

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: P674557

Luminaire Tested: **CCP-SA-2E-735-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674557
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-735-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, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

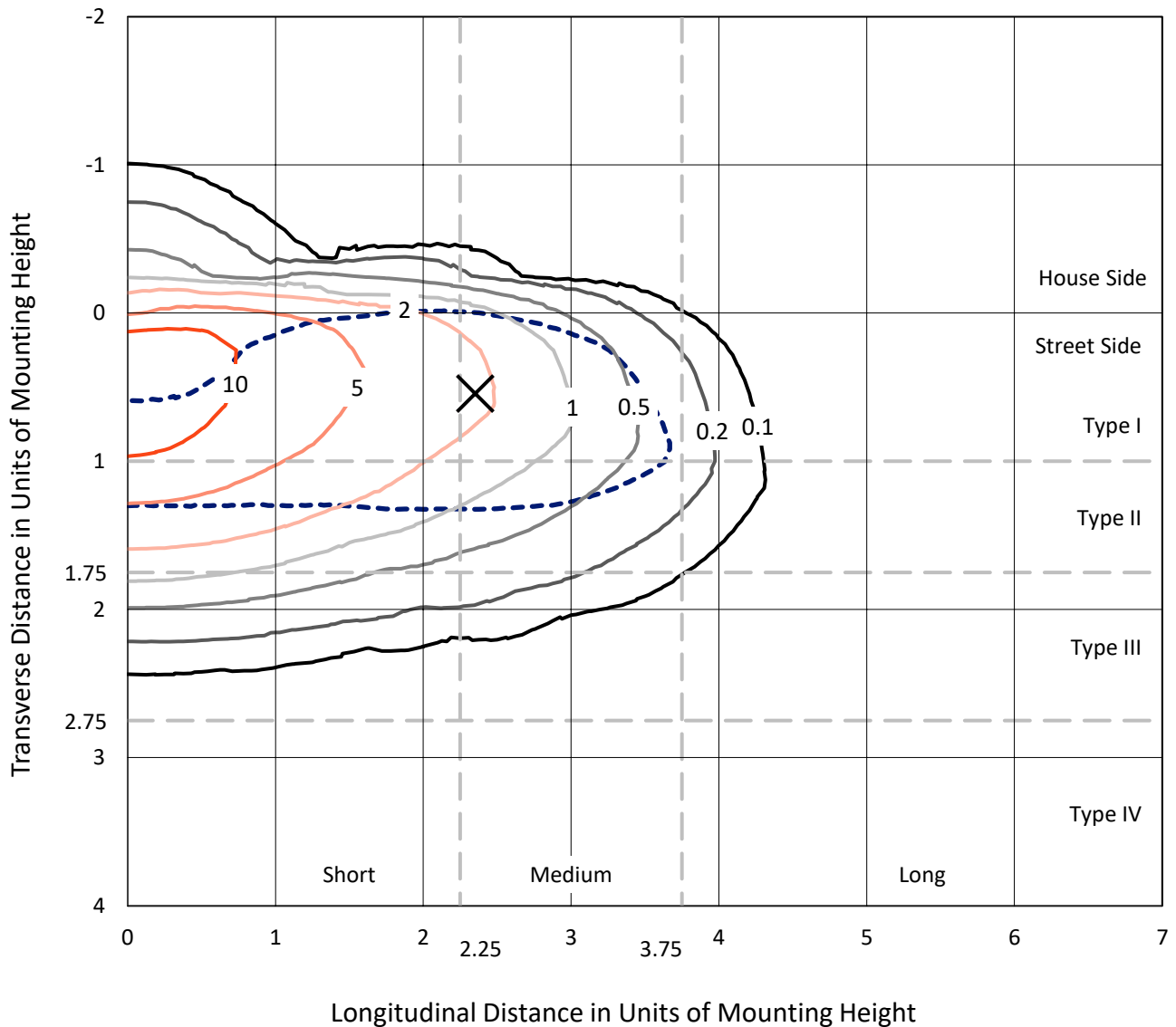
Lumens per Lamp: N/A
Luminaire Lumens: 10919.4 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

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

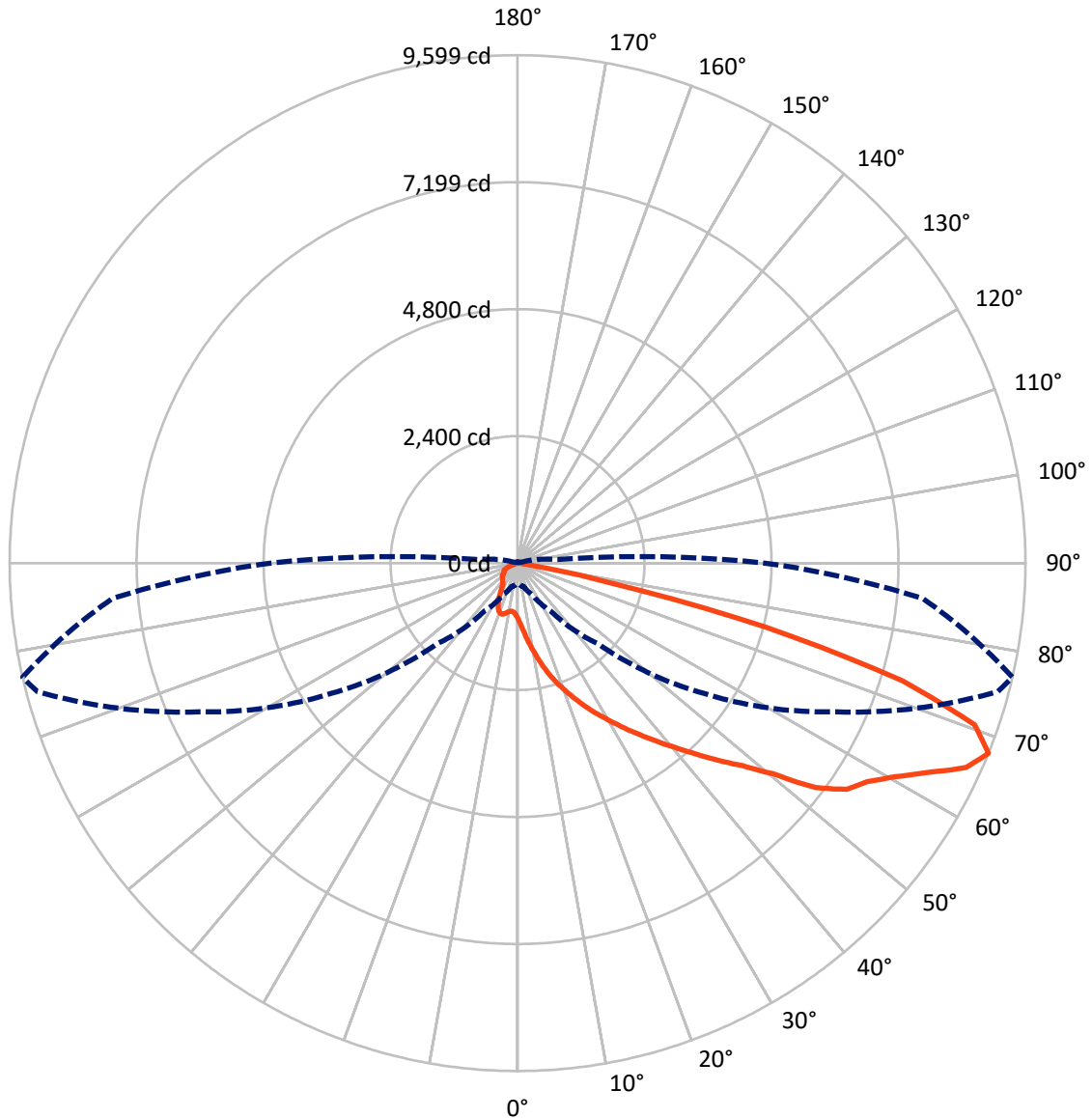
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13.5 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	682.4	0.0	682.4
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	10237.1	0.0	10237.1
	% Fixture	93.8	0.0	93.8
Total	Lumens	10919.4	0.0	10919.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.9	1.1
10°-20°	454.5	4.2
20°-30°	888.0	8.1
30°-40°	1552.6	14.2
40°-50°	2264.3	20.7
50°-60°	2647.7	24.2
60°-70°	2146.3	19.7
70°-80°	806.3	7.4
80°-90°	36.7	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°	10919.4	100.0
0°-180°	10919.4	100.0



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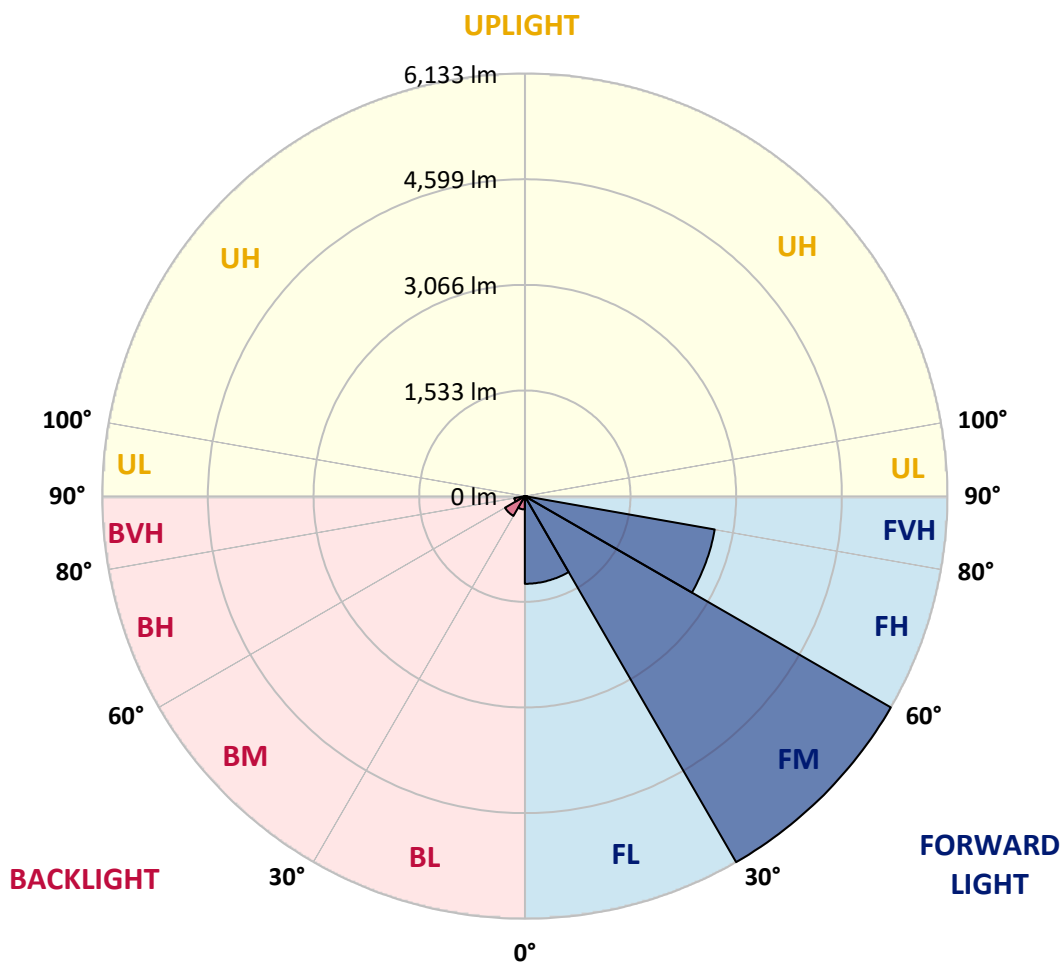
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1272.0	11.6			
FM (30°-60°)	6132.6	56.2			
FH (60°-80°)	2797.9	25.6			G2/5000
