

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: P671970

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671970
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
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ AFL distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

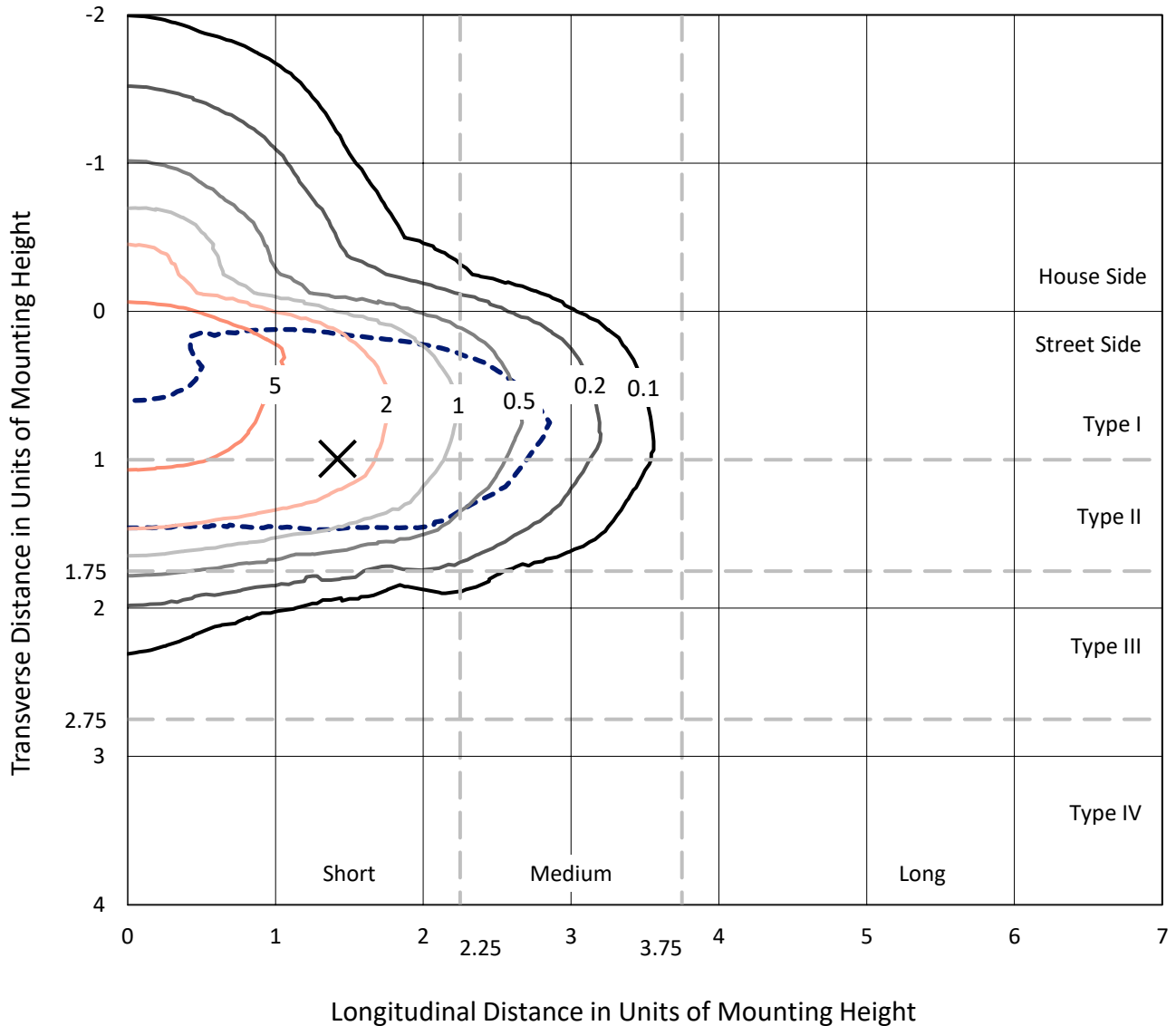
Lumens per Lamp: N/A
Luminaire Lumens: 6899.5 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): 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

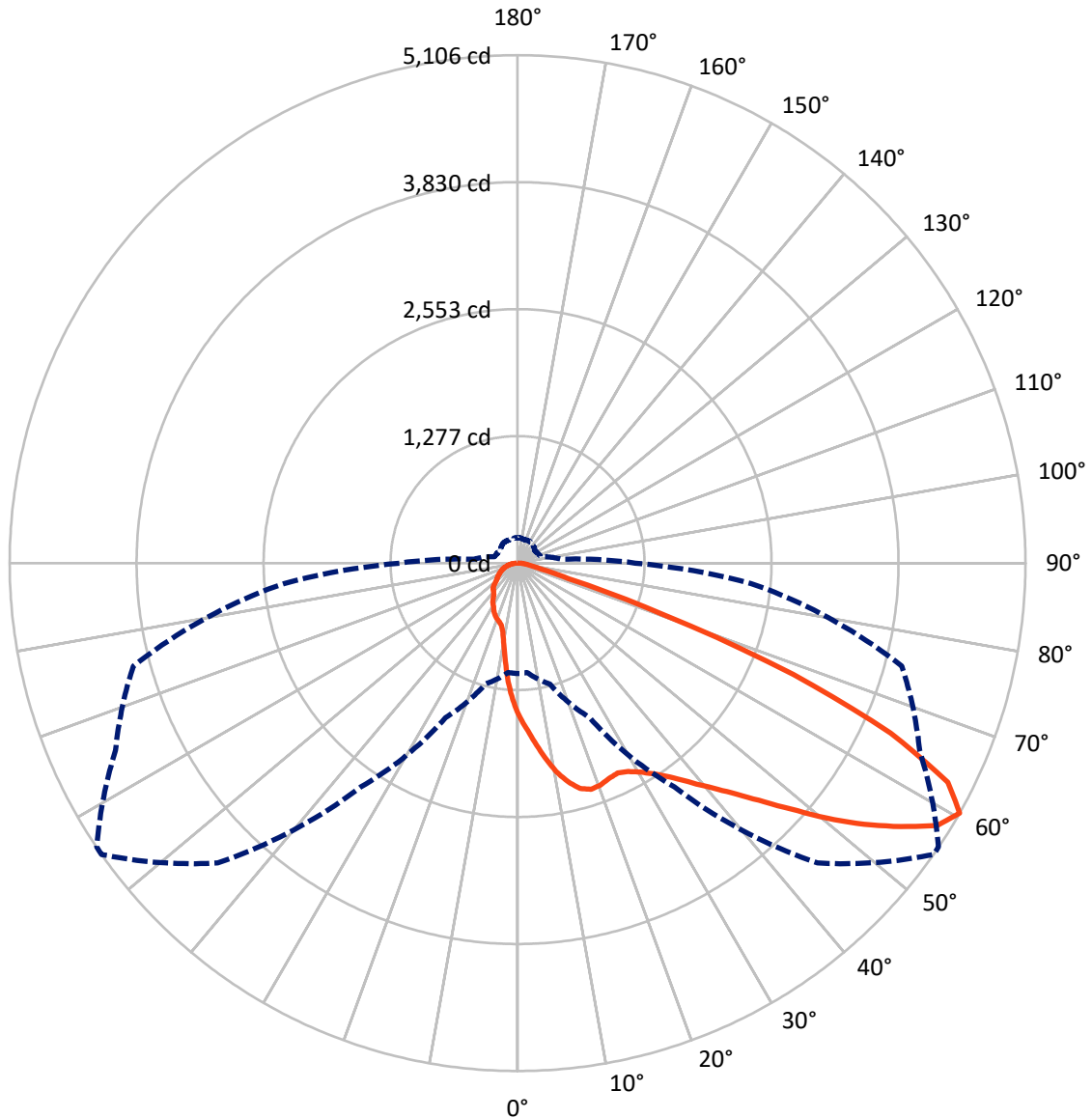
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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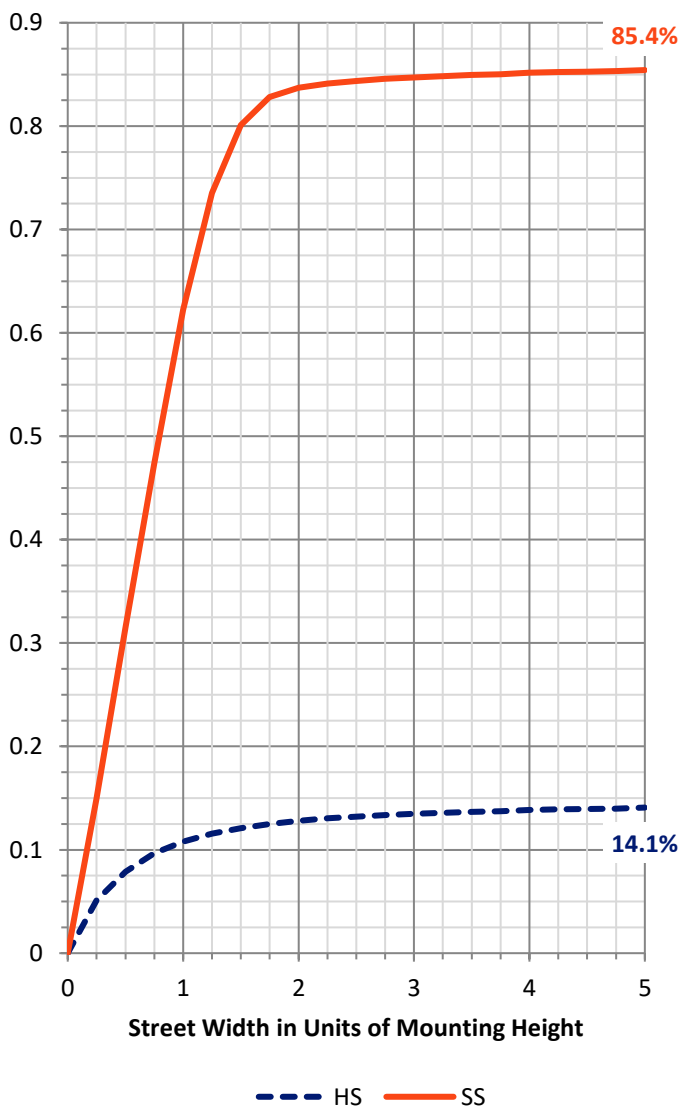
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	991.8	0.0	991.8
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5907.7	0.0	5907.7
	% Fixture	85.6	0.0	85.6
Total	Lumens	6899.5	0.0	6899.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.2	2.1
10°-20°	405.7	5.9
20°-30°	660.6	9.6
30°-40°	987.3	14.3
40°-50°	1451.1	21.0
50°-60°	1700.7	24.6
60°-70°	1121.4	16.3
70°-80°	357.1	5.2
80°-90°	72.6	1.1
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°	6899.5	100.0
0°-180°	6899.5	100.0



