

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: P674439

Luminaire Tested: **CCP-SA-1D-760-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674439
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-760-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

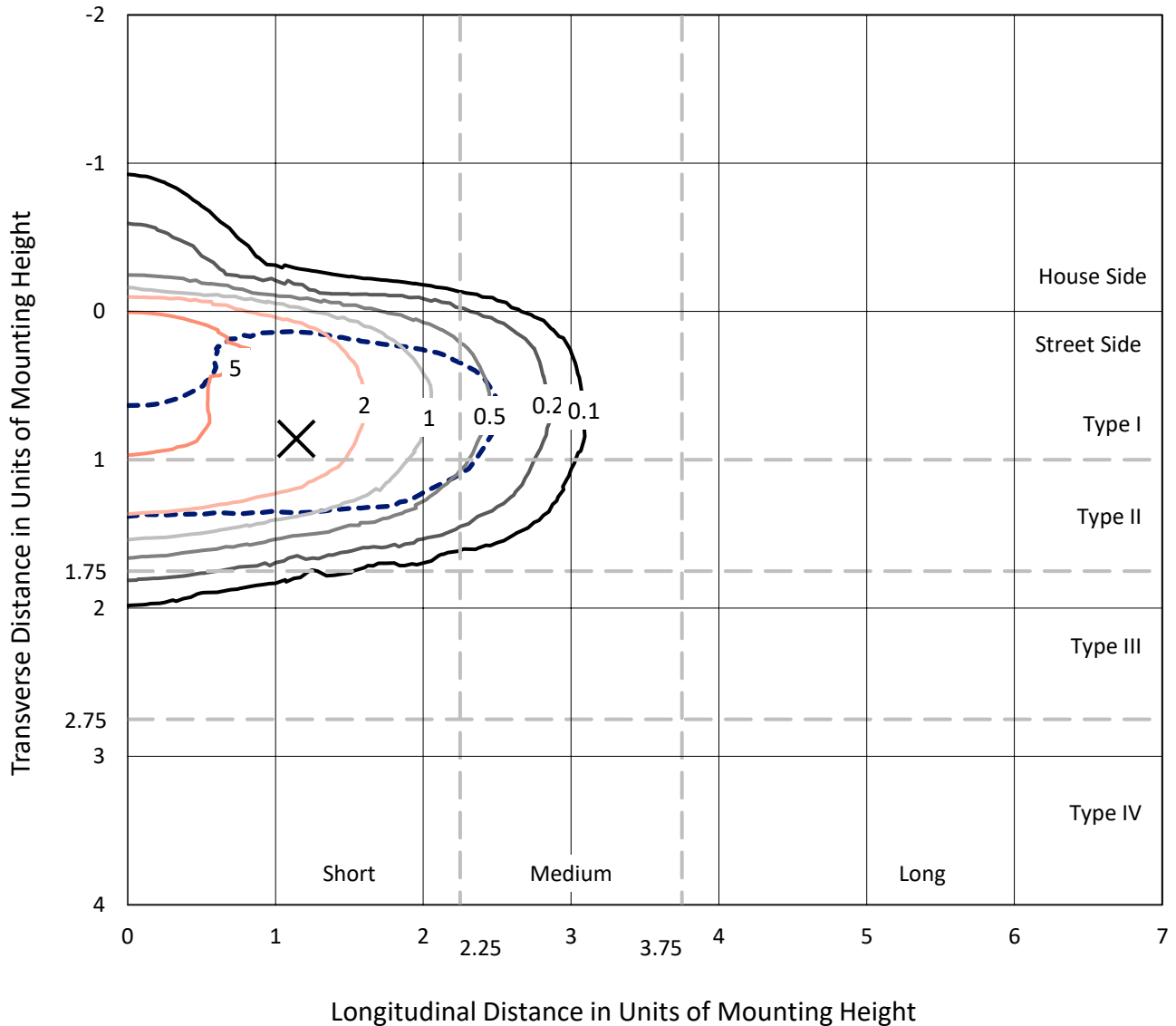
Lumens per Lamp: N/A
Luminaire Lumens: 4730.6 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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

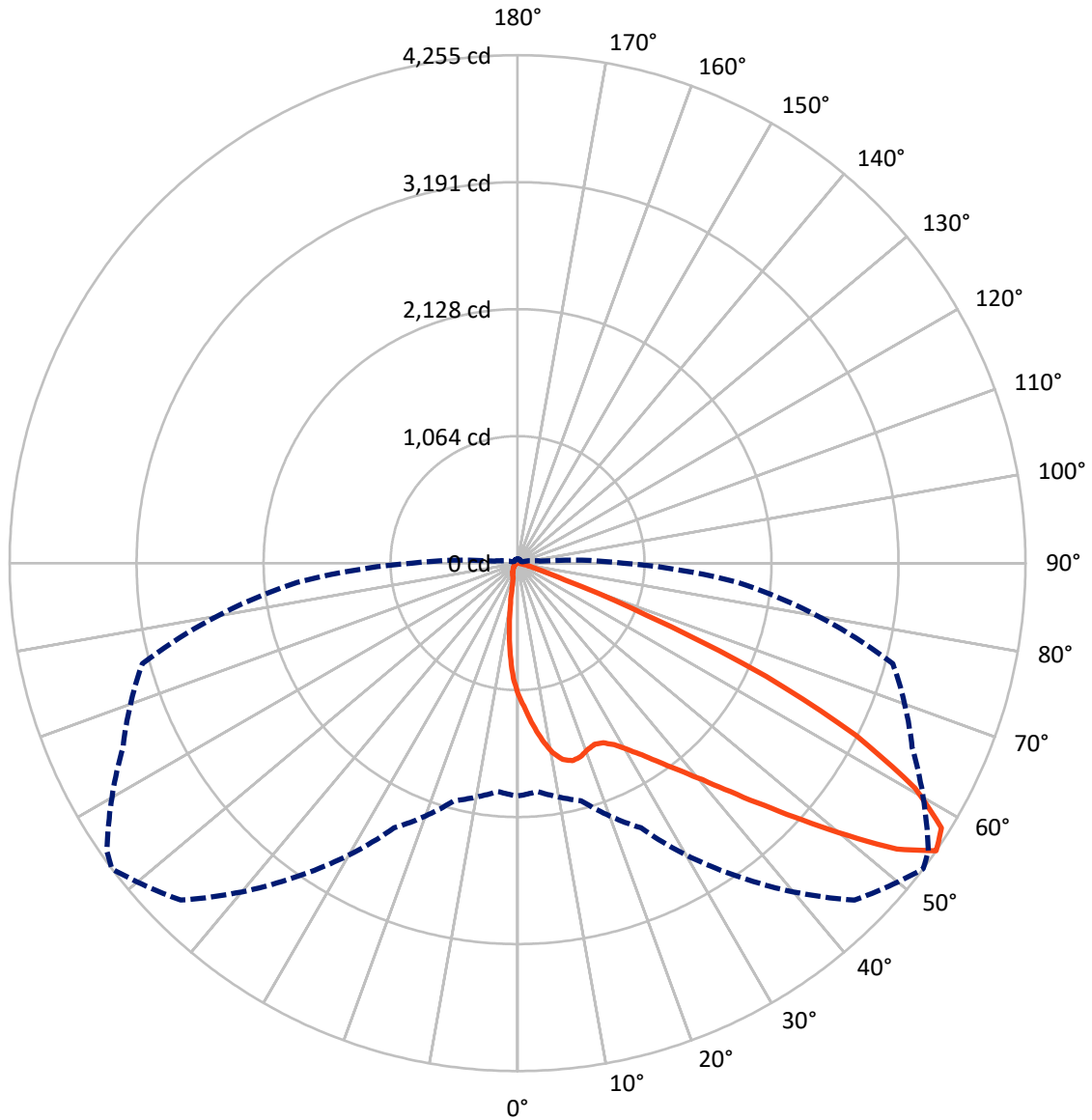
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.1 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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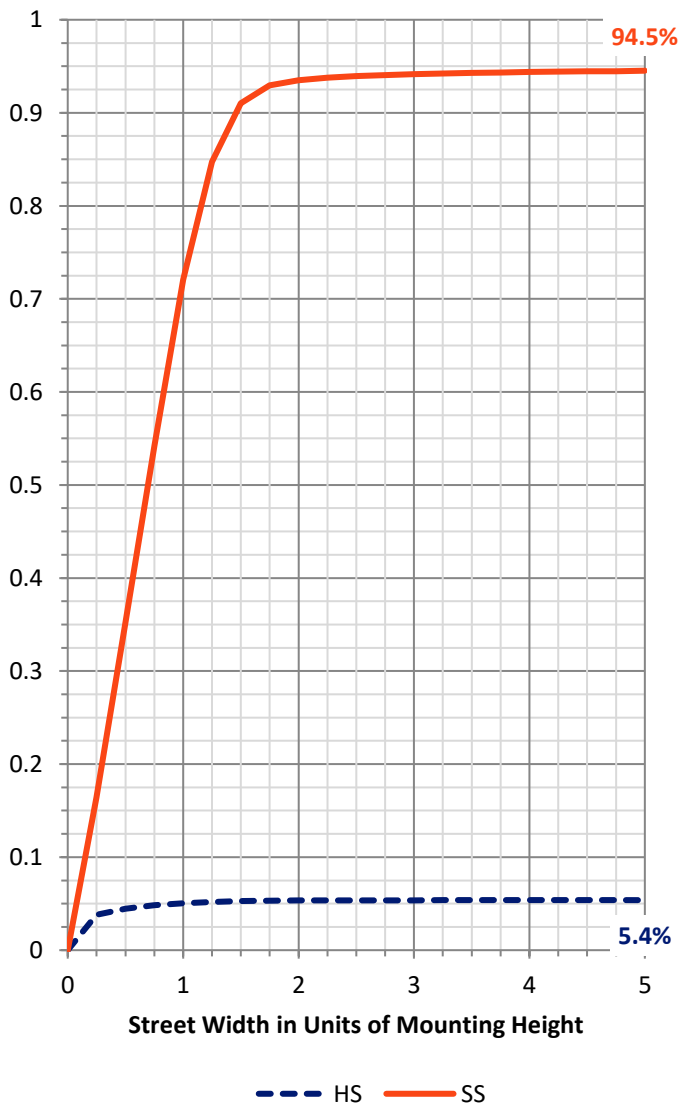
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	255.7	0.0	255.7
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	4474.9	0.0	4474.9
	% Fixture	94.6	0.0	94.6
Total	Lumens	4730.6	0.0	4730.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.0	2.1
10°-20°	258.6	5.5
20°-30°	432.9	9.2
30°-40°	708.2	15.0
40°-50°	1138.4	24.1
50°-60°	1285.3	27.2
60°-70°	685.6	14.5
70°-80°	112.6	2.4
