

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: P674623

Luminaire Tested: **CCP-SA-2E-835-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674623
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-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

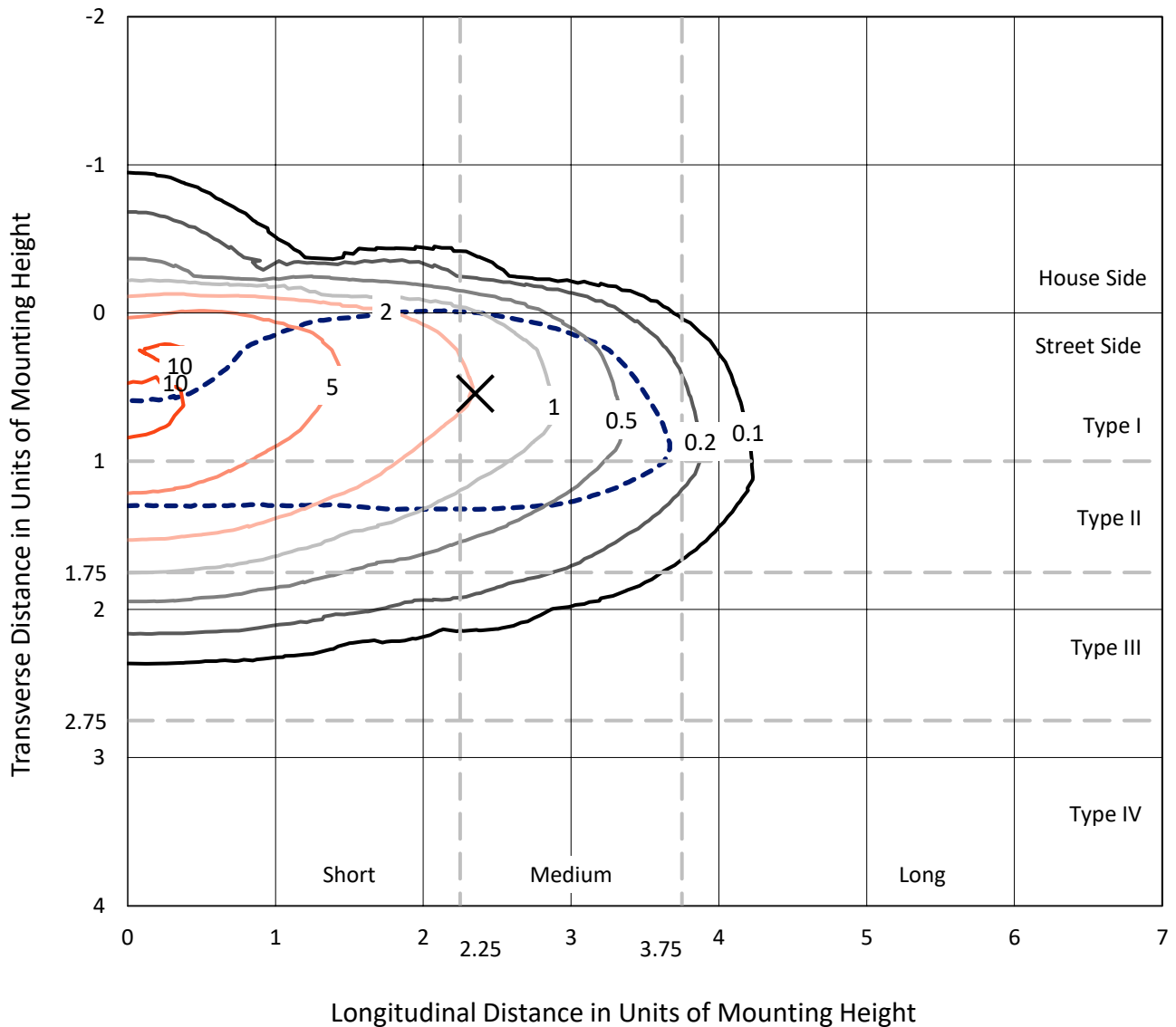
Lumens per Lamp: N/A
Luminaire Lumens: 9122.6 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

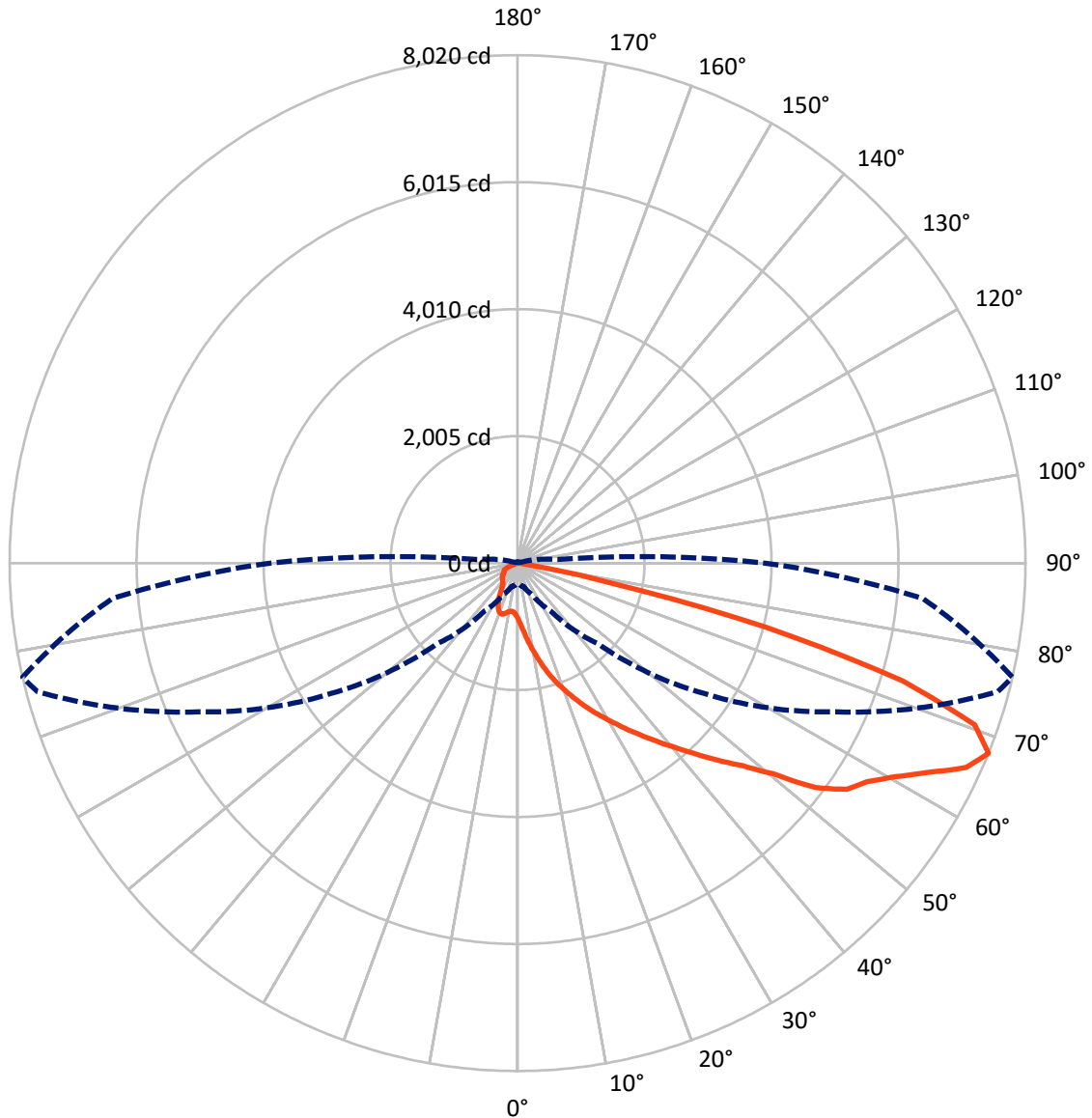
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	570.1	0.0	570.1
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	8552.5	0.0	8552.5
	% Fixture	93.8	0.0	93.8
Total	Lumens	9122.6	0.0	9122.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	1.1
10°-20°	379.7	4.2
20°-30°	741.9	8.1
30°-40°	1297.1	14.2
40°-50°	1891.7	20.7
50°-60°	2212.0	24.2
60°-70°	1793.1	19.7
70°-80°	673.6	7.4
80°-90°	30.6	0.3
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°	9122.6	100.0
0°-180°	9122.6	100.0



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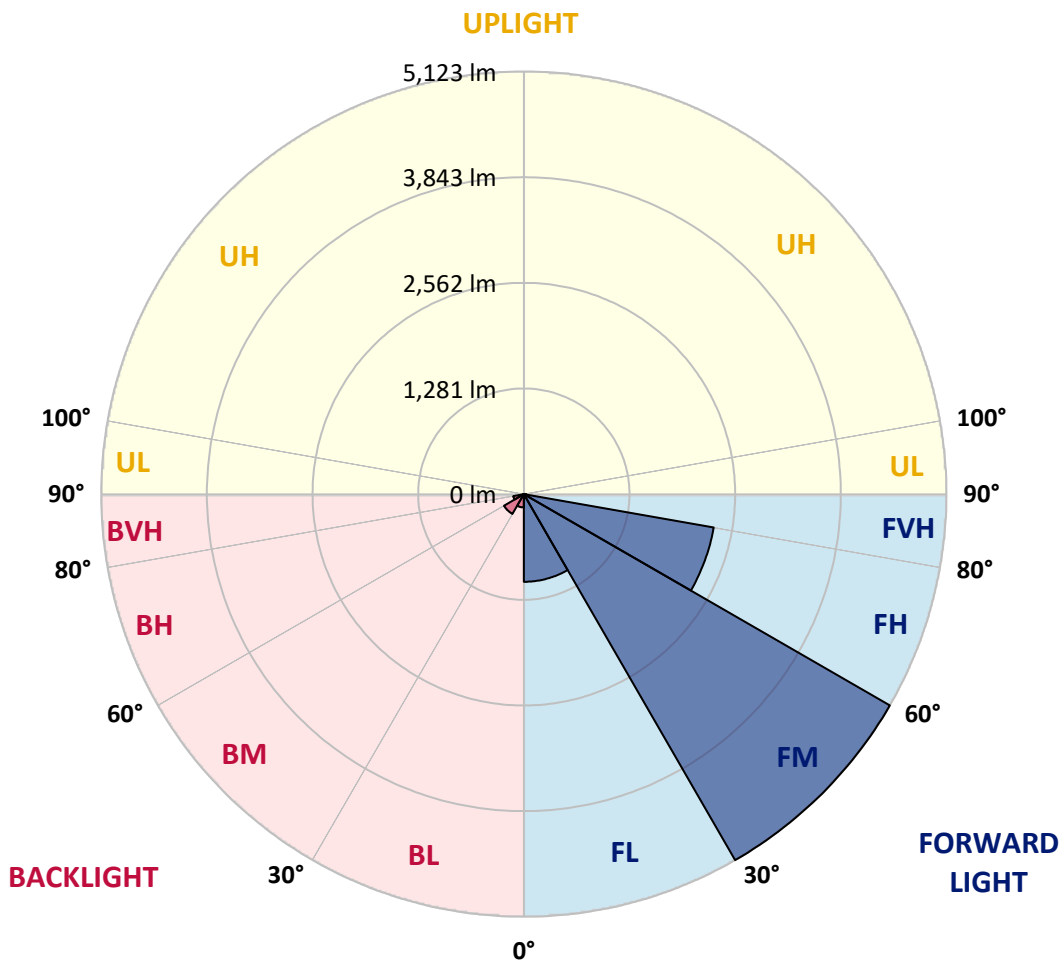
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1062.7	11.6			
FM (30°-60°)	5123.5	56.2			
FH (60°-80°)	2337.5	25.6			G2/5000
FVH (80°-90°)	28.9	0.3			G1/100
BL (0°-30°)	161.7	1.8	B1/500		
BM (30°-60°)	277.4	3.0	B1/1000		
BH (60°-80°)	129.3	1.4	B1/500		G1/500
