

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: P674585

Luminaire Tested: **CCP-SA-1F-760-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674585  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-760-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T2R distribution lens and House Side Shield  
Light Source: (16) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

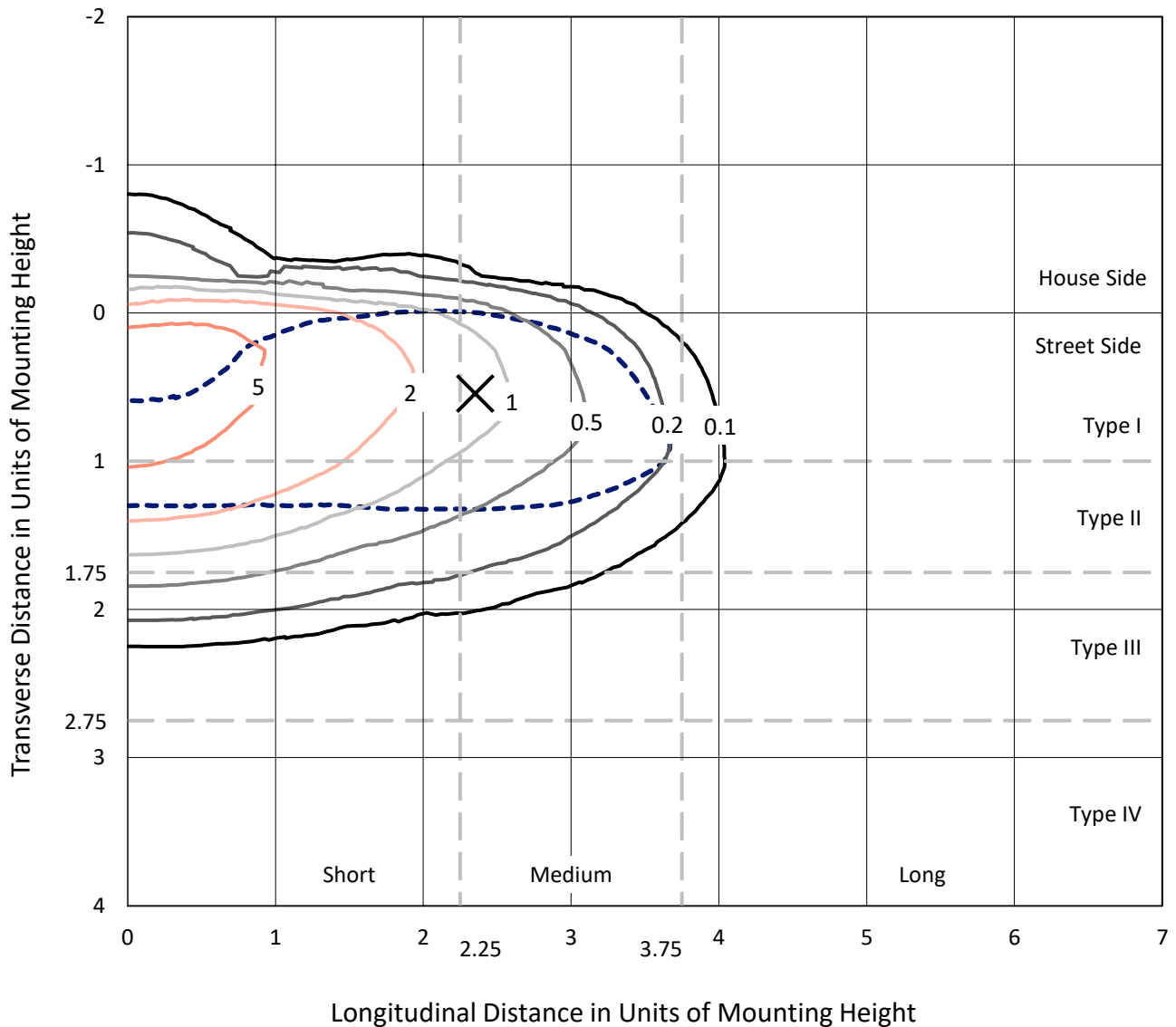
Lumens per Lamp: N/A  
Luminaire Lumens: 6209.9 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 67  
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

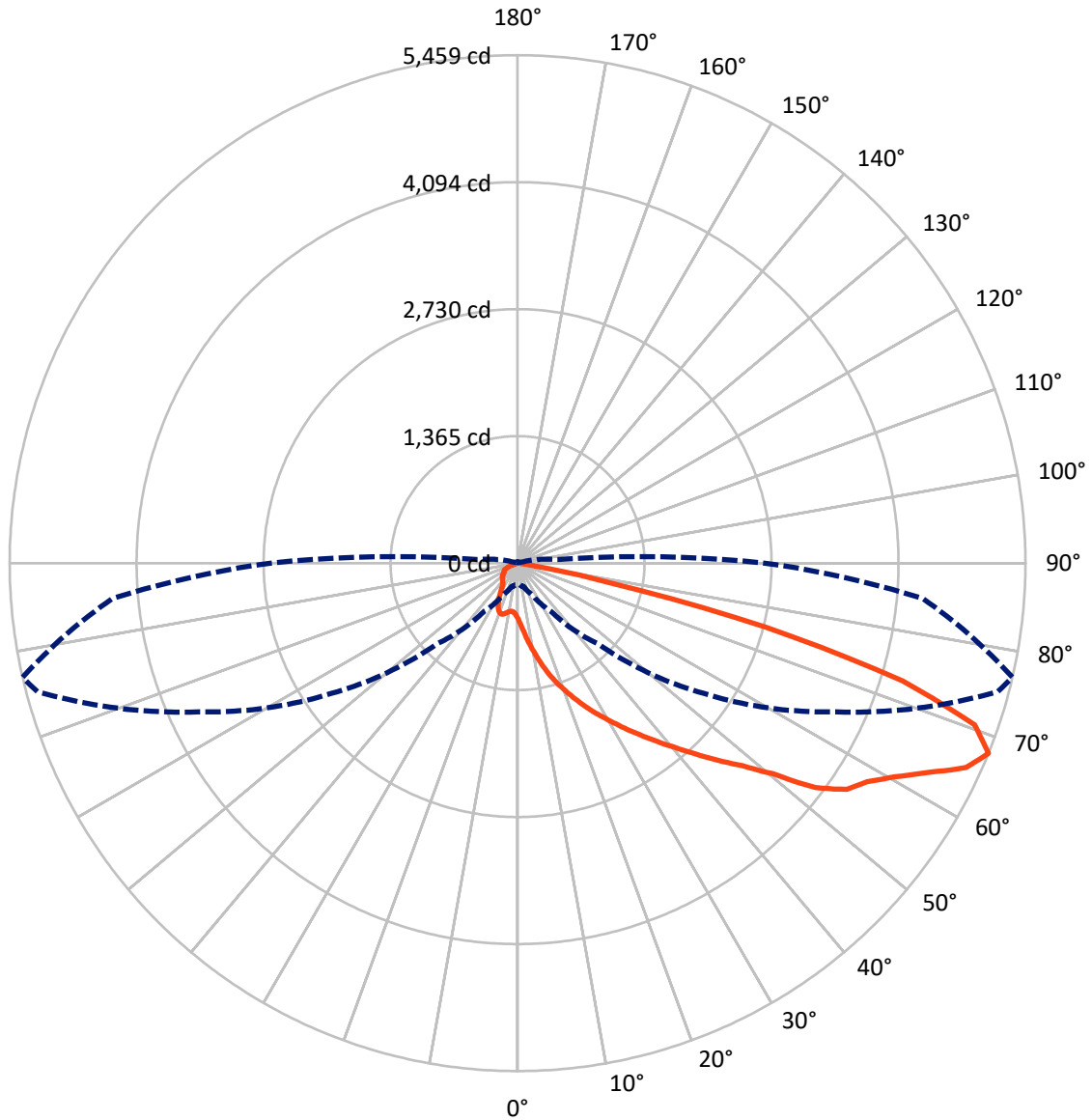
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.7 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	388.1	0.0	388.1
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	5821.9	0.0	5821.9
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	6209.9	0.0	6209.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.9	1.1
10°-20°	258.5	4.2
20°-30°	505.0	8.1
30°-40°	883.0	14.2
40°-50°	1287.7	20.7
50°-60°	1505.8	24.2
60°-70°	1220.6	19.7
70°-80°	458.6	7.4
80°-90°	20.8	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°	6209.9	100.0
0°-180°	6209.9	100.0

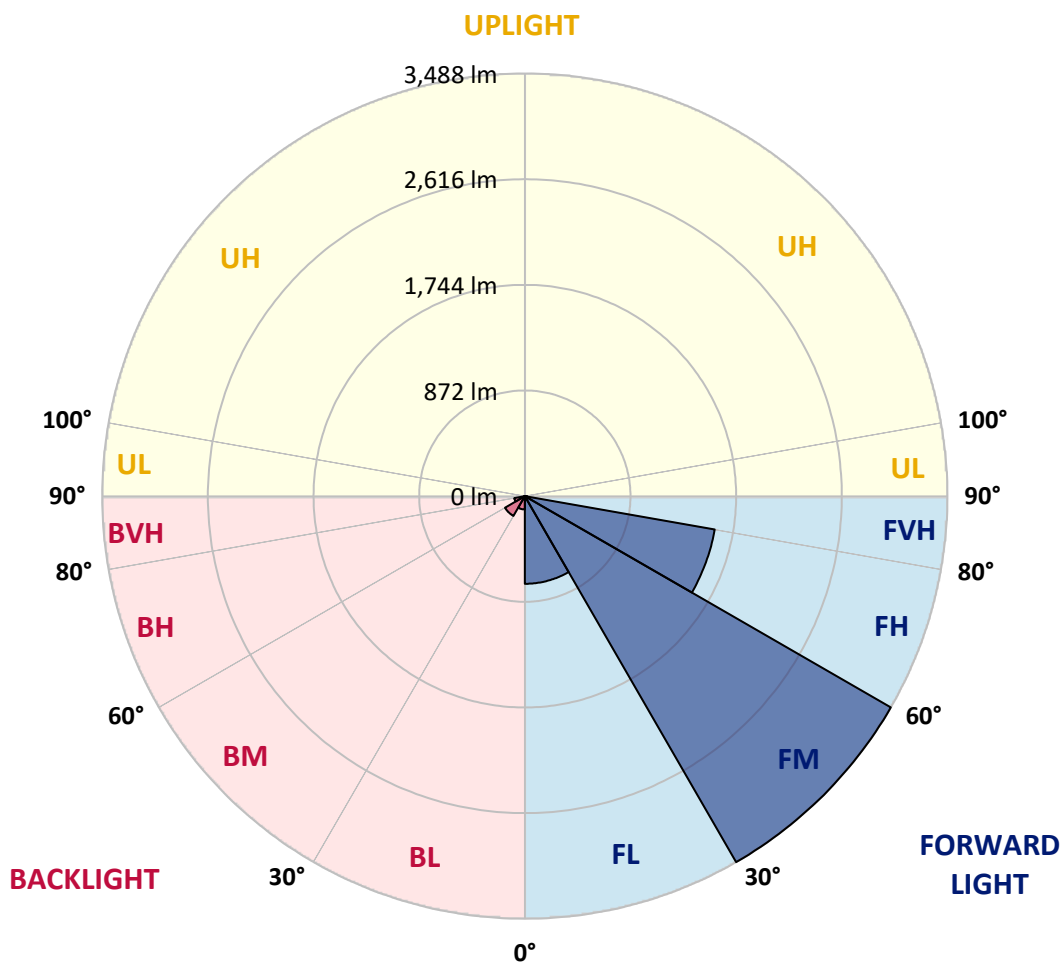


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	723.4	11.6			
FM (30°-60°)	3487.6	56.2			