FVH (80°-90°)	34.5	0.3			G1/100
BL (0°-30°)	193.5	1.8	B1/500		
BM (30°-60°)	332.0	3.0	B1/1000		
BH (60°-80°)	154.7	1.4	B1/500		G1/500
BVH (80°-90°)	2.1	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°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9
2.5°	1570.3	1513.1	1524.0	1500.3	1469.7	1398.8	1323.9	1248.9	1181.9	1167.1	1100.1
5°	2010.9	1993.2	1974.4	1958.7	1894.6	1805.9	1670.8	1499.3	1344.6	1317.9	1179.0
7.5°	2353.0	2326.4	2343.1	2294.8	2227.8	2142.0	1970.5	1787.2	1548.6	1509.2	1293.3
10°	2605.3	2590.5	2598.4	2575.8	2543.2	2457.5	2287.9	2058.2	1782.2	1707.3	1421.4
12.5°	2794.6	2797.5	2832.0	2834.0	2807.4	2737.4	2558.0	2318.5	1994.2	1927.1	1563.4
15°	2932.6	2935.6	2977.9	3023.3	3053.8	3017.4	2854.7	2586.6	2243.6	2151.9	1712.2
17.5°	2955.3	2957.2	3032.2	3123.8	3218.5	3250.0	3124.8	2852.7	2471.3	2366.8	1882.8
20°	2970.1	2986.8	3053.8	3159.3	3309.1	3406.7	3338.7	3108.1	2692.1	2570.8	2050.4
22.5°	3149.5	3149.5	3188.9	3263.8	3383.1	3535.9	3522.1	3342.7	2907.0	2786.7	2216.9
25°	3530.0	3530.0	3491.5	3471.8	3535.9	3656.1	3690.6	3593.0	3152.4	3010.5	2392.4
27.5°	4033.7	4033.7	3973.5	3828.6	3773.4	3823.7	3860.2	3810.9	3379.1	3239.2	2577.7
30°	4556.1	4573.9	4469.4	4285.0	4091.8	4053.4	4017.9	4007.1	3620.6	3462.9	2766.0
32.5°	5080.5	5078.6	4948.4	4718.8	4466.4	4330.4	4215.0	4202.2	3876.9	3722.2	2944.4
35°	5499.5	5500.5	5363.4	5127.8	4836.1	4662.6	4477.3	4417.1	4157.9	3985.4	3157.3