BVH (80°-90°)	1.8	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-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	873.8	873.8	873.8	873.8	873.8	873.8	873.8	873.8	873.8	873.8	873.8
2.5°	1311.9	1264.1	1273.2	1253.4	1227.9	1168.6	1106.0	1043.4	987.4	975.1	919.1
5°	1680.0	1665.2	1649.5	1636.4	1582.8	1508.7	1395.9	1252.6	1123.3	1101.1	985.0
7.5°	1965.8	1943.5	1957.5	1917.2	1861.2	1789.5	1646.3	1493.1	1293.8	1260.8	1080.5
10°	2176.6	2164.3	2170.8	2151.9	2124.7	2053.1	1911.4	1719.5	1489.0	1426.4	1187.5
12.5°	2334.7	2337.2	2366.0	2367.7	2345.4	2287.0	2137.1	1937.0	1666.0	1610.0	1306.1
15°	2450.0	2452.5	2487.9	2525.8	2551.3	2520.8	2385.0	2161.0	1874.4	1797.8	1430.5
17.5°	2469.0	2470.6	2533.2	2609.8	2688.8	2715.2	2610.6	2383.3	2064.6	1977.3	1573.0
20°	2481.3	2495.3	2551.3	2639.4	2764.6	2846.1	2789.3	2596.6	2249.1	2147.8	1713.0
22.5°	2631.2	2631.2	2664.1	2726.7	2826.4	2954.0	2942.5	2792.6	2428.6	2328.1	1852.1
25°	2949.1	2949.1	2917.0	2900.5	2954.0	3054.5	3083.3	3001.8	2633.7	2515.1	1998.7
27.5°	3369.9	3369.9	3319.7	3198.6	3152.5	3194.5	3225.0	3183.8	2823.1	2706.1	2153.5
30°	3806.4	3821.2	3733.9	3579.9	3418.5	3386.4	3356.7	3347.7	3024.9	2893.1	2310.8
32.5°	4244.5	4242.9	4134.2	3942.3	3731.4	3617.8	3521.4	3510.7	3239.0	3109.7	2459.9
35°	4594.5	4595.3	4480.9	4284.0	4040.3	3895.3	3740.5	3690.3	3473.7	3329.6	2637.8