FH (60°-80°)	1591.2	25.6			G1/1800
FVH (80°-90°)	19.6	0.3			G1/100
BL (0°-30°)	110.0	1.8	B1/500		
BM (30°-60°)	188.8	3.0	B0/220		
BH (60°-80°)	88.0	1.4	B0/110		G0/110
BVH (80°-90°)	1.2	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-G1**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	594.8	594.8	594.8	594.8	594.8	594.8	594.8	594.8	594.8	594.8	594.8
2.5°	893.0	860.5	866.7	853.2	835.8	795.5	752.9	710.3	672.2	663.7	625.6
5°	1143.6	1133.5	1122.9	1113.9	1077.5	1027.0	950.2	852.7	764.7	749.5	670.5
7.5°	1338.1	1323.0	1332.5	1305.1	1266.9	1218.2	1120.6	1016.4	880.7	858.3	735.5
10°	1481.7	1473.2	1477.7	1464.8	1446.3	1397.6	1301.1	1170.5	1013.6	971.0	808.4
12.5°	1589.3	1591.0	1610.6	1611.7	1596.6	1556.8	1454.7	1318.5	1134.1	1096.0	889.1
15°	1667.8	1669.5	1693.6	1719.3	1736.7	1716.0	1623.5	1471.0	1275.9	1223.8	973.8
17.5°	1680.7	1681.8	1724.4	1776.5	1830.3	1848.3	1777.1	1622.4	1405.4	1346.0	1070.7
20°	1689.1	1698.6	1736.7	1796.7	1881.9	1937.4	1898.7	1767.6	1531.0	1462.0	1166.0
22.5°	1791.1	1791.1	1813.5	1856.1	1924.0	2010.9	2003.0	1901.0	1653.2	1584.8	1260.8
25°	2007.5	2007.5	1985.6	1974.4	2010.9	2079.3	2098.9	2043.4	1792.8	1712.1	1360.6
27.5°	2294.0	2294.0	2259.8	2177.4	2146.0	2174.6	2195.3	2167.3	1921.7	1842.1	1466.0
30°	2591.1	2601.2	2541.7	2436.9	2327.0	2305.2	2285.0	2278.8	2059.1	1969.4	1573.0
32.5°	2889.3	2888.2	2814.2	2683.6	2540.1	2462.7	2397.1	2389.8	2204.8	2116.8	1674.5
