

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: P673336

Luminaire Tested: **CCP-SA-2C-840-U-T3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673336  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-840-U-T3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3  
distribution lens and House Side Shield  
Light Source: (32) 4000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

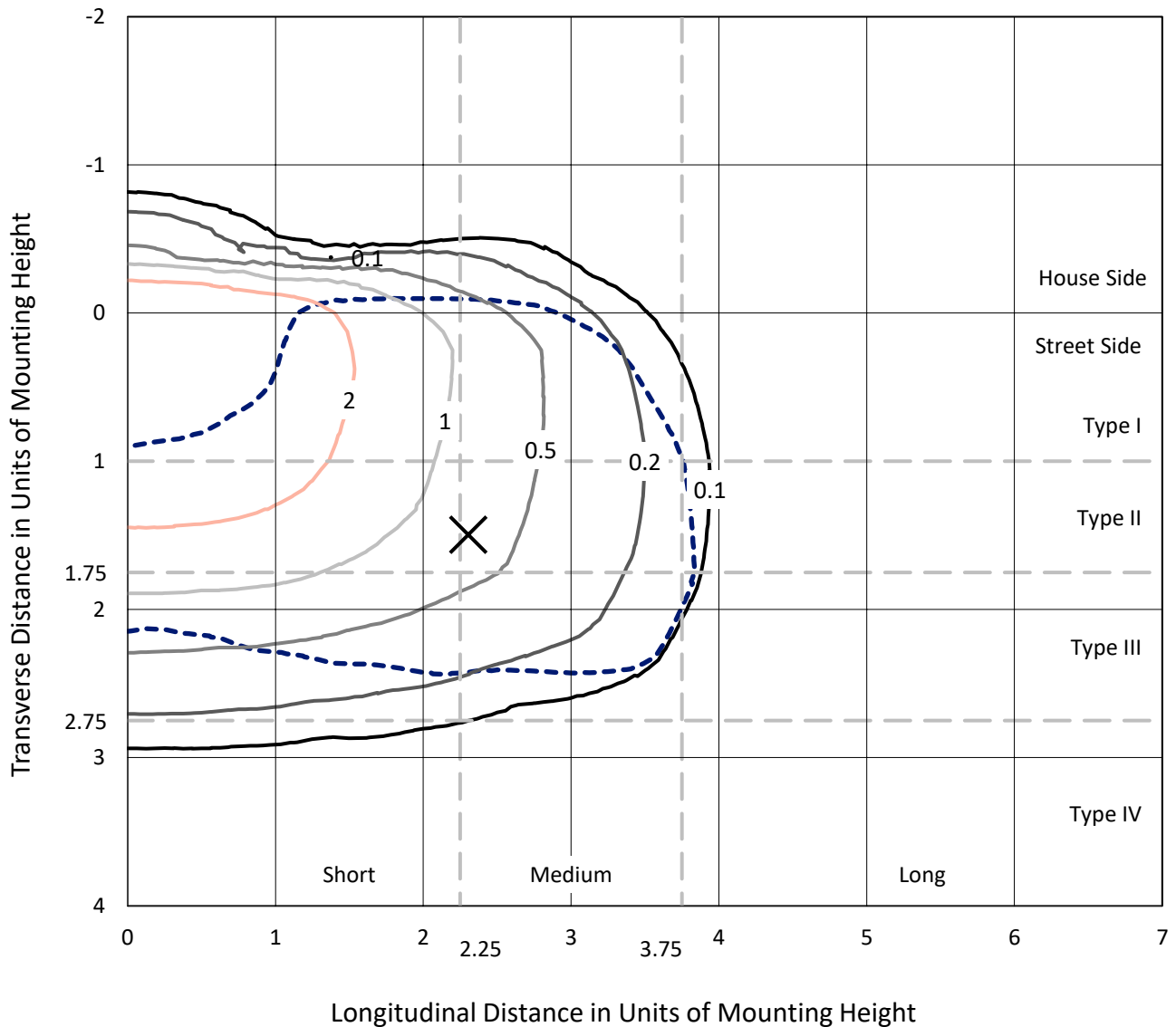
Lumens per Lamp: N/A  
Luminaire Lumens: 5553.5 lumens  
Efficiency: N/A  
Efficacy: 89.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

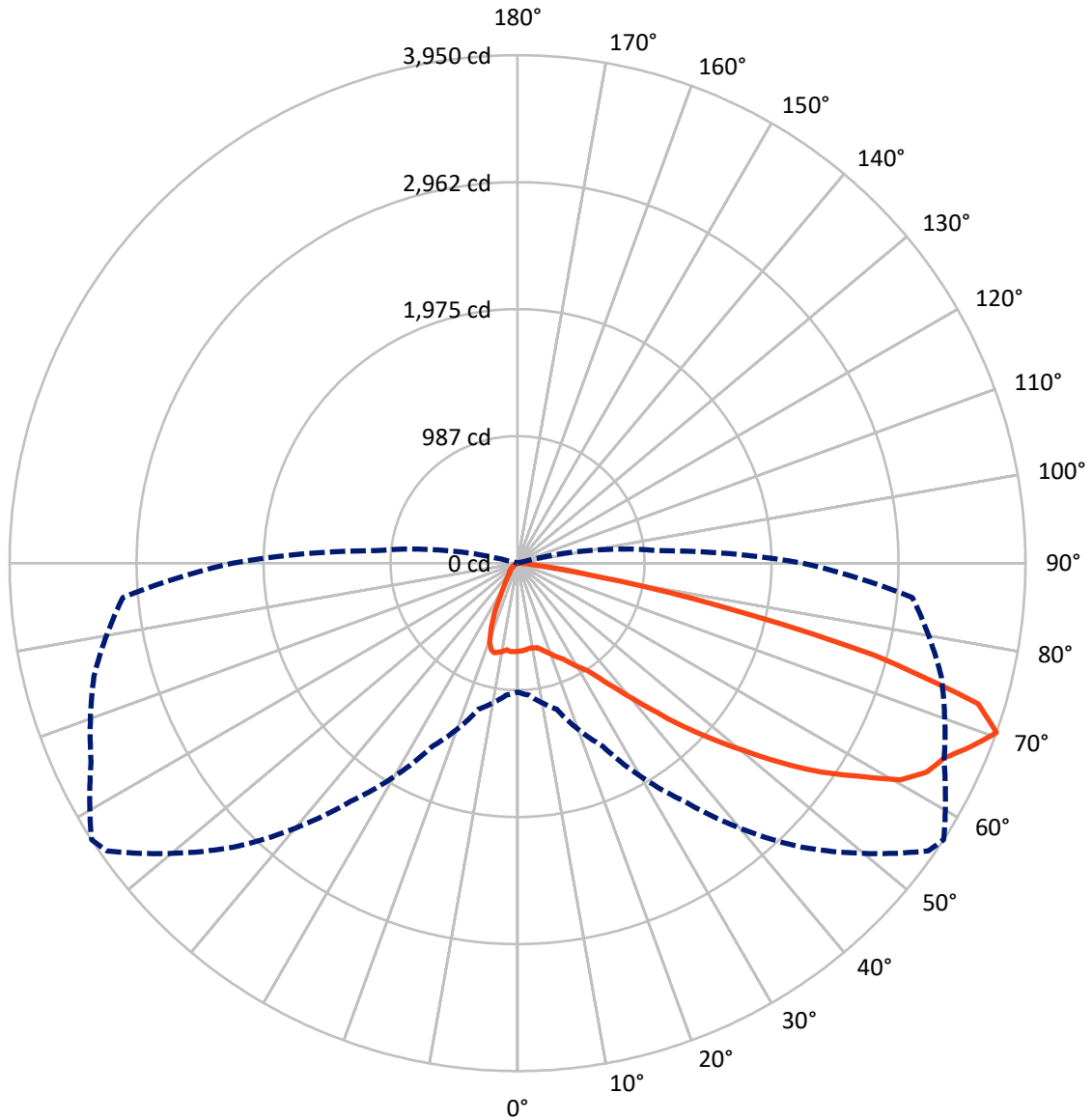
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	654.6	0.0	654.6
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	4898.9	0.0	4898.9
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	5553.5	0.0	5553.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.1	1.2
10°-20°	179.0	3.2
20°-30°	301.6	5.4
30°-40°	516.1	9.3
40°-50°	866.6	15.6
50°-60°	1330.3	24.0
60°-70°	1535.9	27.7
70°-80°	725.5	13.1
80°-90°	34.4	0.6
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°	5553.5	100.0
0°-180°	5553.5	100.0



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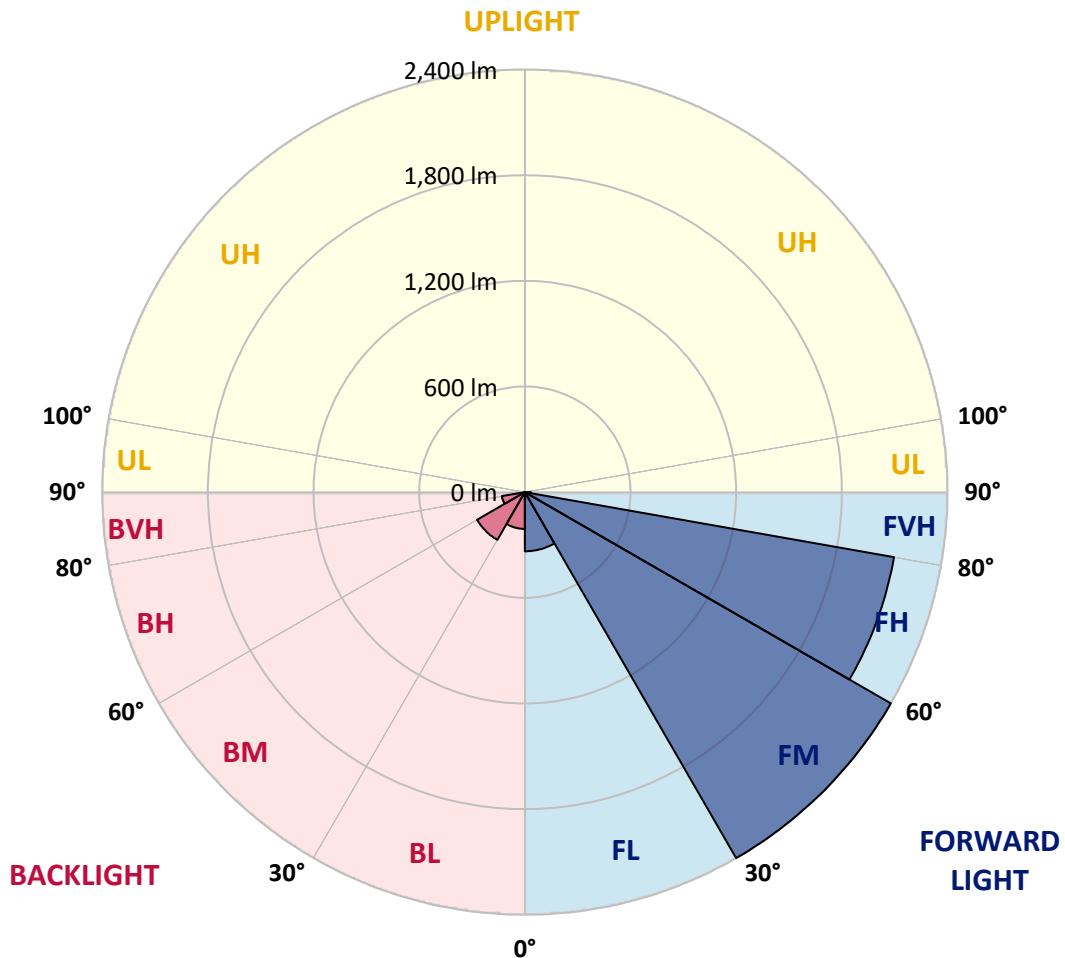
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	336.0	6.0			
FM (30°-60°)	2400.1	43.2			