37.5°	4897.6	4880.3	4756.7	4569.8	4342.5	4192.6	3999.9	3869.0	3716.6	3570.0	2815.7
40°	5071.3	5048.3	4928.0	4750.2	4578.0	4463.6	4293.9	4084.7	3983.4	3825.3	3018.3
42.5°	5096.9	5077.1	4997.2	4890.2	4749.3	4648.9	4603.6	4328.5	4263.5	4120.2	3260.4
45°	5025.2	4993.1	4966.8	4910.8	4871.2	4822.6	4884.4	4587.9	4584.6	4442.2	3500.0
47.5°	4847.3	4803.7	4810.3	4872.0	4916.5	4960.2	5152.9	4928.0	4908.3	4774.9	3814.6
50°	4543.5	4522.0	4594.5	4716.4	4892.6	5067.2	5420.5	5275.6	5353.8	5228.6	4248.6
52.5°	3925.8	3952.2	4168.7	4461.9	4766.6	5117.5	5671.7	5794.4	5994.5	5891.6	4685.1
55°	3184.6	3174.7	3463.8	3984.3	4471.0	5085.3	5781.2	6099.9	6414.5	6306.6	4928.0
57.5°	2565.3	2582.6	2777.8	3292.5	3969.4	4837.5	5806.8	6259.7	6583.4	6511.7	5152.9
60°	1925.4	1941.9	2119.8	2567.8	3302.4	4320.3	5595.9	6315.7	6900.4	6846.1	5511.9
62.5°	1225.4	1246.8	1425.5	1861.2	2524.1	3516.5	5122.4	6257.2	7231.5	7276.8	6001.9
65°	602.8	621.8	753.5	1087.1	1687.4	2629.6	4461.9	6034.1	7653.1	7782.4	6394.8
67.5°	333.5	342.6	387.9	553.4	941.3	1803.5	3585.7	5557.2	7846.7	8019.6	6421.1
70°	259.4	261.9	279.2	322.8	458.7	1058.2	2550.5	4763.3	7445.6	7654.8	5886.6
72.5°	218.2	221.5	229.8	244.6	286.6	550.9	1602.6	3681.2	6264.6	6359.4	4554.2
75°	159.8	164.7	187.8	200.9	226.5	334.4	706.6	2212.0	4139.9	4046.9	2548.0
77.5°	134.2	138.4	144.1	163.1	186.9	228.1	247.9	927.3	1685.0	1465.1	668.7