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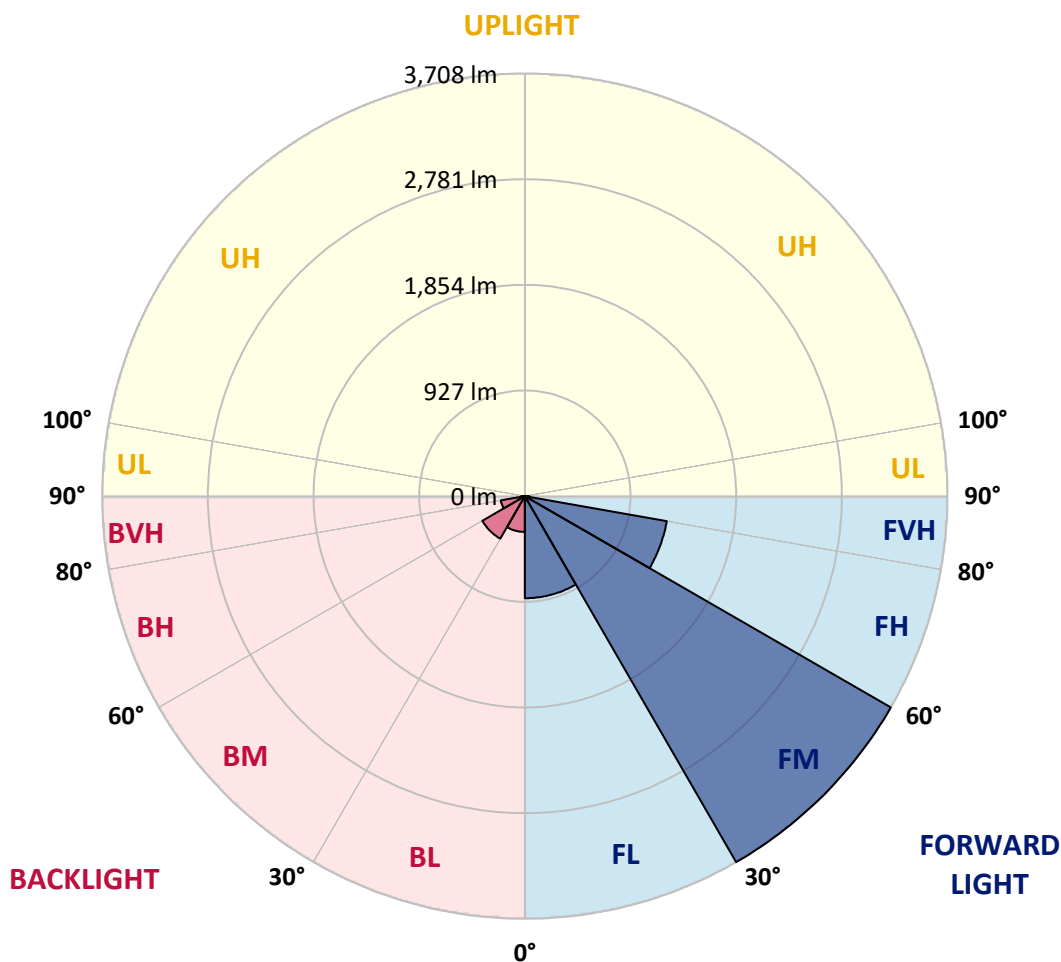
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	895.5	13.0			
FM (30°-60°)	3708.0	53.7			
FH (60°-80°)	1264.4	18.3			G1/1800
FVH (80°-90°)	39.8	0.6			G1/100
BL (0°-30°)	314.0	4.6	B1/500		
BM (30°-60°)	431.1	6.2	B1/1000		
BH (60°-80°)	214.0	3.1	B1/500		G1/500
BVH (80°-90°)	32.8	0.5			G1/100
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°	55°	56°	65°	75°	85°
0°	1530.2	1530.2	1530.2	1530.2	1530.2	1530.2	1530.2	1530.2	1530.2	1530.2	1530.2
2.5°	1780.7	1774.2	1774.2	1757.7	1733.2	1699.2	1658.7	1648.7	1633.2	1593.7	1542.7
5°	2052.2	2045.2	2035.7	2006.7	1961.2	1893.2	1807.7	1792.2	1736.7	1655.2	1563.2
7.5°	2231.8	2227.8	2224.8	2199.8	2154.7	2087.7	1973.2	1955.7	1861.7	1726.7	1582.7
10°	2213.3	2225.3	2246.3	2263.8	2272.8	2238.3	2130.7	2110.2	1993.7	1809.7	1611.7
12.5°	2039.7	2056.7	2095.7	2167.2	2249.8	2316.3	2255.3	2243.8	2134.7	1897.7	1648.2
15°	1910.7	1917.7	1936.7	1989.7	2112.7	2290.3	2351.8	2341.3	2266.3	2010.7	1690.2
17.5°	1870.7	1873.7	1878.2	1895.7	1979.7	2188.8	2391.3	2401.3	2393.8	2128.2	1737.7
20°	1890.7	1892.7	1893.2	1896.2	1936.2	2103.7	2380.8	2397.8	2505.8	2245.8	1784.7
