

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: P674535

Luminaire Tested: **CCP-SA-2E-727-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674535
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-727-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

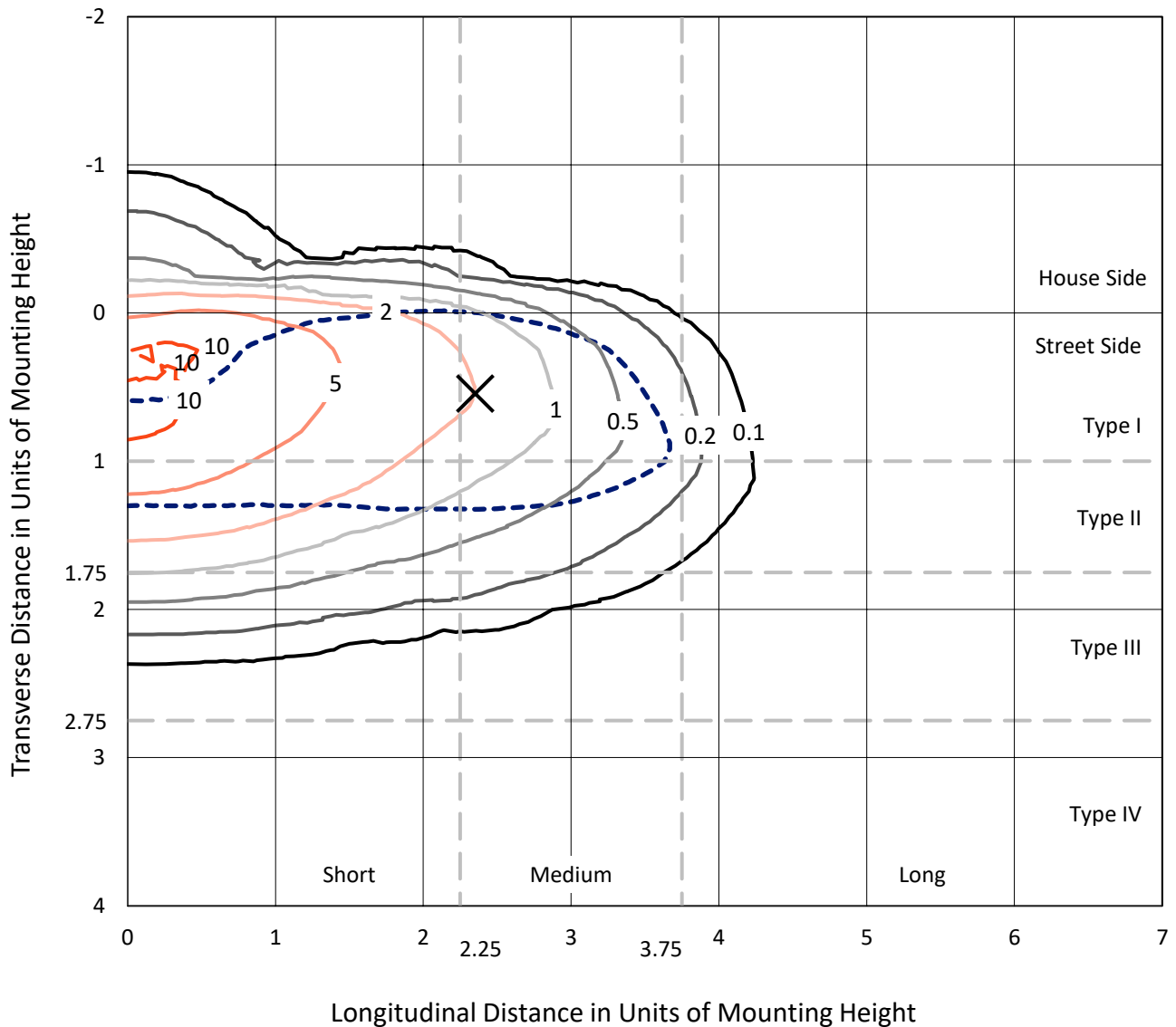
Lumens per Lamp: N/A
Luminaire Lumens: 9258.8 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

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

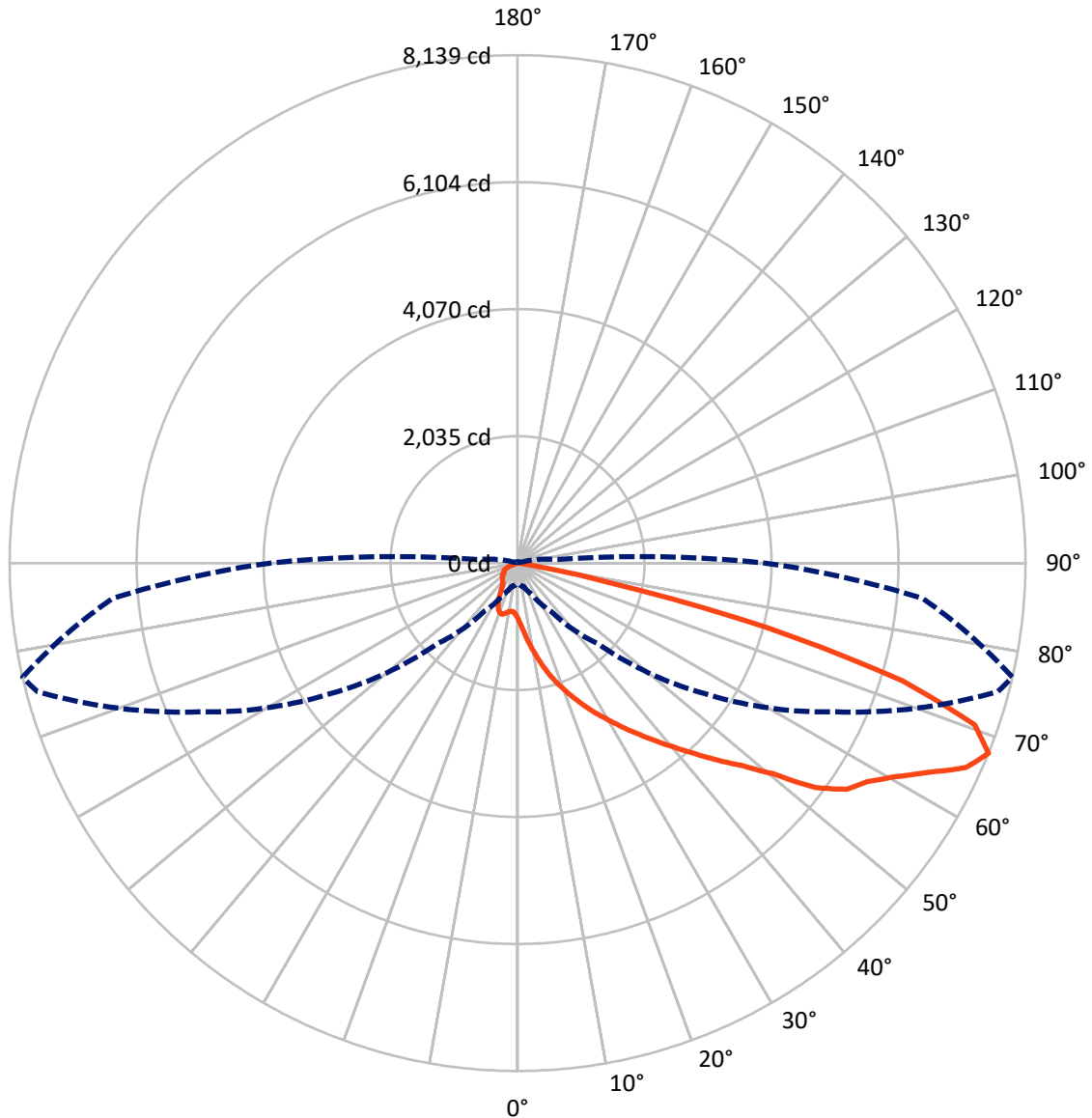
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.4 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	578.6	0.0	578.6
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	8680.2	0.0	8680.2
	% Fixture	93.8	0.0	93.8
Total	Lumens	9258.8	0.0	9258.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.2	1.1
10°-20°	385.4	4.2
20°-30°	753.0	8.1
30°-40°	1316.5	14.2
40°-50°	1919.9	20.7
50°-60°	2245.0	24.2
60°-70°	1819.9	19.7
70°-80°	683.7	7.4
80°-90°	31.1	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°	9258.8	100.0
0°-180°	9258.8	100.0

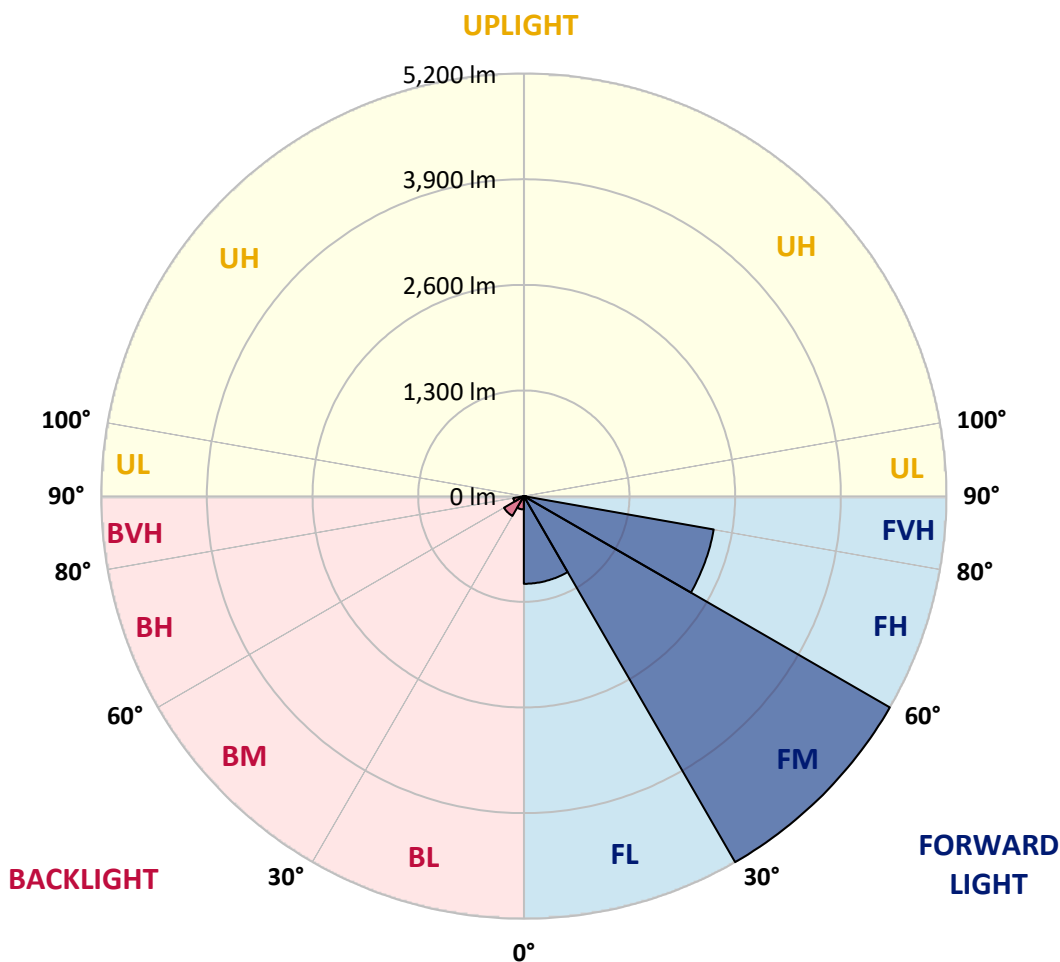


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1078.6	11.6			
FM (30°-60°)	5199.9	56.2			
FH (60°-80°)	2372.4	25.6			G2/5000
FVH (80°-90°)	29.3	0.3			G1/100
BL (0°-30°)	164.1	1.8	B1/500		
BM (30°-60°)	281.5	3.0	B1/1000		
