

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: P674556

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674556  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2D-735-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T2R distribution lens and House Side Shield  
Light Source: (32) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

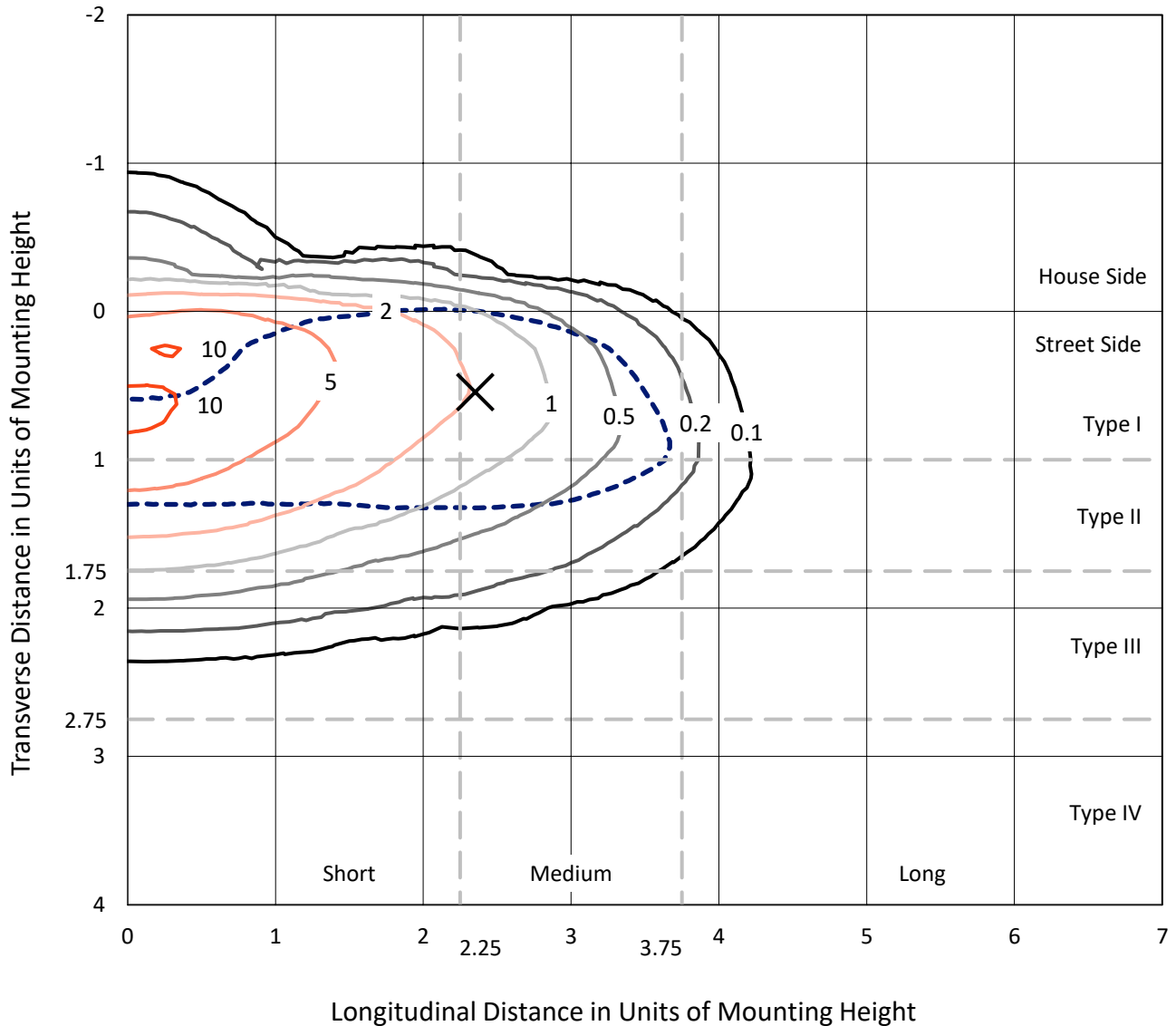
Lumens per Lamp: N/A  
Luminaire Lumens: 8906.7 lumens  
Efficiency: N/A  
Efficacy: 110.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8  
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

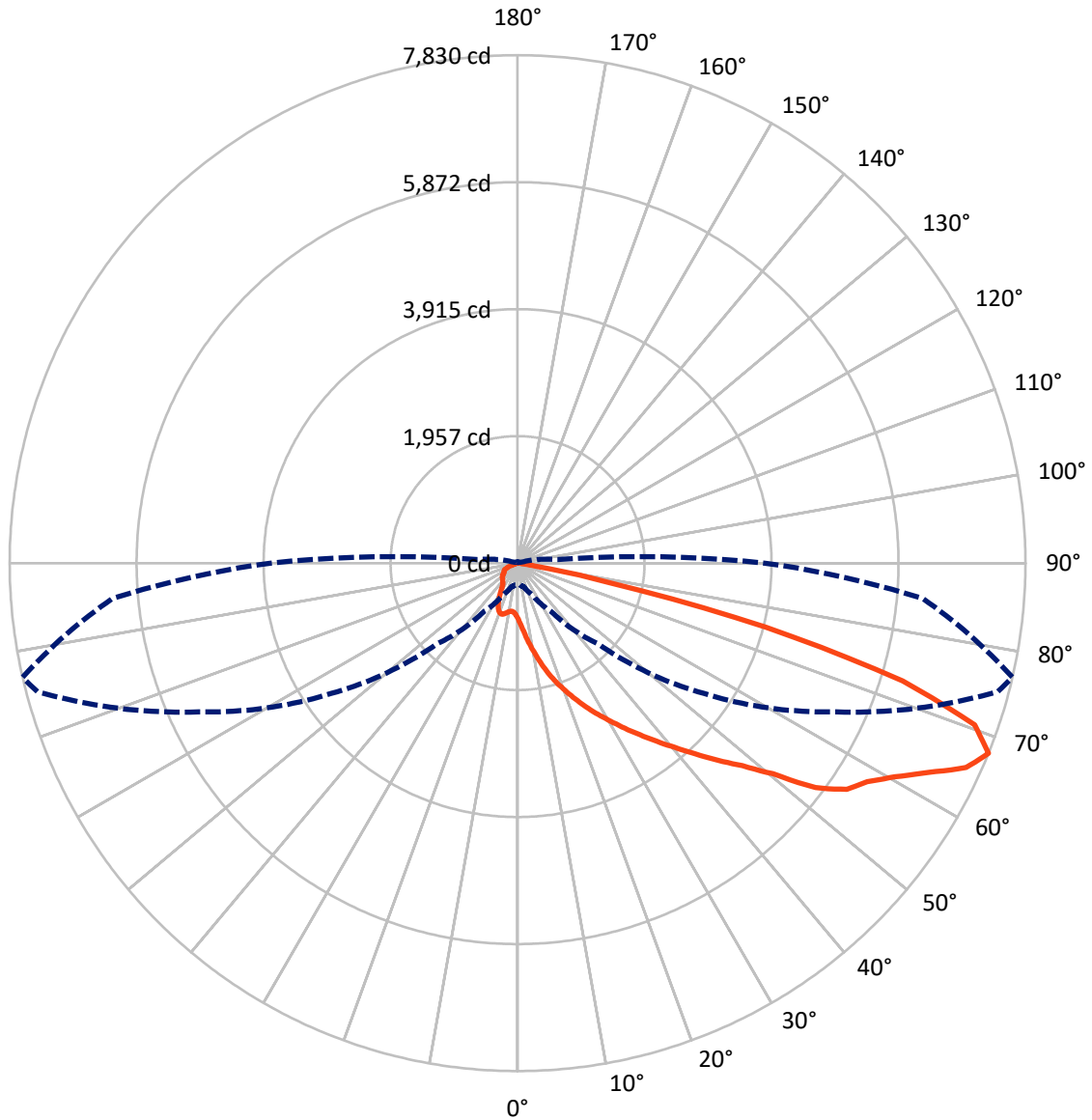
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11 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
<b>House Side</b>	Lumens	556.6	0.0	556.6
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	8350.1	0.0	8350.1
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	8906.7	0.0	8906.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.3	1.1
10°-20°	370.8	4.2
20°-30°	724.4	8.1
30°-40°	1266.4	14.2
40°-50°	1846.9	20.7
50°-60°	2159.7	24.2
60°-70°	1750.7	19.7
70°-80°	657.7	7.4
80°-90°	29.9	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°	8906.7	100.0
0°-180°	8906.7	100.0

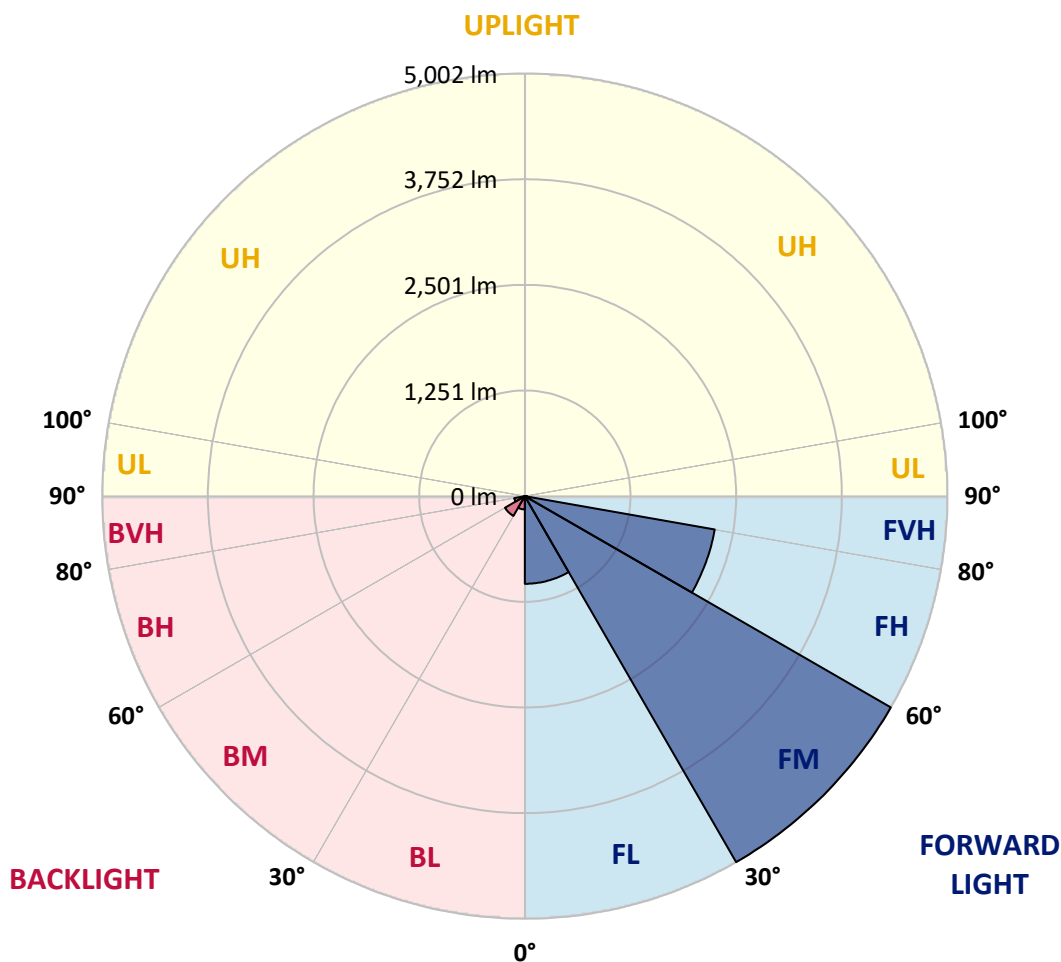


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1037.5	11.6			
FM (30°-60°)	5002.2	56.2			
