307.2
60°	627.4	602.9	705.2	1053.4	2056.7	3836.1	4819.0	4992.3	4753.8	3935.3	2317.7
62.5°	326.2	315.3	321.0	421.8	831.5	2525.9	4011.0	4312.7	4495.9	3893.5	2328.1
65°	244.8	236.5	218.2	231.8	323.1	1092.0	2882.4	3286.5	3936.9	3787.6	2257.6
67.5°	201.0	193.1	180.1	175.9	190.5	379.0	1471.5	1996.6	3085.0	3336.1	2005.0
70°	160.3	157.6	153.5	145.6	143.0	183.7	527.7	813.8	2039.9	2352.6	1453.2
72.5°	133.6	134.2	129.5	122.7	113.3	118.5	210.4	278.2	987.1	1128.0	608.6
75°	111.7	111.7	113.3	103.9	94.5	81.4	116.9	135.7	316.8	260.5	130.0
77.5°	87.7	88.7	95.5	87.7	75.7	51.2	63.7	72.6	94.0	75.2	47.5
80°	69.9	68.9	66.3	78.8	67.9	36.0	30.3	33.4	43.8	36.0	23.5
82.5°	49.1	48.5	46.5	53.2	52.7	26.6	19.8	20.4	26.6	23.0	14.6
85°	12.0	14.1	29.8	25.1	21.9	15.7	12.0	13.0	17.2	15.1	7.8
87.5°	5.2	5.2	13.6	16.2	10.4	6.8	5.2	5.7	8.9	8.9	4.7
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°	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2
2.5°	1398.9	1365.0	1322.2	1276.8	1230.3	1174.5	1139.0	1109.8	1086.8	1069.0	1062.8
5°	1404.2	1338.9	1241.8	1121.2	998.6	883.7	795.0	729.2	674.9	645.2	632.1
7.5°	1403.6	1317.0	1141.6	939.6	740.2	574.7	457.3	384.7	336.2	316.3	304.3
10°	1403.1	1288.3	1027.3	738.1	494.8	333.0	245.3	204.6	186.9	180.1	179.0
12.5°	1418.3	1255.4	899.4	543.4	310.6	207.2	170.7	161.3	157.1	155.0	154.5
15°	1426.6	1225.1	764.7	383.7	209.3	163.9	152.4	148.2	146.7	145.6	145.1
17.5°	1435.5	1178.1	636.8	277.7	167.6	148.8	142.0	139.4	138.3	138.3	138.3
20°	1437.0	1127.5	510.0	204.6	148.8	138.9	132.1	129.5	127.9	126.8	126.8
22.5°	1425.6	1067.5	400.9	166.0	137.8	129.5	122.1	118.0	115.4	114.8	114.8
25°	1396.9	982.4	307.5	145.6	128.9	120.1	111.2	106.5	104.4	104.4	104.4
27.5°	1355.6	882.2	237.5	129.5	117.4	108.6	100.7	96.6	96.0	95.5	96.0
30°	1308.6	785.6	181.7	114.8	103.9	96.6	90.3	88.2	89.3	89.3	89.8
32.5°	1261.7	689.0	142.0	103.4	91.9	85.6	82.5	82.5	84.0	84.0	84.0
35°	1221.5	594.6	119.0	94.0	83.5	78.3	76.7	78.3	79.3	79.9	79.9
37.5°	1199.0	513.1	104.9	85.6	76.7	72.6	72.0	73.6	75.7	77.3	77.8
40°	1190.7	450.5	96.6	79.3	70.5	67.9	67.3	69.4	73.1	75.7	76.2
42.5°	1191.2	395.1	89.3	73.1	66.3	62.6	62.6	65.8	69.4	72.0	72.0
45°	1194.8	347.6	82.0	66.8	62.6	56.4	56.9	61.1	63.7	66.3	66.3
47.5°	1198.0	309.5	74.1	60.0	54.3	51.2	52.2	55.3	59.0	63.2	63.2
50°	1179.7	282.4	66.3	52.7	47.5	46.5	48.5	51.2	56.4	60.6	61.1
52.5°	1135.9	257.9	59.5	47.0	42.8	43.3	45.9	47.5	51.7	52.2	52.7
55°	1116.5	245.3	54.3	42.8	39.1	40.7	42.3	42.8	41.8	39.1	39.1
57.5°	1112.4	237.0	49.1	38.6	36.0	38.1	37.6	34.5	31.3	28.2	27.7
60°	1116.5	225.5	44.9	33.4	32.9	33.4	31.8	26.1	21.9	19.8	18.8
62.5°	1092.5	208.8	41.2	28.7	28.7	28.2	24.0	17.7	14.1	12.5	12.0
65°	1013.2	175.9	37.6	24.0	23.5	22.4	16.2	12.0	9.4	7.8	7.3
67.5°	857.1	136.2	33.9	19.8	18.8	15.7	10.4	7.8	5.2	4.7	4.2
70°	584.6	84.6	28.7	15.7	14.1	9.9	6.3	4.7	3.1	2.6	2.1
72.5°	211.9	49.1	24.0	12.0	9.4	6.3	3.7	2.1	1.6	1.6	1.0
75°	50.1	34.5	18.3	8.9	6.3	3.7	2.1	1.6	1.0	1.0	0.5
77.5°	23.0	26.6	12.0	5.2	4.2	2.6	1.6	1.0	0.5	0.5	0.0
80°	13.0	18.8	5.7	3.7	3.1	2.1	1.0	0.5	0.5	0.0	0.0
82.5°	6.8	10.4	4.2	3.1	2.6	1.6	1.0	0.0	0.0	0.0	0.0
85°	4.7	5.2	3.1	2.6	2.1	1.6	1.0	0.0	0.0	0.0	0.0
87.5°	3.7	3.7	3.1	2.6	2.1	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)