35°	3127.6	3128.1	3050.2	2916.2	2750.3	2651.6	2546.2	2512.0	2364.6	2266.5	1795.6
37.5°	3333.9	3322.1	3238.0	3110.7	2956.0	2854.0	2722.8	2633.7	2530.0	2430.2	1916.7
40°	3452.2	3436.5	3354.6	3233.5	3116.4	3038.4	2922.9	2780.6	2711.6	2604.0	2054.6
42.5°	3469.5	3456.1	3401.7	3328.8	3233.0	3164.6	3133.7	2946.5	2902.2	2804.7	2219.4
45°	3420.8	3398.9	3381.0	3342.8	3315.9	3282.9	3324.9	3123.1	3120.8	3023.9	2382.5
47.5°	3299.7	3270.0	3274.4	3316.5	3346.8	3376.5	3507.7	3354.6	3341.2	3250.3	2596.7
50°	3092.8	3078.2	3127.6	3210.5	3330.5	3449.3	3689.8	3591.2	3644.4	3559.2	2892.1
52.5°	2672.4	2690.3	2837.7	3037.3	3244.7	3483.5	3860.8	3944.4	4080.6	4010.5	3189.2
55°	2167.8	2161.1	2357.9	2712.2	3043.5	3461.7	3935.4	4152.3	4366.5	4293.0	3354.6
57.5°	1746.3	1758.0	1890.9	2241.3	2702.1	3292.9	3952.8	4261.1	4481.4	4432.6	3507.7
60°	1310.7	1321.9	1443.0	1747.9	2248.0	2940.9	3809.3	4299.2	4697.2	4660.2	3752.1
62.5°	834.2	848.7	970.4	1266.9	1718.2	2393.7	3486.9	4259.4	4922.6	4953.4	4085.6
65°	410.4	423.3	512.9	740.0	1148.7	1790.0	3037.3	4107.5	5209.6	5297.6	4353.0
67.5°	227.0	233.2	264.0	376.7	640.8	1227.7	2440.8	3782.9	5341.4	5459.1	4371.0
70°	176.6	178.3	190.0	219.8	312.3	720.4	1736.2	3242.5	5068.3	5210.7	4007.1
72.5°	148.6	150.8	156.4	166.5	195.1	375.0	1090.9	2505.9	4264.5	4328.9	3100.1