80°-90°	10.1	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°	4730.6	100.0
0°-180°	4730.6	100.0



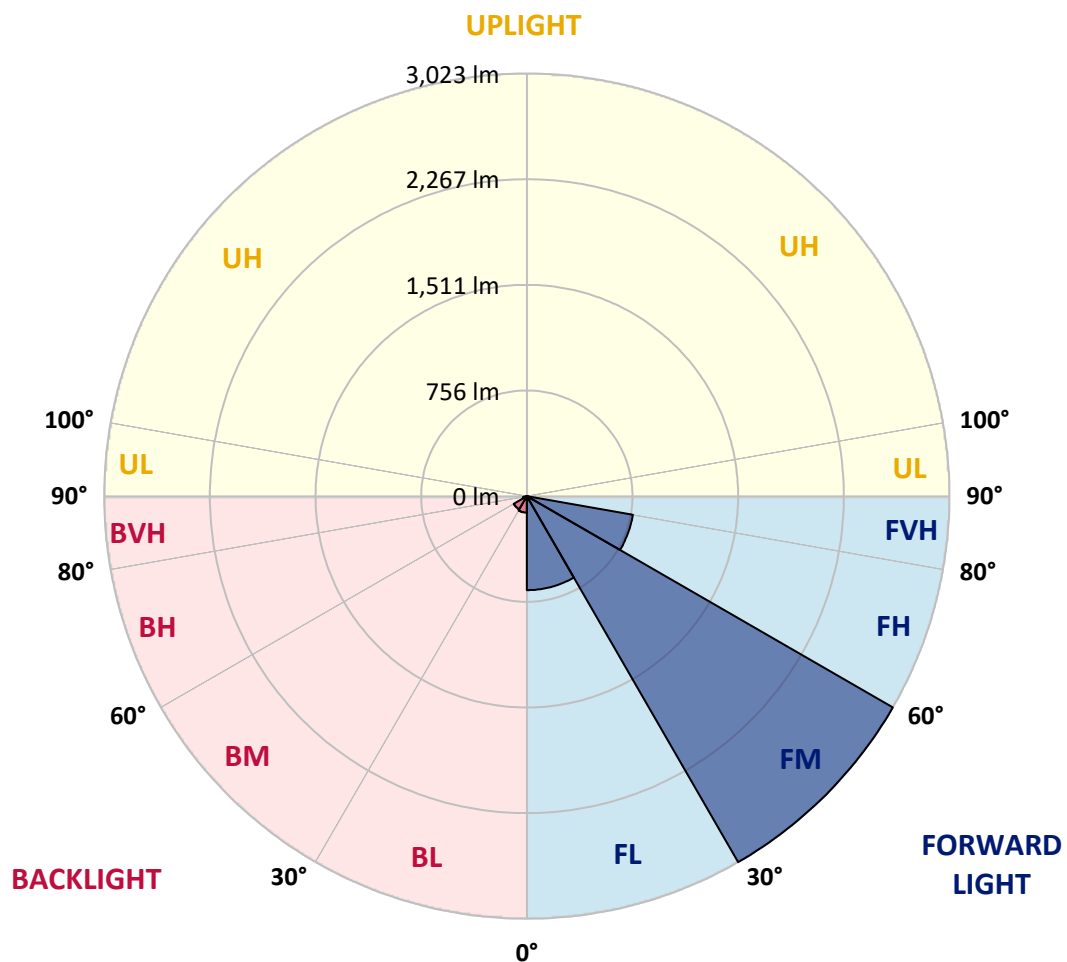
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	672.5	14.2			
FM (30°-60°)	3022.9	63.9			
FH (60°-80°)	770.3	16.3			G1/1800
FVH (80°-90°)	9.3	0.2			G0/10
BL (0°-30°)	118.0	2.5	B1/500		
BM (30°-60°)	108.9	2.3	B0/220		
BH (60°-80°)	27.9	0.6	B0/110		G0/110
BVH (80°-90°)	0.8	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°	1107.1	1107.1	1107.1	1107.1	1107.1	1107.1	1107.1	1107.1	1107.1	1107.1	1107.1
2.5°	1327.6	1319.7	1324.3	1312.2	1290.3	1262.9	1221.9	1223.9	1191.6	1163.4	1124.5
5°	1546.8	1538.5	1536.1	1505.4	1474.7	1425.4	1364.5	1354.5	1295.2	1223.5	1141.9
7.5°	1662.5	1655.4	1660.8	1649.6	1619.4	1574.6	1497.5	1490.0	1398.4	1289.9	1169.7
10°	1609.4	1606.9	1629.7	1656.2	1680.7	1675.3	1613.6	1602.0	1499.2	1362.8	1198.3
12.5°	1466.8	1474.7	1503.7	1552.6	1628.1	1698.9	1689.0	1691.1	1602.0	1442.0	1229.8
15°	1383.1	1392.6	1409.2	1434.5	1527.3	1653.3	1717.6	1738.3	1700.6	1530.2	1267.1
17.5°	1376.1	1383.9	1386.4	1396.0	1450.3	1580.0	1706.0	1745.4	1788.5	1613.6	1308.9
