

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: P674479

Luminaire Tested: **CCP-SA-2E-835-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674479
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-835-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ AFL distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

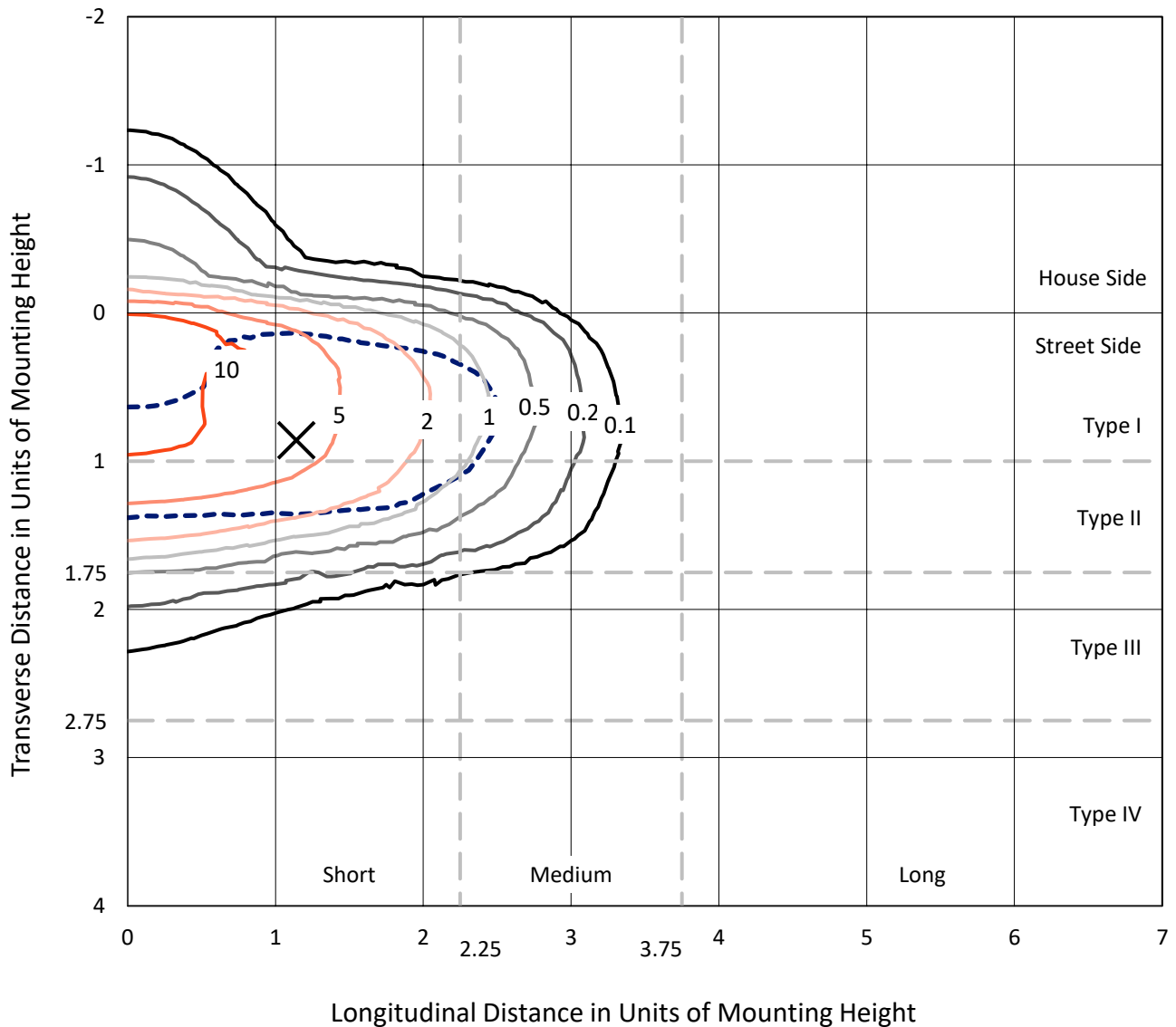
Lumens per Lamp: N/A
Luminaire Lumens: 9342.9 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 106.6
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

REPORT NUMBER: P674479
 CATALOG NUMBER: CCP-SA-2E-835-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