BH (60°-80°)	131.2	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°	886.8	886.8	886.8	886.8	886.8	886.8	886.8	886.8	886.8	886.8	886.8
2.5°	1331.5	1283.0	1292.2	1272.1	1246.2	1186.0	1122.5	1059.0	1002.2	989.6	932.8
5°	1705.1	1690.0	1674.2	1660.8	1606.5	1531.2	1416.7	1271.3	1140.1	1117.5	999.7
7.5°	1995.1	1972.6	1986.8	1945.8	1889.0	1816.3	1670.8	1515.4	1313.1	1279.7	1096.6
10°	2209.1	2196.6	2203.2	2184.0	2156.4	2083.7	1940.0	1745.2	1511.2	1447.7	1205.3
12.5°	2369.6	2372.1	2401.3	2403.0	2380.4	2321.1	2169.0	1965.9	1690.9	1634.0	1325.6
15°	2486.6	2489.1	2525.0	2563.5	2589.4	2558.5	2420.6	2193.2	1902.3	1824.6	1451.8
17.5°	2505.8	2507.5	2571.0	2648.7	2729.0	2755.7	2649.6	2418.9	2095.4	2006.8	1596.4
20°	2518.4	2532.6	2589.4	2678.8	2805.9	2888.6	2831.0	2635.4	2282.7	2179.8	1738.5
22.5°	2670.5	2670.5	2703.9	2767.4	2868.6	2998.1	2986.4	2834.3	2464.9	2362.9	1879.8
25°	2993.1	2993.1	2960.5	2943.8	2998.1	3100.1	3129.3	3046.6	2673.0	2552.6	2028.6
27.5°	3420.2	3420.2	3369.2	3246.4	3199.6	3242.2	3273.1	3231.3	2865.2	2746.5	2185.7
30°	3863.2	3878.3	3789.7	3633.4	3469.5	3436.9	3406.8	3397.6	3070.0	2936.3	2345.3
32.5°	4307.9	4306.2	4195.9	4001.1	3787.1	3671.8	3574.0	3563.1	3287.3	3156.1	2496.6
35°	4663.1	4663.9	4547.8	4348.0	4100.6	3953.5	3796.3	3745.4	3525.5	3379.3	2677.2
37.5°	4970.7	4953.1	4827.8	4638.0	4407.3	4255.2	4059.6	3926.7	3772.1	3623.3	2857.7