80°	91.4	96.4	112.0	121.9	158.1	150.7	102.9	248.7	338.5	275.9	128.5
82.5°	65.1	69.2	77.4	99.6	114.5	79.9	56.0	75.8	81.5	77.4	42.0
85°	20.6	26.4	56.0	82.4	61.8	27.2	35.4	28.8	25.5	24.7	16.5
87.5°	4.1	4.1	28.0	32.9	24.7	14.0	12.4	9.1	11.5	11.5	9.1
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°	873.8	873.8	873.8	873.8	873.8	873.8	873.8	873.8	873.8	873.8	873.8
2.5°	892.7	855.7	802.1	751.9	700.8	664.6	639.1	613.5	603.7	599.5	588.8
5°	932.2	861.4	755.2	669.5	606.9	567.4	543.5	522.9	509.8	505.7	499.9
7.5°	989.1	886.9	734.6	635.8	573.2	530.4	491.7	447.2	411.8	397.8	392.0
10°	1050.8	925.7	737.9	629.2	546.0	452.1	365.7	294.0	262.7	251.2	242.9
12.5°	1141.4	968.5	751.9	621.8	464.5	322.8	233.9	204.2	196.8	195.2	193.5
15°	1232.0	1028.6	774.9	572.4	346.7	219.9	194.4	183.6	179.5	175.4	175.4
17.5°	1323.4	1086.2	784.0	476.0	239.6	190.2	177.1	168.0	161.4	158.1	155.6
20°	1426.4	1147.2	757.7	358.2	191.9	173.8	158.9	148.2	142.5	139.2	136.7
22.5°	1537.5	1207.3	700.0	249.5	174.6	156.5	142.5	131.8	126.0	122.7	121.9
25°	1642.1	1259.2	607.8	187.8	157.3	140.0	126.8	117.8	113.6	110.4	109.5
27.5°	1750.0	1303.7	487.5	165.5	143.3	126.8	113.6	106.2	102.1	99.6	98.8
30°	1855.4	1334.1	363.2	151.5	130.9	114.5	102.9	97.2	93.1	90.6	89.8
32.5°	1964.1	1351.4	245.4	139.2	118.6	103.8	93.9	88.1	85.6	83.2	83.2
35°	2068.7	1349.0	177.1	127.6	108.7	93.9	84.8	80.7	79.9	77.4	77.4