FH (60°-80°)	2129.0	38.3			G2/5000
FVH (80°-90°)	33.8	0.6			G1/100
BL (0°-30°)	208.7	3.8	B1/500		
BM (30°-60°)	312.9	5.6	B1/1000		
BH (60°-80°)	132.4	2.4	B1/500		G1/500
BVH (80°-90°)	0.6	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-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2
2.5°	675.3	671.0	675.3	681.0	675.3	679.6	678.1	682.4	676.7	676.7	681.0
5°	631.3	638.4	641.3	648.3	655.4	668.2	676.7	676.7	685.2	689.5	695.2
7.5°	615.7	604.4	615.7	621.4	628.5	649.8	662.5	668.2	679.6	695.2	703.7
10°	593.0	601.5	601.5	620.0	629.9	642.7	665.4	669.6	695.2	710.8	719.3
12.5°	591.6	591.6	598.7	611.5	631.3	655.4	683.8	675.3	702.3	730.6	744.8
15°	595.9	605.8	605.8	622.8	638.4	672.5	696.6	698.0	736.3	764.7	777.4
17.5°	614.3	610.0	615.7	625.6	649.8	682.4	722.1	726.4	770.4	808.7	827.1
20°	652.6	659.7	651.2	645.5	655.4	698.0	749.1	757.6	807.2	844.1	862.6
22.5°	795.9	790.2	756.2	716.4	699.4	719.3	774.6	794.5	852.6	896.6	912.2
25°	957.6	947.7	908.0	848.4	770.4	761.8	825.7	825.7	909.4	957.6	953.4
27.5°	1110.8	1108.0	1061.2	998.8	888.1	827.1	866.8	882.4	973.2	1012.9	994.5
30°	1266.9	1269.7	1227.2	1152.0	1035.6	932.1	925.0	937.8	1021.5	1083.9	1045.6
32.5°	1448.5	1423.0	1393.2	1289.6	1183.2	1066.9	1000.2	994.5	1075.4	1132.1	1081.0
35°	1610.2	1594.6	1562.0	1468.4	1346.3	1207.3	1113.7	1099.5	1143.5	1218.7	1163.3