40°	5147.0	5123.6	5001.6	4821.1	4646.4	4530.2	4358.0	4145.7	4042.9	3882.4	3063.3
42.5°	5173.0	5152.9	5071.8	4963.2	4820.2	4718.3	4672.3	4393.1	4327.1	4181.7	3309.1
45°	5100.2	5067.6	5040.9	4984.1	4943.9	4894.6	4957.3	4656.4	4653.1	4508.5	3552.3
47.5°	4919.7	4875.4	4882.1	4944.8	4989.9	5034.2	5229.8	5001.6	4981.5	4846.1	3871.6
50°	4611.3	4589.5	4663.1	4786.8	4965.7	5142.9	5501.4	5354.3	5433.7	5306.7	4312.0
52.5°	3984.4	4011.1	4231.0	4528.5	4837.8	5193.8	5756.4	5880.9	6084.0	5979.5	4755.0
55°	3232.2	3222.1	3515.5	4043.7	4537.7	5161.3	5867.5	6191.0	6510.3	6400.8	5001.6
57.5°	2603.6	2621.2	2819.3	3341.6	4028.7	4909.7	5893.4	6353.1	6681.6	6608.9	5229.8
60°	1954.2	1970.9	2151.4	2606.1	3351.7	4384.8	5679.5	6410.0	7003.4	6948.3	5594.2
62.5°	1243.7	1265.4	1446.8	1889.0	2561.8	3569.0	5198.9	6350.6	7339.4	7385.4	6091.5
65°	611.8	631.1	764.8	1103.3	1712.6	2668.8	4528.5	6124.1	7767.4	7898.6	6490.2
67.5°	338.5	347.7	393.7	561.7	955.4	1830.5	3639.2	5640.2	7963.8	8139.3	6517.0
70°	263.3	265.8	283.3	327.6	465.6	1074.0	2588.6	4834.4	7556.7	7769.0	5974.5
72.5°	221.5	224.8	233.2	248.2	290.9	559.2	1626.5	3736.2	6358.2	6454.3	4622.1
75°	162.2	167.2	190.6	203.9	229.9	339.3	717.1	2245.0	4201.7	4107.3	2586.1
77.5°	136.2	140.4	146.3	165.5	189.7	231.5	251.6	941.1	1710.1	1486.9	678.7