FH (60°-80°)	2282.2	25.6			G2/5000
FVH (80°-90°)	28.2	0.3			G1/100
BL (0°-30°)	157.8	1.8	B1/500		
BM (30°-60°)	270.8	3.0	B1/1000		
BH (60°-80°)	126.2	1.4	B1/500		G1/500
BVH (80°-90°)	1.7	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°	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1
2.5°	1280.8	1234.2	1243.1	1223.8	1198.8	1140.9	1079.8	1018.7	964.1	952.0	897.3
5°	1640.3	1625.8	1610.5	1597.6	1545.4	1473.0	1362.9	1223.0	1096.7	1075.0	961.6
7.5°	1919.3	1897.6	1911.2	1871.8	1817.2	1747.2	1607.3	1457.7	1263.2	1231.0	1054.9
10°	2125.1	2113.0	2119.5	2101.0	2074.4	2004.5	1866.2	1678.9	1453.7	1392.6	1159.4
12.5°	2279.5	2281.9	2310.0	2311.6	2289.9	2232.8	2086.5	1891.1	1626.6	1571.9	1275.2
15°	2392.0	2394.5	2429.0	2466.0	2490.9	2461.2	2328.5	2109.8	1830.0	1755.2	1396.6
17.5°	2410.5	2412.1	2473.3	2548.0	2625.2	2650.9	2548.8	2326.9	2015.8	1930.5	1535.7
20°	2422.6	2436.3	2490.9	2577.0	2699.2	2778.8	2723.3	2535.2	2195.9	2097.0	1672.4
22.5°	2568.9	2568.9	2601.1	2662.2	2759.5	2884.1	2872.9	2726.5	2371.1	2273.0	1808.3
25°	2879.3	2879.3	2847.9	2831.9	2884.1	2982.2	3010.4	2930.8	2571.3	2455.6	1951.4
27.5°	3290.2	3290.2	3241.1	3122.9	3077.9	3118.9	3148.7	3108.5	2756.3	2642.1	2102.6
30°	3716.3	3730.8	3645.6	3495.2	3337.6	3306.2	3277.3	3268.5	2953.3	2824.6	2256.2
32.5°	4144.1	4142.5	4036.3	3849.0	3643.1	3532.2	3438.1	3427.7	3162.3	3036.1	2401.7