37.5°	1752.1	1736.5	1693.9	1631.5	1536.4	1381.8	1249.9	1228.6	1247.0	1326.5	1259.8
40°	1874.1	1878.4	1867.0	1806.0	1718.0	1577.6	1425.8	1391.7	1376.1	1447.1	1371.9
42.5°	1962.1	2003.2	2006.0	1930.8	1859.9	1783.3	1613.1	1586.1	1549.2	1608.8	1556.3
45°	2146.5	2123.8	2138.0	2111.0	2033.0	2021.6	1828.7	1813.1	1762.0	1781.9	1726.6
47.5°	2291.2	2286.9	2313.9	2269.9	2248.6	2250.1	2074.1	2047.2	1974.8	2011.7	1949.3
50°	2374.9	2352.2	2450.1	2484.1	2479.9	2496.9	2322.4	2299.7	2230.2	2284.1	2150.7
52.5°	2394.8	2435.9	2528.1	2651.5	2704.0	2739.5	2593.4	2584.9	2509.7	2543.7	2359.3
55°	2444.4	2484.1	2538.0	2740.9	2935.3	2943.8	2860.1	2868.6	2801.9	2793.4	2557.9
57.5°	2443.0	2434.5	2583.4	2819.0	3088.5	3210.5	3165.1	3124.0	3051.6	2967.9	2685.6
60°	2353.6	2349.4	2504.0	2828.9	3172.2	3451.7	3470.1	3421.9	3240.3	3116.9	2836.0
62.5°	2176.3	2193.3	2349.4	2743.8	3251.7	3538.2	3606.3	3573.7	3348.1	3216.2	3013.3
65°	1973.4	1937.9	2119.5	2531.0	3072.9	3512.7	3660.2	3648.9	3475.8	3324.0	3176.5
67.5°	1583.3	1598.9	1737.9	2177.7	2767.9	3419.1	3786.5	3803.5	3578.0	3419.1	3226.1
70°	1003.0	1031.4	1176.1	1573.3	2260.0	3124.0	3900.0	3949.7	3658.8	3410.5	3081.4
72.5°	292.3	303.6	500.8	784.5	1440.0	2505.4	3718.4	3743.9	3501.3	3095.6	2383.4
75°	96.5	102.1	147.5	255.4	564.6	1295.3	2746.6	2867.2	2786.3	2244.4	1363.4
77.5°	63.8	66.7	80.9	122.0	214.2	405.7	1472.6	1601.7	1570.5	1051.3	439.8