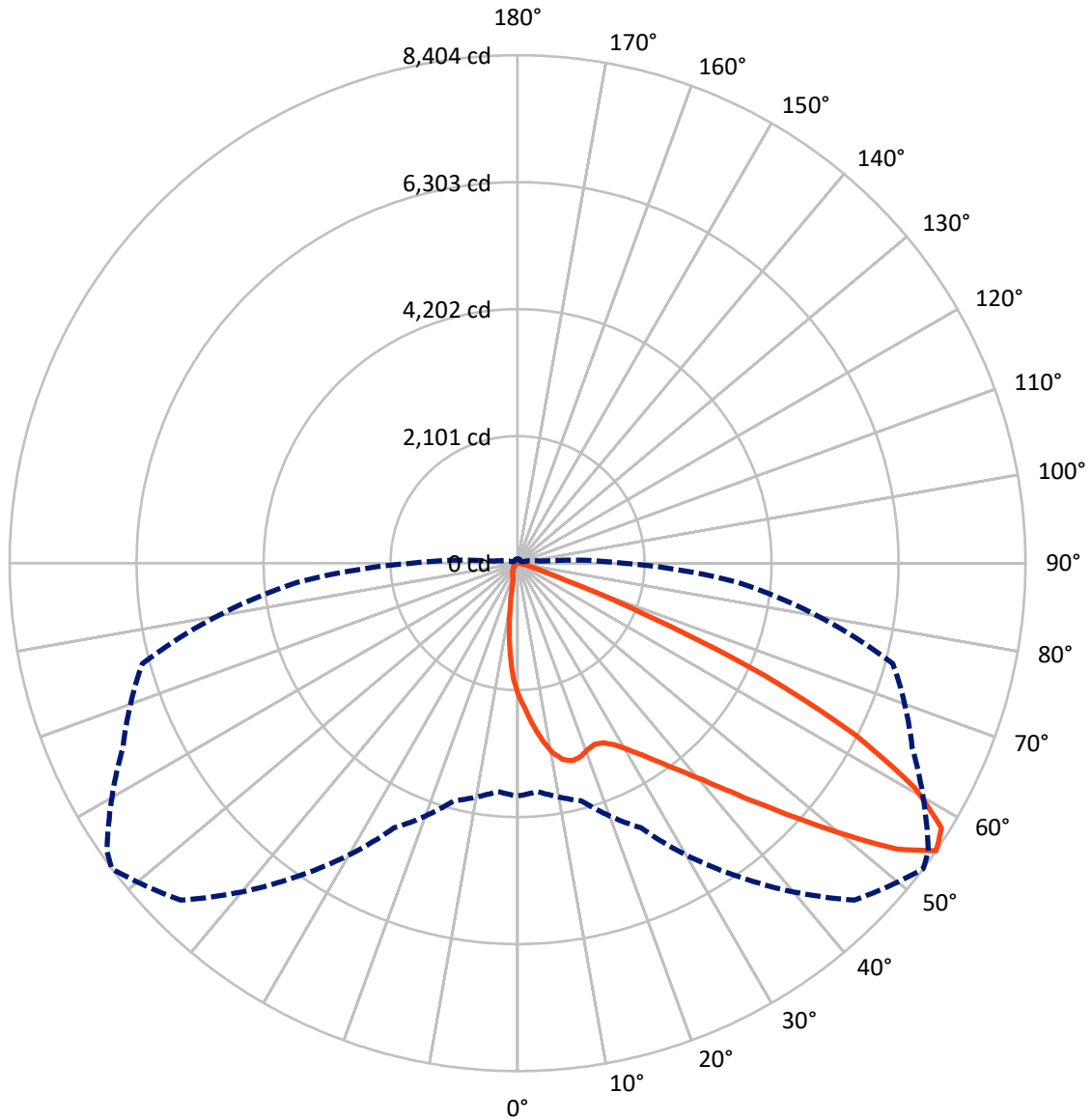
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 14.1 fc
 Type II - Short - N/A

REPORT NUMBER: P674479
CATALOG NUMBER: CCP-SA-2E-835-U-AFL-HSS

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	505.0	0.0	505.0
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	8837.9	0.0	8837.9
	% Fixture	94.6	0.0	94.6
Total	Lumens	9342.9	0.0	9342.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.5	2.1
10°-20°	510.8	5.5
20°-30°	854.9	9.2
30°-40°	1398.7	15.0
40°-50°	2248.3	24.1
50°-60°	2538.4	27.2
60°-70°	1354.0	14.5
70°-80°	222.5	2.4
80°-90°	19.9	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°	9342.9	100.0
0°-180°	9342.9	100.0