20°	1430.4	1433.7	1431.6	1424.6	1444.0	1540.2	1669.5	1725.9	1861.0	1702.3	1345.8
22.5°	1532.7	1527.8	1521.5	1495.4	1494.2	1551.4	1649.6	1708.5	1904.1	1775.6	1370.3
25°	1659.6	1649.2	1640.5	1603.6	1586.2	1609.8	1667.4	1714.7	1943.1	1846.9	1387.7
27.5°	1798.0	1801.3	1779.8	1730.0	1702.7	1697.7	1722.6	1757.8	1980.8	1910.7	1397.2
30°	1946.0	1947.6	1919.4	1868.0	1843.2	1811.3	1809.6	1830.7	2021.4	1984.1	1406.3
32.5°	2114.7	2119.2	2073.2	2019.7	1976.2	1934.8	1914.5	1932.3	2094.4	2079.8	1425.0
35°	2358.4	2338.5	2276.3	2195.5	2133.7	2079.4	2048.3	2059.9	2191.3	2194.7	1462.3
37.5°	2609.5	2607.5	2538.7	2422.2	2321.1	2253.5	2200.5	2219.5	2327.7	2348.4	1522.0
40°	2843.7	2849.1	2789.4	2687.9	2557.7	2441.7	2384.9	2397.7	2508.8	2534.9	1594.5
42.5°	2996.7	2993.8	2998.3	2969.3	2838.8	2702.0	2616.6	2623.6	2719.4	2733.1	1685.3
45°	3067.1	3055.9	3094.9	3186.9	3135.1	2991.3	2893.9	2885.2	2937.8	2934.1	1767.7
47.5°	3006.2	2985.5	3075.0	3296.7	3397.1	3353.5	3214.3	3198.5	3153.8	3123.9	1853.5
50°	2703.2	2694.1	2885.6	3244.5	3561.6	3688.4	3586.1	3527.6	3346.5	3264.0	1898.7
52.5°	2415.2	2389.9	2519.2	2978.0	3488.2	3957.8	3979.0	3874.9	3506.5	3304.2	1883.4