22.5°	1967.7	1965.2	1961.7	1950.2	1972.7	2088.7	2352.8	2379.8	2592.3	2352.8	1828.2
25°	2102.2	2098.7	2074.2	2050.2	2059.7	2142.7	2337.8	2366.8	2659.8	2453.8	1860.2
27.5°	2262.3	2258.8	2233.8	2188.3	2178.3	2232.8	2372.8	2390.8	2709.3	2543.3	1874.2
30°	2428.3	2428.3	2397.3	2344.8	2312.8	2335.8	2437.3	2451.8	2746.8	2629.8	1883.2
32.5°	2609.3	2614.3	2566.3	2506.3	2470.8	2457.3	2527.8	2540.3	2801.3	2731.8	1902.2
35°	2841.8	2830.8	2772.3	2693.3	2636.3	2605.8	2639.8	2654.3	2881.3	2858.8	1932.7
37.5°	3103.4	3083.9	3011.8	2917.3	2817.8	2766.8	2789.3	2792.8	2999.8	3024.3	1988.2
40°	3319.4	3315.9	3254.9	3165.4	3039.8	2971.3	2960.3	2962.3	3164.4	3220.4	2072.2
42.5°	3501.4	3488.4	3477.4	3445.9	3312.9	3200.4	3155.4	3155.9	3342.9	3422.9	2156.7
45°	3581.9	3579.4	3611.9	3692.9	3597.4	3464.9	3400.9	3409.9	3547.4	3630.9	2238.3
47.5°	3547.4	3549.4	3636.4	3848.9	3905.4	3803.9	3690.4	3684.9	3745.4	3790.4	2310.3
50°	3239.4	3271.9	3507.4	3863.4	4107.5	4158.0	4030.0	4009.5	3919.0	3917.5	2354.3
52.5°	3006.8	3005.3	3149.9	3715.9	4179.0	4477.5	4362.5	4316.5	4062.5	3989.0	2357.8
55°	2692.8	2690.8	2798.3	3284.4	4037.0	4700.5	4676.0	4618.5	4194.0	4012.5	2333.8
57.5°	2039.2	2077.2	2184.3	2629.3	3586.9	4665.0	4975.6	4927.6	4322.5	4002.0	2329.3