75°	108.8	112.1	127.8	136.8	154.2	227.6	481.0	1505.8	2818.1	2754.8	1734.5
77.5°	91.4	94.2	98.1	111.0	127.3	155.3	168.7	631.2	1147.0	997.3	455.2
80°	62.2	65.6	76.2	83.0	107.6	102.6	70.1	169.3	230.4	187.8	87.5
82.5°	44.3	47.1	52.7	67.8	77.9	54.4	38.1	51.6	55.5	52.7	28.6
85°	14.0	17.9	38.1	56.1	42.0	18.5	24.1	19.6	17.4	16.8	11.2
87.5°	2.8	2.8	19.1	22.4	16.8	9.5	8.4	6.2	7.8	7.8	6.2
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°	594.8	594.8	594.8	594.8	594.8	594.8	594.8	594.8	594.8	594.8	594.8
2.5°	607.7	582.5	546.0	511.8	477.1	452.4	435.0	417.6	410.9	408.1	400.8
5°	634.6	586.4	514.1	455.8	413.2	386.3	370.0	356.0	347.0	344.2	340.3
7.5°	673.3	603.8	500.1	432.8	390.2	361.0	334.7	304.4	280.3	270.8	266.8
10°	715.3	630.1	502.3	428.3	371.7	307.8	248.9	200.1	178.8	171.0	165.4
12.5°	777.0	659.3	511.8	423.3	316.2	219.8	159.2	139.0	134.0	132.9	131.7
15°	838.7	700.2	527.5	389.6	236.0	149.7	132.3	125.0	122.2	119.4	119.4
17.5°	900.9	739.4	533.7	324.0	163.1	129.5	120.5	114.4	109.9	107.6	106.0
20°	971.0	780.9	515.7	243.9	130.6	118.3	108.2	100.9	97.0	94.7	93.1
22.5°	1046.6	821.8	476.5	169.9	118.8	106.5	97.0	89.7	85.8	83.5	83.0
25°	1117.8	857.2	413.7	127.8	107.1	95.3	86.3	80.2	77.4	75.1	74.6
27.5°	1191.3	887.4	331.9	112.7	97.5	86.3	77.4	72.3	69.5	67.8	67.3
30°	1263.0	908.2	247.2	103.1	89.1	77.9	70.1	66.2	63.3	61.7	61.1
32.5°	1337.0	919.9	167.1	94.7	80.7	70.6	63.9	60.0	58.3	56.6	56.6