35°	4485.8	4486.6	4374.8	4182.7	3944.7	3803.2	3652.0	3602.9	3391.5	3250.8	2575.4
37.5°	4781.7	4764.8	4644.2	4461.7	4239.7	4093.4	3905.3	3777.4	3628.7	3485.6	2749.0
40°	4951.3	4928.8	4811.4	4637.8	4469.7	4357.9	4192.3	3988.1	3889.2	3734.8	2946.8
42.5°	4976.3	4957.0	4879.0	4774.4	4636.9	4538.9	4494.6	4226.1	4162.6	4022.7	3183.2
45°	4906.3	4874.9	4849.2	4794.5	4755.9	4708.5	4768.8	4479.4	4476.1	4337.0	3417.2
47.5°	4732.6	4690.0	4696.4	4756.8	4800.2	4842.8	5030.9	4811.4	4792.1	4661.9	3724.4
50°	4435.9	4415.0	4485.8	4604.8	4776.9	4947.3	5292.2	5150.7	5227.1	5104.9	4148.1
52.5°	3832.9	3858.6	4070.1	4356.3	4653.8	4996.4	5537.5	5657.3	5852.7	5752.2	4574.2
55°	3109.3	3099.6	3381.8	3890.0	4365.2	4965.0	5644.4	5955.6	6262.7	6157.4	4811.4
57.5°	2504.6	2521.5	2712.1	3214.6	3875.5	4723.0	5669.3	6111.6	6427.6	6357.6	5030.9
60°	1879.9	1895.9	2069.6	2507.0	3224.2	4218.0	5463.5	6166.3	6737.1	6684.1	5381.5
62.5°	1196.4	1217.3	1391.8	1817.2	2464.4	3433.3	5001.2	6109.2	7060.4	7104.6	5859.9
65°	588.6	607.1	735.7	1061.3	1647.5	2567.3	4356.3	5891.3	7472.0	7598.3	6243.4
67.5°	325.6	334.5	378.7	540.3	919.0	1760.9	3500.8	5425.7	7661.0	7829.8	6269.2
70°	253.3	255.7	272.6	315.2	447.9	1033.2	2490.1	4650.6	7269.4	7473.6	5747.3
72.5°	213.1	216.3	224.3	238.8	279.8	537.9	1564.7	3594.1	6116.4	6208.9	4446.4
75°	156.0	160.8	183.3	196.2	221.1	326.4	689.9	2159.7	4042.0	3951.1	2487.7