60°	1109.6	1105.1	1260.1	1713.7	2746.3	4262.0	5106.1	5103.6	4459.0	3998.0	2356.8
62.5°	511.6	506.6	537.6	763.1	1574.7	3414.4	4854.1	4890.1	4585.5	3961.5	2354.3
65°	382.5	369.5	327.5	355.0	602.6	2038.2	4123.0	4219.0	4390.5	3811.4	2245.3
67.5°	341.0	328.5	279.5	262.0	302.5	719.1	2990.8	3079.4	3671.4	3530.4	2068.7
70°	312.5	301.5	252.5	225.0	227.0	318.5	1565.7	1739.7	2690.8	2946.3	1763.2
72.5°	285.0	275.5	231.0	198.0	191.0	210.5	533.6	643.6	1673.7	2147.2	1314.7
75°	256.0	247.0	208.0	177.5	164.0	156.0	254.0	273.5	885.1	1185.6	705.6
77.5°	222.5	217.5	185.5	156.5	145.0	118.0	169.0	177.5	379.0	465.6	336.0
80°	193.5	189.5	165.5	142.0	130.0	91.0	116.5	122.5	187.0	232.5	188.0
82.5°	126.0	136.0	137.0	122.0	114.5	73.0	77.0	81.5	124.0	137.0	82.0
85°	52.0	63.0	94.5	84.0	79.5	62.0	51.0	52.0	76.0	80.0	29.5
87.5°	23.5	26.0	46.5	47.0	41.0	23.5	25.5	28.0	39.0	38.5	13.0
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°	1530.2	1530.2	1530.2	1530.2	1530.2	1530.2	1530.2	1530.2	1530.2	1530.2	1530.2
2.5°	1528.7	1505.7	1464.7	1412.2	1374.7	1347.2	1317.2	1295.1	1270.6	1249.1	1252.6
5°	1525.2	1480.7	1388.7	1291.1	1196.1	1118.1	1053.1	1005.1	955.6	936.1	933.6