80°	92.8	97.8	113.7	123.7	160.5	153.0	104.5	252.4	343.5	280.0	130.4
82.5°	66.0	70.2	78.6	101.1	116.2	81.1	56.8	76.9	82.7	78.6	42.6
85°	20.9	26.7	56.8	83.6	62.7	27.6	35.9	29.3	25.9	25.1	16.7
87.5°	4.2	4.2	28.4	33.4	25.1	14.2	12.5	9.2	11.7	11.7	9.2
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°	886.8	886.8	886.8	886.8	886.8	886.8	886.8	886.8	886.8	886.8	886.8
2.5°	906.0	868.4	814.1	763.1	711.3	674.5	648.6	622.7	612.7	608.5	597.6
5°	946.2	874.3	766.5	679.5	616.0	575.9	551.6	530.8	517.4	513.2	507.3
7.5°	1003.8	900.2	745.6	645.3	581.7	538.3	499.0	453.9	417.9	403.7	397.9
10°	1066.5	939.5	748.9	638.6	554.2	458.9	371.1	298.4	266.6	254.9	246.6
12.5°	1158.5	982.9	763.1	631.1	471.4	327.6	237.4	207.3	199.8	198.1	196.4
15°	1250.4	1044.0	786.5	580.9	351.9	223.2	197.3	186.4	182.2	178.0	178.0
17.5°	1343.2	1102.5	795.7	483.1	243.2	193.1	179.7	170.5	163.8	160.5	158.0
20°	1447.7	1164.3	769.0	363.6	194.7	176.4	161.3	150.4	144.6	141.3	138.7
22.5°	1560.5	1225.3	710.5	253.3	177.2	158.8	144.6	133.7	127.9	124.5	123.7
25°	1666.6	1278.0	616.8	190.6	159.6	142.1	128.7	119.5	115.3	112.0	111.2
27.5°	1776.1	1323.1	494.8	168.0	145.4	128.7	115.3	107.8	103.6	101.1	100.3
30°	1883.1	1354.0	368.6	153.8	132.9	116.2	104.5	98.6	94.4	91.9	91.1
32.5°	1993.5	1371.6	249.1	141.3	120.4	105.3	95.3	89.4	86.9	84.4	84.4
35°	2099.6	1369.1	179.7	129.6	110.3	95.3	86.1	81.9	81.1	78.6	78.6