35°	1408.2	918.3	120.5	86.9	74.0	63.9	57.7	54.9	54.4	52.7	52.7
37.5°	1486.1	906.5	102.6	79.6	66.7	57.7	52.7	51.0	50.5	49.3	48.8
40°	1574.7	880.1	93.6	74.0	60.5	52.7	48.2	47.1	46.5	45.4	45.4
42.5°	1671.7	845.9	88.6	67.8	55.5	47.7	44.3	42.6	42.0	40.9	40.9
45°	1784.4	813.4	85.2	61.7	51.0	43.7	40.4	38.7	38.1	37.0	37.0
47.5°	1938.0	794.9	79.6	56.1	46.0	39.8	36.4	35.3	34.2	33.1	33.1
50°	2149.3	773.1	72.3	50.5	42.0	35.9	33.6	32.0	31.4	30.3	30.3
52.5°	2323.1	726.5	65.0	44.8	37.6	33.1	30.8	29.7	28.6	28.0	28.0
55°	2384.2	672.2	57.7	40.4	34.2	30.8	28.6	27.5	26.9	26.3	26.3
57.5°	2481.8	654.8	51.0	35.9	30.8	28.6	26.3	25.8	25.2	24.7	24.1
60°	2648.3	664.9	44.8	32.0	28.0	25.8	24.1	23.5	22.4	21.3	21.3
62.5°	2809.7	652.5	38.1	28.0	24.1	23.0	21.3	20.2	17.9	16.3	15.1
65°	2848.9	570.1	33.1	23.5	20.2	19.1	17.4	15.1	11.8	9.5	9.5
67.5°	2658.9	433.3	28.6	20.2	16.8	15.7	12.3	10.1	7.3	5.6	5.6
70°	2194.2	274.7	23.5	15.7	14.0	10.7	7.8	7.3	5.0	4.5	3.9
72.5°	1583.1	150.2	19.6	12.9	10.1	6.7	5.6	4.5	3.4	2.2	2.2
75°	801.7	70.6	14.6	10.1	6.7	4.5	3.4	2.2	2.2	1.7	1.7
77.5°	227.0	32.5	9.5	6.7	4.5	2.8	2.2	1.7	1.7	1.1	1.1
80°	44.8	16.3	6.2	4.5	3.4	2.2	1.7	1.1	1.1	0.6	0.6
82.5°	16.3	8.4	4.5	3.4	2.8	2.2	1.1	0.6	0.6	0.0	0.0
85°	8.4	4.5	3.4	2.8	2.2	1.7	1.1	0.6	0.0	0.0	0.0
87.5°	4.5	3.4	2.8	2.8	2.2	1.7	1.1	0.6	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)