80°	46.8	48.2	59.6	82.3	130.5	146.1	543.4	628.5	607.2	241.2	88.0
82.5°	29.8	29.8	44.0	58.2	82.3	72.4	157.5	174.5	170.2	92.2	34.0
85°	19.9	21.3	32.6	45.4	45.4	34.0	45.4	52.5	56.7	49.7	15.6
87.5°	5.7	7.1	18.4	31.2	18.4	17.0	15.6	17.0	19.9	27.0	8.5
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°	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2
2.5°	685.2	690.9	689.5	692.3	688.1	683.8	688.1	688.1	688.1	683.8	681.0
5°	690.9	688.1	690.9	685.2	690.9	685.2	682.4	673.9	672.5	672.5	678.1
7.5°	699.4	702.3	689.5	689.5	676.7	679.6	672.5	673.9	671.0	666.8	664.0
10°	712.2	723.5	710.8	706.5	692.3	681.0	664.0	655.4	655.4	649.8	655.4
12.5°	747.7	743.4	736.3	722.1	705.1	682.4	641.3	600.1	566.1	540.5	553.3
15°	776.0	774.6	764.7	737.7	715.0	645.5	541.9	435.5	378.8	353.3	349.0
17.5°	820.0	815.8	798.7	763.3	688.1	534.8	371.7	282.3	227.0	214.2	210.0
20°	861.1	859.7	822.8	777.4	620.0	390.1	242.6	185.8	170.2	171.7	168.8
22.5°	905.1	898.0	854.1	760.4	493.7	259.6	173.1	166.0	160.3	158.9	161.7
25°	954.8	929.2	885.3	722.1	363.2	178.8	163.2	157.5	151.8	150.4	150.4
27.5°	974.6	957.6	899.5	629.9	229.8	156.1	153.2	146.1	139.0	134.8	133.4
30°	1020.0	991.7	913.6	495.1	163.2	143.3	139.0	130.5	120.6	113.5	113.5
32.5°	1065.4	1031.4	915.1	346.2	136.2	129.1	122.0	110.7	97.9	90.8	92.2
35°	1122.2	1075.4	899.5	224.2	122.0	113.5	99.3	86.5	75.2	69.5	69.5