37.5°	2215.8	1351.5	153.0	118.7	99.5	86.1	78.6	76.1	75.2	73.6	72.7
40°	2347.8	1312.3	139.6	110.3	90.3	78.6	71.9	70.2	69.4	67.7	67.7
42.5°	2492.4	1261.3	132.1	101.1	82.7	71.0	66.0	63.5	62.7	61.0	61.0
45°	2660.4	1212.8	127.0	91.9	76.1	65.2	60.2	57.7	56.8	55.2	55.2
47.5°	2889.5	1185.2	118.7	83.6	68.5	59.3	54.3	52.7	51.0	49.3	49.3
50°	3204.6	1152.6	107.8	75.2	62.7	53.5	50.1	47.6	46.8	45.1	45.1
52.5°	3463.7	1083.2	97.0	66.9	56.0	49.3	46.0	44.3	42.6	41.8	41.8
55°	3554.8	1002.2	86.1	60.2	51.0	46.0	42.6	41.0	40.1	39.3	39.3
57.5°	3700.2	976.2	76.1	53.5	46.0	42.6	39.3	38.4	37.6	36.8	35.9
60°	3948.5	991.3	66.9	47.6	41.8	38.4	35.9	35.1	33.4	31.8	31.8
62.5°	4189.2	972.9	56.8	41.8	35.9	34.3	31.8	30.1	26.7	24.2	22.6
65°	4247.7	850.0	49.3	35.1	30.1	28.4	25.9	22.6	17.6	14.2	14.2
67.5°	3964.3	646.1	42.6	30.1	25.1	23.4	18.4	15.0	10.9	8.4	8.4
70°	3271.4	409.6	35.1	23.4	20.9	15.9	11.7	10.9	7.5	6.7	5.9
72.5°	2360.4	224.0	29.3	19.2	15.0	10.0	8.4	6.7	5.0	3.3	3.3
75°	1195.2	105.3	21.7	15.0	10.0	6.7	5.0	3.3	3.3	2.5	2.5
77.5°	338.5	48.5	14.2	10.0	6.7	4.2	3.3	2.5	2.5	1.7	1.7
80°	66.9	24.2	9.2	6.7	5.0	3.3	2.5	1.7	1.7	0.8	0.8
82.5°	24.2	12.5	6.7	5.0	4.2	3.3	1.7	0.8	0.8	0.0	0.0
85°	12.5	6.7	5.0	4.2	3.3	2.5	1.7	0.8	0.0	0.0	0.0
87.5°	6.7	5.0	4.2	4.2	3.3	2.5	1.7	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)