37.5°	2183.2	1331.7	150.7	116.9	98.0	84.8	77.4	74.9	74.1	72.5	71.6
40°	2313.3	1293.0	137.5	108.7	88.9	77.4	70.8	69.2	68.4	66.7	66.7
42.5°	2455.8	1242.7	130.1	99.6	81.5	70.0	65.1	62.6	61.8	60.1	60.1
45°	2621.3	1195.0	125.2	90.6	74.9	64.2	59.3	56.8	56.0	54.4	54.4
47.5°	2847.0	1167.8	116.9	82.4	67.5	58.5	53.5	51.9	50.2	48.6	48.6
50°	3157.4	1135.7	106.2	74.1	61.8	52.7	49.4	46.9	46.1	44.5	44.5
52.5°	3412.7	1067.3	95.5	65.9	55.2	48.6	45.3	43.6	42.0	41.2	41.2
55°	3502.5	987.4	84.8	59.3	50.2	45.3	42.0	40.4	39.5	38.7	38.7
57.5°	3645.8	961.9	74.9	52.7	45.3	42.0	38.7	37.9	37.1	36.2	35.4
60°	3890.4	976.7	65.9	46.9	41.2	37.9	35.4	34.6	32.9	31.3	31.3
62.5°	4127.6	958.6	56.0	41.2	35.4	33.8	31.3	29.6	26.4	23.9	22.2
65°	4185.2	837.5	48.6	34.6	29.6	28.0	25.5	22.2	17.3	14.0	14.0
67.5°	3906.0	636.6	42.0	29.6	24.7	23.1	18.1	14.8	10.7	8.2	8.2
70°	3223.3	403.5	34.6	23.1	20.6	15.6	11.5	10.7	7.4	6.6	5.8
72.5°	2325.7	220.7	28.8	18.9	14.8	9.9	8.2	6.6	4.9	3.3	3.3
75°	1177.7	103.8	21.4	14.8	9.9	6.6	4.9	3.3	3.3	2.5	2.5
77.5°	333.5	47.8	14.0	9.9	6.6	4.1	3.3	2.5	2.5	1.6	1.6
80°	65.9	23.9	9.1	6.6	4.9	3.3	2.5	1.6	1.6	0.8	0.8
82.5°	23.9	12.4	6.6	4.9	4.1	3.3	1.6	0.8	0.8	0.0	0.0
85°	12.4	6.6	4.9	4.1	3.3	2.5	1.6	0.8	0.0	0.0	0.0
87.5°	6.6	4.9	4.1	4.1	3.3	2.5	1.6	0.8	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)