37.5°	1218.7	1174.7	835.6	147.5	110.7	96.5	82.3	68.1	58.2	53.9	53.9
40°	1340.7	1283.9	747.7	116.3	97.9	82.3	65.3	52.5	46.8	42.6	42.6
42.5°	1486.8	1415.9	617.1	103.6	86.5	68.1	51.1	41.1	35.5	35.5	34.0
45°	1632.9	1516.6	483.8	95.1	76.6	56.7	39.7	32.6	29.8	28.4	28.4
47.5°	1841.5	1638.6	346.2	86.5	66.7	44.0	32.6	27.0	24.1	22.7	24.1
50°	2041.5	1753.5	245.4	78.0	55.3	35.5	27.0	24.1	21.3	19.9	19.9
52.5°	2217.4	1833.0	171.7	68.1	46.8	29.8	24.1	21.3	19.9	18.4	18.4
55°	2313.9	1806.0	117.8	58.2	38.3	25.5	21.3	18.4	17.0	15.6	15.6
57.5°	2413.2	1730.8	89.4	48.2	31.2	24.1	19.9	17.0	15.6	14.2	14.2
60°	2496.9	1675.5	69.5	38.3	25.5	19.9	17.0	14.2	12.8	11.3	9.9
62.5°	2501.2	1564.8	51.1	28.4	19.9	17.0	14.2	11.3	7.1	5.7	4.3
65°	2518.2	1448.5	36.9	21.3	14.2	12.8	9.9	5.7	2.8	0.0	0.0
67.5°	2458.6	1310.9	29.8	15.6	9.9	7.1	4.3	1.4	0.0	0.0	0.0
70°	2216.0	1106.6	22.7	11.3	7.1	4.3	1.4	0.0	0.0	0.0	0.0
72.5°	1586.1	719.3	15.6	8.5	2.8	1.4	0.0	0.0	0.0	0.0	0.0
75°	845.5	306.4	11.3	5.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	265.3	78.0	7.1	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	58.2	21.3	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.9	8.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.1	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	1.4	1.4	0.0	0.0	0.0	0.0	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)