7.5°	1528.2	1452.7	1301.6	1142.1	997.6	898.1	822.6	777.1	748.6	732.1	733.1
10°	1527.2	1426.2	1207.6	987.6	829.6	738.6	692.6	677.6	675.1	677.1	680.1
12.5°	1528.7	1390.2	1102.1	848.6	709.1	662.6	664.6	678.1	686.6	692.1	695.6
15°	1535.2	1360.7	994.1	739.1	646.1	647.6	669.1	690.1	702.6	708.6	711.6
17.5°	1544.7	1323.7	898.1	656.1	619.6	642.6	670.6	693.1	702.6	706.1	708.6
20°	1545.7	1281.1	801.1	599.1	602.1	632.1	656.6	674.6	686.6	690.6	692.6
22.5°	1541.2	1223.6	701.6	557.6	582.1	612.1	633.1	653.6	637.6	624.6	621.1
25°	1522.2	1151.1	616.6	523.6	557.1	585.1	609.1	586.6	579.1	569.1	570.1
27.5°	1481.2	1060.6	536.6	491.6	527.6	567.6	550.1	547.1	537.6	527.6	527.6
30°	1427.2	965.1	469.6	458.1	492.1	512.1	516.1	511.6	506.1	493.1	494.1
32.5°	1378.7	864.1	422.0	430.0	469.6	469.6	487.1	487.1	467.1	430.5	430.5
35°	1330.7	769.1	387.0	406.5	432.5	441.1	465.1	433.5	405.0	388.5	387.5
37.5°	1293.1	688.1	364.0	386.5	396.5	418.0	418.5	395.5	386.0	371.0	369.5
40°	1271.1	620.1	350.0	376.5	377.5	397.5	364.5	371.0	369.0	357.5	356.0
42.5°	1259.1	567.6	339.5	368.0	363.0	343.5	337.5	348.5	352.0	346.0	343.5
45°	1249.6	526.6	331.0	338.5	351.5	316.0	313.5	322.0	329.5	329.0	327.0
47.5°	1244.6	498.1	323.5	320.0	322.5	299.5	294.5	298.5	308.0	314.0	313.5