77.5°	131.1	135.1	140.7	159.2	182.5	222.7	242.0	905.4	1645.1	1430.4	652.9
80°	89.2	94.1	109.4	119.0	154.4	147.1	100.5	242.8	330.5	269.4	125.4
82.5°	63.5	67.5	75.6	97.3	111.8	78.0	54.7	74.0	79.6	75.6	41.0
85°	20.1	25.7	54.7	80.4	60.3	26.5	34.6	28.1	24.9	24.1	16.1
87.5°	4.0	4.0	27.3	32.2	24.1	13.7	12.1	8.8	11.3	11.3	8.8
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°	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1
2.5°	871.6	835.4	783.1	734.1	684.2	648.9	623.9	599.0	589.4	585.3	574.9
5°	910.2	841.0	737.3	653.7	592.6	554.0	530.7	510.6	497.7	493.7	488.1
7.5°	965.7	866.0	717.2	620.7	559.6	517.8	480.0	436.6	402.0	388.4	382.7
10°	1026.0	903.8	720.4	614.3	533.1	441.4	357.0	287.0	256.5	245.2	237.2
12.5°	1114.4	945.6	734.1	607.1	453.5	315.2	228.3	199.4	192.2	190.6	189.0
15°	1202.9	1004.3	756.6	558.8	338.5	214.7	189.8	179.3	175.3	171.3	171.3
17.5°	1292.1	1060.5	765.5	464.7	234.0	185.7	172.9	164.0	157.6	154.4	152.0
20°	1392.6	1120.0	739.7	349.8	187.3	169.7	155.2	144.7	139.1	135.9	133.5
22.5°	1501.2	1178.7	683.4	243.6	170.5	152.8	139.1	128.6	123.0	119.8	119.0
25°	1603.3	1229.4	593.4	183.3	153.6	136.7	123.8	115.0	111.0	107.7	106.9
27.5°	1708.6	1272.8	476.0	161.6	139.9	123.8	111.0	103.7	99.7	97.3	96.5
30°	1811.5	1302.6	354.6	147.9	127.8	111.8	100.5	94.9	90.9	88.4	87.6
32.5°	1917.7	1319.4	239.6	135.9	115.8	101.3	91.7	86.0	83.6	81.2	81.2