REPORT NUMBER: P674479

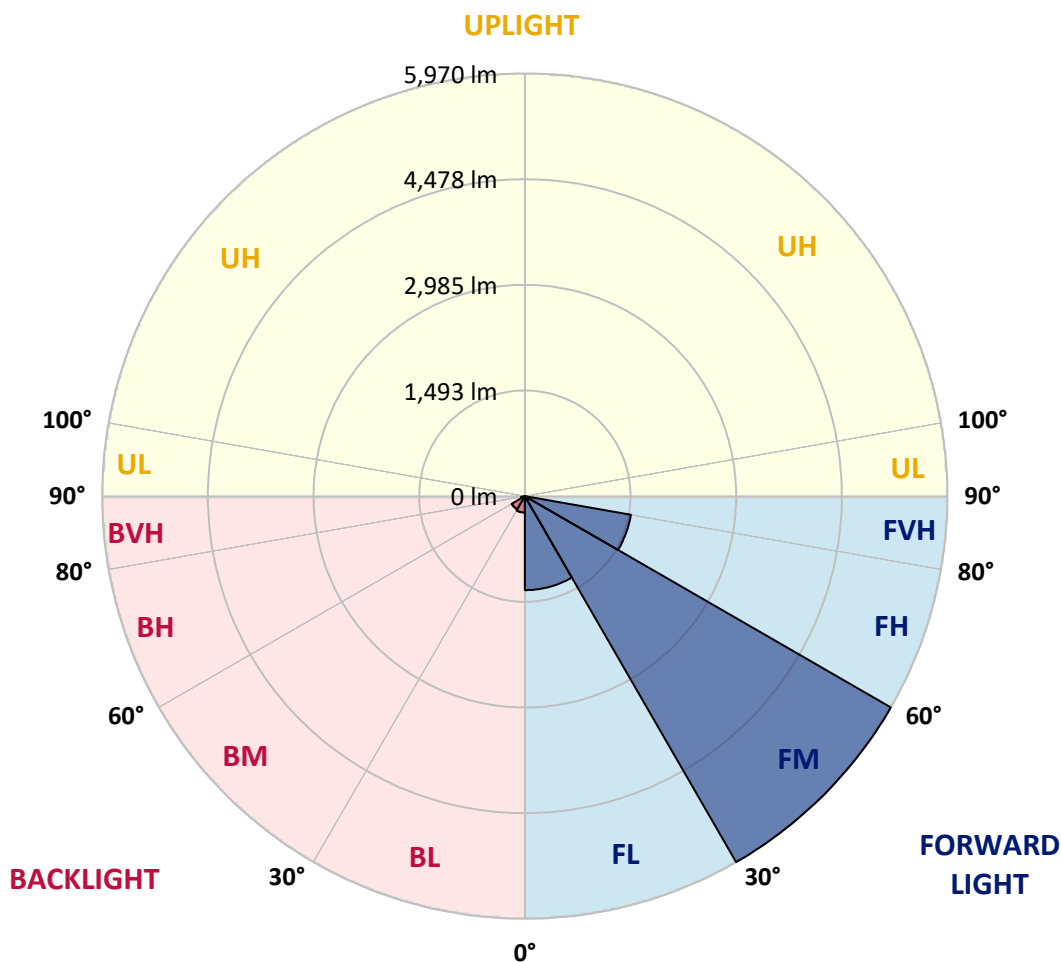
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1328.2	14.2			
FM (30°-60°)	5970.2	63.9			
FH (60°-80°)	1521.3	16.3			G1/1800
FVH (80°-90°)	18.3	0.2			G1/100
BL (0°-30°)	233.1	2.5	B1/500		
BM (30°-60°)	215.1	2.3	B0/220		
BH (60°-80°)	55.2	0.6	B0/110		G0/110
BVH (80°-90°)	1.6	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