37.5°	5862.2	5841.5	5693.7	5469.9	5197.8	5018.4	4787.8	4631.0	4448.7	4273.2	3370.3
40°	6070.2	6042.6	5898.7	5685.8	5479.8	5342.7	5139.7	4889.3	4768.1	4578.8	3612.8
42.5°	6100.8	6077.1	5981.5	5853.4	5684.8	5564.5	5510.3	5181.1	5103.2	4931.7	3902.6
45°	6015.0	5976.6	5945.0	5878.0	5830.7	5772.5	5846.5	5491.6	5487.6	5317.1	4189.4
47.5°	5802.1	5749.9	5757.7	5831.7	5884.9	5937.1	6167.8	5898.7	5875.0	5715.4	4566.0
50°	5438.4	5412.7	5499.5	5645.4	5856.3	6065.3	6488.2	6314.7	6408.3	6258.5	5085.5
52.5°	4699.1	4730.6	4989.8	5340.8	5705.5	6125.4	6788.8	6935.7	7175.2	7052.0	5607.9
55°	3811.9	3800.1	4146.0	4769.0	5351.6	6087.0	6919.9	7301.4	7678.0	7548.8	5898.7
57.5°	3070.6	3091.3	3324.9	3941.0	4751.3	5790.3	6950.5	7492.7	7880.1	7794.3	6167.8
60°	2304.7	2324.4	2537.3	3073.6	3952.8	5171.2	6698.1	7559.7	8259.6	8194.5	6597.6
62.5°	1466.8	1492.4	1706.3	2227.8	3021.3	4209.1	6131.3	7489.7	8655.8	8710.1	7184.1
65°	721.6	744.2	902.0	1301.2	2019.8	3147.5	5340.8	7222.6	9160.5	9315.3	7654.3
67.5°	399.2	410.1	464.3	662.4	1126.7	2158.8	4291.9	6651.8	9392.2	9599.2	7685.9
70°	310.5	313.5	334.2	386.4	549.1	1266.7	3052.9	5701.6	8912.1	9162.5	7046.1
72.5°	261.2	265.2	275.0	292.8	343.0	659.5	1918.3	4406.3	7498.6	7611.9	5451.2
75°	191.2	197.1	224.8	240.5	271.1	400.2	845.8	2647.7	4955.3	4844.0	3049.9
77.5°	160.7	165.6	172.5	195.2	223.8	273.1	296.7	1109.9	2016.8	1753.6	800.4