35°	2019.8	1317.0	172.9	124.6	106.1	91.7	82.8	78.8	78.0	75.6	75.6
37.5°	2131.5	1300.1	147.1	114.2	95.7	82.8	75.6	73.2	72.4	70.8	70.0
40°	2258.6	1262.4	134.3	106.1	86.8	75.6	69.1	67.5	66.7	65.1	65.1
42.5°	2397.7	1213.3	127.0	97.3	79.6	68.3	63.5	61.1	60.3	58.7	58.7
45°	2559.3	1166.7	122.2	88.4	73.2	62.7	57.9	55.5	54.7	53.1	53.1
47.5°	2779.6	1140.1	114.2	80.4	65.9	57.1	52.3	50.7	49.0	47.4	47.4
50°	3082.7	1108.8	103.7	72.4	60.3	51.5	48.2	45.8	45.0	43.4	43.4
52.5°	3332.0	1042.0	93.3	64.3	53.9	47.4	44.2	42.6	41.0	40.2	40.2
55°	3419.6	964.1	82.8	57.9	49.0	44.2	41.0	39.4	38.6	37.8	37.8
57.5°	3559.5	939.1	73.2	51.5	44.2	41.0	37.8	37.0	36.2	35.4	34.6
60°	3798.3	953.6	64.3	45.8	40.2	37.0	34.6	33.8	32.2	30.6	30.6
62.5°	4029.9	935.9	54.7	40.2	34.6	33.0	30.6	28.9	25.7	23.3	21.7
65°	4086.2	817.7	47.4	33.8	28.9	27.3	24.9	21.7	16.9	13.7	13.7
67.5°	3813.6	621.5	41.0	28.9	24.1	22.5	17.7	14.5	10.5	8.0	8.0
70°	3147.0	394.0	33.8	22.5	20.1	15.3	11.3	10.5	7.2	6.4	5.6
72.5°	2270.6	215.5	28.1	18.5	14.5	9.6	8.0	6.4	4.8	3.2	3.2
75°	1149.8	101.3	20.9	14.5	9.6	6.4	4.8	3.2	3.2	2.4	2.4
77.5°	325.6	46.6	13.7	9.6	6.4	4.0	3.2	2.4	2.4	1.6	1.6
80°	64.3	23.3	8.8	6.4	4.8	3.2	2.4	1.6	1.6	0.8	0.8
82.5°	23.3	12.1	6.4	4.8	4.0	3.2	1.6	0.8	0.8	0.0	0.0
85°	12.1	6.4	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.0	0.0
87.5°	6.4	4.8	4.0	4.0	3.2	2.4	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)