REPORT NUMBER: P674479

CATALOG NUMBER: CCP-SA-2E-835-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2186.5	2186.5	2186.5	2186.5	2186.5	2186.5	2186.5	2186.5	2186.5	2186.5	2186.5
2.5°	2622.0	2606.4	2615.4	2591.7	2548.3	2494.3	2413.2	2417.3	2353.5	2297.8	2220.8
5°	3055.0	3038.6	3033.7	2973.1	2912.6	2815.1	2694.8	2675.2	2558.1	2416.5	2255.2
7.5°	3283.4	3269.5	3280.1	3258.0	3198.2	3109.8	2957.6	2942.8	2761.9	2547.5	2310.1
10°	3178.6	3173.7	3218.7	3271.1	3319.4	3308.8	3186.8	3163.9	2960.8	2691.5	2366.6
12.5°	2897.0	2912.6	2969.9	3066.4	3215.4	3355.4	3335.8	3339.9	3163.9	2847.9	2428.8
15°	2731.6	2750.5	2783.2	2833.1	3016.5	3265.4	3392.2	3433.2	3358.7	3022.2	2502.4
17.5°	2717.7	2733.3	2738.2	2757.0	2864.3	3120.5	3369.3	3447.1	3532.2	3186.8	2585.1
20°	2825.0	2831.5	2827.4	2813.5	2852.0	3041.9	3297.3	3408.6	3675.5	3362.0	2658.0
22.5°	3027.2	3017.3	3005.1	2953.5	2951.0	3064.0	3258.0	3374.2	3760.6	3506.8	2706.3
25°	3277.6	3257.2	3240.0	3167.1	3132.8	3179.4	3293.2	3386.5	3837.6	3647.6	2740.6
27.5°	3551.1	3557.6	3515.0	3416.8	3362.8	3353.0	3402.1	3471.7	3912.1	3773.7	2759.5
30°	3843.3	3846.6	3790.9	3689.4	3640.3	3577.2	3574.0	3615.7	3992.3	3918.6	2777.5
32.5°	4176.5	4185.5	4094.6	3989.0	3903.0	3821.2	3781.1	3816.3	4136.3	4107.7	2814.3
35°	4657.8	4618.5	4495.7	4336.1	4214.1	4106.9	4045.5	4068.4	4327.9	4334.4	2888.0
37.5°	5153.9	5149.8	5013.9	4783.9	4584.1	4450.7	4345.9	4383.6	4597.2	4638.1	3005.9
40°	5616.4	5627.0	5509.1	5308.6	5051.5	4822.3	4710.2	4735.6	4954.9	5006.5	3149.1
42.5°	5918.4	5912.7	5921.7	5864.4	5606.5	5336.4	5167.8	5181.7	5370.8	5397.8	3328.4
45°	6057.6	6035.5	6112.4	6294.2	6191.8	5907.8	5715.4	5698.2	5802.2	5794.8	3491.3
47.5°	5937.3	5896.3	6073.1	6511.1	6709.2	6623.2	6348.2	6317.1	6228.7	6169.7	3660.7
50°	5338.9	5320.9	5699.0	6407.9	7034.2	7284.7	7082.5	6967.0	6609.3	6446.4	3750.0
52.5°	4769.9	4720.0	4975.4	5881.6	6889.3	7816.7	7858.5	7653.0	6925.3	6525.8	3719.7
55°	3853.1	3791.7	4070.0	4832.2	6315.4	7884.7	8403.7	8296.4	7202.0	6427.6	3658.3
57.5°	2340.4	2279.8	2689.1	3461.0	5050.7	7319.9	8269.4	8378.3	7414.8	6319.5	3618.2
60°	983.9	945.5	1105.9	1651.9	3225.3	6015.8	7557.2	7829.0	7454.9	6171.4	3634.6
62.5°	511.6	494.4	503.4	661.4	1304.0	3961.2	6290.1	6763.2	7050.5	6105.9	3650.9
65°	383.9	370.8	342.2	363.5	506.7	1712.5	4520.3	5153.9	6173.8	5939.7	3540.4
67.5°	315.2	302.9	282.4	275.9	298.8	594.3	2307.6	3131.1	4837.9	5231.6	3144.2
70°	251.3	247.2	240.7	228.4	224.3	288.1	827.6	1276.2	3199.1	3689.4	2279.0
72.5°	209.6	210.4	203.0	192.4	177.6	185.8	329.9	436.3	1548.0	1769.0	954.5
75°	175.2	175.2	177.6	162.9	148.2	127.7	183.4	212.8	496.9	408.5	203.8
77.5°	137.5	139.2	149.8	137.5	118.7	80.2	99.9	113.8	147.3	117.9	74.5
80°	109.7	108.1	104.0	123.6	106.4	56.5	47.5	52.4	68.8	56.5	36.8