80°	109.4	115.3	134.1	145.9	189.3	180.4	123.2	297.7	405.1	330.2	153.8
82.5°	77.9	82.8	92.7	119.3	137.0	95.6	67.0	90.7	97.6	92.7	50.3
85°	24.6	31.5	67.0	98.6	73.9	32.5	42.4	34.5	30.6	29.6	19.7
87.5°	4.9	4.9	33.5	39.4	29.6	16.8	14.8	10.8	13.8	13.8	10.8
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°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9
2.5°	1068.5	1024.2	960.1	900.0	838.9	795.5	764.9	734.4	722.6	717.6	704.8
5°	1115.9	1031.1	903.9	801.4	726.5	679.2	650.6	625.9	610.2	605.2	598.3
7.5°	1183.9	1061.6	879.3	761.0	686.1	634.8	588.5	535.3	492.9	476.1	469.2
10°	1257.8	1108.0	883.2	753.1	653.5	541.2	437.7	351.9	314.5	300.7	290.8
12.5°	1366.2	1159.2	900.0	744.2	556.0	386.4	280.0	244.5	235.6	233.6	231.7
15°	1474.7	1231.2	927.6	685.1	415.0	263.2	232.6	219.8	214.9	210.0	210.0
17.5°	1584.1	1300.2	938.4	569.8	286.9	227.7	211.9	201.1	193.2	189.3	186.3
20°	1707.3	1373.1	906.9	428.8	229.7	208.0	190.2	177.4	170.5	166.6	163.6
22.5°	1840.4	1445.1	837.9	298.7	209.0	187.3	170.5	157.7	150.8	146.9	145.9
25°	1965.6	1507.2	727.5	224.8	188.3	167.6	151.8	141.0	136.0	132.1	131.1
27.5°	2094.7	1560.4	583.6	198.1	171.5	151.8	136.0	127.2	122.2	119.3	118.3
30°	2220.9	1596.9	434.7	181.4	156.7	137.0	123.2	116.3	111.4	108.4	107.4
32.5°	2351.0	1617.6	293.8	166.6	141.9	124.2	112.4	105.5	102.5	99.6	99.6