50°	1225.1	476.1	312.5	301.0	285.0	285.0	282.5	282.5	294.0	306.0	307.0
52.5°	1190.6	450.1	296.5	283.0	264.5	272.5	273.5	271.5	283.5	296.5	297.5
55°	1152.6	430.5	275.0	266.5	247.5	261.0	265.5	263.5	271.5	280.5	280.0
57.5°	1153.1	430.0	256.5	250.0	231.5	246.5	257.5	258.0	257.5	264.0	264.0
60°	1182.1	440.1	242.0	228.0	213.0	231.0	249.0	249.0	245.5	255.0	256.0
62.5°	1190.6	439.1	233.0	207.0	196.5	217.0	236.5	239.5	237.0	250.5	252.0
65°	1115.6	415.5	224.0	188.0	181.5	201.5	221.0	229.5	227.0	244.5	246.5
67.5°	1011.6	385.0	210.0	171.0	166.0	186.5	205.0	214.0	213.5	236.5	237.5
70°	872.1	347.5	192.5	153.5	151.0	169.0	185.5	195.0	199.5	226.0	225.5
72.5°	675.6	298.0	166.0	135.0	134.5	151.0	165.5	176.0	184.5	210.0	210.0
75°	435.6	234.5	135.5	117.0	115.0	130.5	145.5	157.5	183.5	224.0	223.5
77.5°	266.0	179.0	109.0	97.5	97.0	111.0	126.0	146.5	200.5	199.5	194.0
80°	159.5	128.5	87.0	78.0	78.0	91.0	107.5	157.0	166.5	190.0	179.5
82.5°	83.0	79.0	65.0	57.5	60.0	71.5	98.0	125.5	136.0	115.5	106.0
85°	34.0	42.0	40.0	36.5	38.0	49.5	94.5	100.5	80.5	84.5	85.0
87.5°	11.5	18.5	18.5	14.5	16.0	35.0	56.0	33.5	40.5	24.0	18.0
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)