55°	1950.9	1919.9	2060.8	2446.7	3197.7	3992.2	4255.0	4200.7	3646.6	3254.5	1852.3
57.5°	1185.0	1154.3	1361.6	1752.4	2557.3	3706.3	4187.0	4242.2	3754.3	3199.8	1832.0
60°	498.2	478.7	560.0	836.4	1633.0	3046.0	3826.4	3964.1	3774.6	3124.7	1840.3
62.5°	259.0	250.3	254.9	334.9	660.3	2005.7	3184.8	3424.4	3569.9	3091.6	1848.6
65°	194.4	187.8	173.3	184.0	256.6	867.1	2288.7	2609.5	3126.0	3007.4	1792.6
67.5°	159.6	153.4	143.0	139.7	151.3	300.9	1168.4	1585.4	2449.6	2648.9	1592.0
70°	127.2	125.2	121.9	115.6	113.6	145.9	419.0	646.2	1619.8	1868.0	1153.9
72.5°	106.1	106.5	102.8	97.4	89.9	94.1	167.0	220.9	783.8	895.7	483.3
75°	88.7	88.7	89.9	82.5	75.0	64.7	92.8	107.8	251.6	206.8	103.2
77.5°	69.6	70.5	75.8	69.6	60.1	40.6	50.6	57.6	74.6	59.7	37.7
80°	55.5	54.7	52.6	62.6	53.9	28.6	24.0	26.5	34.8	28.6	18.7
82.5°	39.0	38.5	36.9	42.3	41.9	21.1	15.8	16.2	21.1	18.2	11.6
85°	9.5	11.2	23.6	19.9	17.4	12.4	9.5	10.4	13.7	12.0	6.2
87.5°	4.1	4.1	10.8	12.8	8.3	5.4	4.1	4.6	7.0	7.0	3.7
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°	1107.1	1107.1	1107.1	1107.1	1107.1	1107.1	1107.1	1107.1	1107.1	1107.1	1107.1