35°	2476.2	1614.7	211.9	152.8	130.1	112.4	101.5	96.6	95.6	92.7	92.7
37.5°	2613.2	1594.0	180.4	140.0	117.3	101.5	92.7	89.7	88.7	86.7	85.8
40°	2769.0	1547.6	164.6	130.1	106.5	92.7	84.8	82.8	81.8	79.8	79.8
42.5°	2939.5	1487.5	155.7	119.3	97.6	83.8	77.9	74.9	73.9	72.0	72.0
45°	3137.6	1430.3	149.8	108.4	89.7	76.9	71.0	68.0	67.0	65.1	65.1
47.5°	3407.7	1397.8	140.0	98.6	80.8	70.0	64.1	62.1	60.1	58.2	58.2
50°	3779.3	1359.3	127.2	88.7	73.9	63.1	59.1	56.2	55.2	53.2	53.2
52.5°	4084.9	1277.5	114.3	78.9	66.0	58.2	54.2	52.2	50.3	49.3	49.3
55°	4192.4	1181.9	101.5	71.0	60.1	54.2	50.3	48.3	47.3	46.3	46.3
57.5°	4363.9	1151.4	89.7	63.1	54.2	50.3	46.3	45.3	44.4	43.4	42.4
60°	4656.7	1169.1	78.9	56.2	49.3	45.3	42.4	41.4	39.4	37.5	37.5
62.5°	4940.6	1147.4	67.0	49.3	42.4	40.4	37.5	35.5	31.5	28.6	26.6
65°	5009.6	1002.5	58.2	41.4	35.5	33.5	30.6	26.6	20.7	16.8	16.8
67.5°	4675.4	762.0	50.3	35.5	29.6	27.6	21.7	17.7	12.8	9.9	9.9
70°	3858.2	483.0	41.4	27.6	24.6	18.7	13.8	12.8	8.9	7.9	6.9
72.5°	2783.7	264.2	34.5	22.7	17.7	11.8	9.9	7.9	5.9	3.9	3.9
75°	1409.6	124.2	25.6	17.7	11.8	7.9	5.9	3.9	3.9	3.0	3.0
77.5°	399.2	57.2	16.8	11.8	7.9	4.9	3.9	3.0	3.0	2.0	2.0
80°	78.9	28.6	10.8	7.9	5.9	3.9	3.0	2.0	2.0	1.0	1.0
82.5°	28.6	14.8	7.9	5.9	4.9	3.9	2.0	1.0	1.0	0.0	0.0
85°	14.8	7.9	5.9	4.9	3.9	3.0	2.0	1.0	0.0	0.0	0.0
87.5°	7.9	5.9	4.9	4.9	3.9	3.0	2.0	1.0	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)