82.5°	76.9	76.1	72.9	83.5	82.7	41.7	31.1	31.9	41.7	36.0	22.9
85°	18.8	22.1	46.7	39.3	34.4	24.6	18.8	20.5	27.0	23.7	12.3
87.5°	8.2	8.2	21.3	25.4	16.4	10.6	8.2	9.0	13.9	13.9	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674479
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2186.5	2186.5	2186.5	2186.5	2186.5	2186.5	2186.5	2186.5	2186.5	2186.5	2186.5
2.5°	2193.8	2140.6	2073.5	2002.3	1929.4	1841.8	1786.2	1740.3	1704.3	1676.5	1666.7
5°	2202.0	2099.7	1947.4	1758.3	1566.0	1385.9	1246.7	1143.6	1058.4	1011.8	991.3
7.5°	2201.2	2065.3	1790.3	1473.5	1160.8	901.3	717.1	603.3	527.2	496.1	477.2
10°	2200.4	2020.3	1611.0	1157.5	776.0	522.3	384.7	320.9	293.1	282.4	280.8
12.5°	2224.1	1968.7	1410.4	852.2	487.1	325.0	267.7	252.9	246.4	243.1	242.3
15°	2237.2	1921.2	1199.2	601.7	328.3	257.0	239.0	232.5	230.0	228.4	227.6
17.5°	2251.1	1847.6	998.7	435.5	262.8	233.3	222.7	218.6	216.9	216.9	216.9
20°	2253.6	1768.2	799.8	320.9	233.3	217.7	207.1	203.0	200.6	198.9	198.9
22.5°	2235.6	1674.0	628.7	260.3	216.1	203.0	191.6	185.0	180.9	180.1	180.1
25°	2190.6	1540.6	482.2	228.4	202.2	188.3	174.4	167.0	163.7	163.7	163.7
27.5°	2125.9	1383.4	372.5	203.0	184.2	170.3	158.0	151.4	150.6	149.8	150.6
30°	2052.2	1232.0	284.9	180.1	162.9	151.4	141.6	138.3	140.0	140.0	140.8
32.5°	1978.5	1080.5	222.7	162.1	144.1	134.2	129.3	129.3	131.8	131.8	131.8
35°	1915.5	932.4	186.6	147.3	131.0	122.8	120.3	122.8	124.4	125.2	125.2
37.5°	1880.3	804.7	164.5	134.2	120.3	113.8	113.0	115.4	118.7	121.2	122.0
40°	1867.2	706.4	151.4	124.4	110.5	106.4	105.6	108.9	114.6	118.7	119.5
42.5°	1868.0	619.7	140.0	114.6	104.0	98.2	98.2	103.1	108.9	113.0	113.0
45°	1873.8	545.2	128.5	104.8	98.2	88.4	89.2	95.8	99.9	104.0	104.0
47.5°	1878.7	485.4	116.2	94.1	85.1	80.2	81.9	86.8	92.5	99.0	99.0
50°	1850.0	442.9	104.0	82.7	74.5	72.9	76.1	80.2	88.4	95.0	95.8
52.5°	1781.3	404.4	93.3	73.7	67.1	67.9	72.0	74.5	81.0	81.9	82.7
55°	1751.0	384.7	85.1	67.1	61.4	63.9	66.3	67.1	65.5	61.4	61.4
57.5°	1744.4	371.6	76.9	60.6	56.5	59.8	58.9	54.0	49.1	44.2	43.4
60°	1751.0	353.6	70.4	52.4	51.6	52.4	49.9	40.9	34.4	31.1	29.5
62.5°	1713.3	327.4	64.7	45.0	45.0	44.2	37.7	27.8	22.1	19.6	18.8
65°	1588.9	275.9	58.9	37.7	36.8	35.2	25.4	18.8	14.7	12.3	11.5
67.5°	1344.1	213.7	53.2	31.1	29.5	24.6	16.4	12.3	8.2	7.4	6.5
70°	916.8	132.6	45.0	24.6	22.1	15.6	9.8	7.4	4.9	4.1	3.3
72.5°	332.3	76.9	37.7	18.8	14.7	9.8	5.7	3.3	2.5	2.5	1.6
75°	78.6	54.0	28.7	13.9	9.8	5.7	3.3	2.5	1.6	1.6	0.8
77.5°	36.0	41.7	18.8	8.2	6.5	4.1	2.5	1.6	0.8	0.8	0.0
80°	20.5	29.5	9.0	5.7	4.9	3.3	1.6	0.8	0.8	0.0	0.0
82.5°	10.6	16.4	6.5	4.9	4.1	2.5	1.6	0.0	0.0	0.0	0.0
85°	7.4	8.2	4.9	4.1	3.3	2.5	1.6	0.0	0.0	0.0	0.0
87.5°	5.7	5.7	4.9	4.1	3.3	2.5	0.8	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)