2.5°	1110.8	1083.9	1049.9	1013.8	976.9	932.6	904.4	881.2	862.9	848.8	843.9
5°	1114.9	1063.1	986.0	890.3	792.9	701.7	631.2	579.0	535.9	512.3	501.9
7.5°	1114.5	1045.7	906.5	746.1	587.7	456.3	363.1	305.5	266.9	251.2	241.6
10°	1114.1	1022.9	815.7	586.1	392.9	264.4	194.8	162.5	148.4	143.0	142.2
12.5°	1126.1	996.8	714.1	431.5	246.6	164.5	135.5	128.1	124.8	123.1	122.7
15°	1132.8	972.8	607.2	304.6	166.2	130.1	121.0	117.7	116.5	115.6	115.2
17.5°	1139.8	935.5	505.7	220.5	133.0	118.1	112.7	110.7	109.8	109.8	109.8
20°	1141.1	895.3	404.9	162.5	118.1	110.3	104.9	102.8	101.5	100.7	100.7
22.5°	1131.9	847.6	318.3	131.8	109.4	102.8	97.0	93.7	91.6	91.2	91.2
25°	1109.1	780.0	244.1	115.6	102.4	95.3	88.3	84.6	82.9	82.9	82.9
27.5°	1076.4	700.5	188.6	102.8	93.3	86.2	80.0	76.7	76.3	75.8	76.3
30°	1039.1	623.8	144.2	91.2	82.5	76.7	71.7	70.0	70.9	70.9	71.3
32.5°	1001.8	547.1	112.7	82.1	72.9	68.0	65.5	65.5	66.7	66.7	66.7
35°	969.9	472.1	94.5	74.6	66.3	62.2	60.9	62.2	63.0	63.4	63.4
37.5°	952.1	407.4	83.3	68.0	60.9	57.6	57.2	58.4	60.1	61.3	61.8
40°	945.4	357.7	76.7	63.0	56.0	53.9	53.5	55.1	58.0	60.1	60.5
42.5°	945.8	313.8	70.9	58.0	52.6	49.7	49.7	52.2	55.1	57.2	57.2
45°	948.7	276.0	65.1	53.1	49.7	44.8	45.2	48.5	50.6	52.6	52.6
47.5°	951.2	245.8	58.9	47.7	43.1	40.6	41.4	43.9	46.8	50.2	50.2
50°	936.7	224.2	52.6	41.9	37.7	36.9	38.5	40.6	44.8	48.1	48.5
52.5°	901.9	204.8	47.3	37.3	34.0	34.4	36.5	37.7	41.0	41.4	41.9
55°	886.6	194.8	43.1	34.0	31.1	32.3	33.6	34.0	33.2	31.1	31.1
57.5°	883.3	188.2	39.0	30.7	28.6	30.3	29.8	27.4	24.9	22.4	22.0
60°	886.6	179.1	35.6	26.5	26.1	26.5	25.3	20.7	17.4	15.8	14.9
62.5°	867.5	165.8	32.7	22.8	22.8	22.4	19.1	14.1	11.2	9.9	9.5
65°	804.5	139.7	29.8	19.1	18.7	17.8	12.8	9.5	7.5	6.2	5.8
67.5°	680.6	108.2	26.9	15.8	14.9	12.4	8.3	6.2	4.1	3.7	3.3
70°	464.2	67.1	22.8	12.4	11.2	7.9	5.0	3.7	2.5	2.1	1.7
72.5°	168.3	39.0	19.1	9.5	7.5	5.0	2.9	1.7	1.2	1.2	0.8
75°	39.8	27.4	14.5	7.0	5.0	2.9	1.7	1.2	0.8	0.8	0.4
77.5°	18.2	21.1	9.5	4.1	3.3	2.1	1.2	0.8	0.4	0.4	0.0
80°	10.4	14.9	4.6	2.9	2.5	1.7	0.8	0.4	0.4	0.0	0.0
82.5°	5.4	8.3	3.3	2.5	2.1	1.2	0.8	0.0	0.0	0.0	0.0
85°	3.7	4.1	2.5	2.1	1.7	1.2	0.8	0.0	0.0	0.0	0.0
87.5°	2.9	2.9	2.5	2.1	1.7	1.2	0.4	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)