

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: P674704

Luminaire Tested: **CCP-SA-1C-740-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674704  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-740-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3R distribution lens and House Side Shield  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

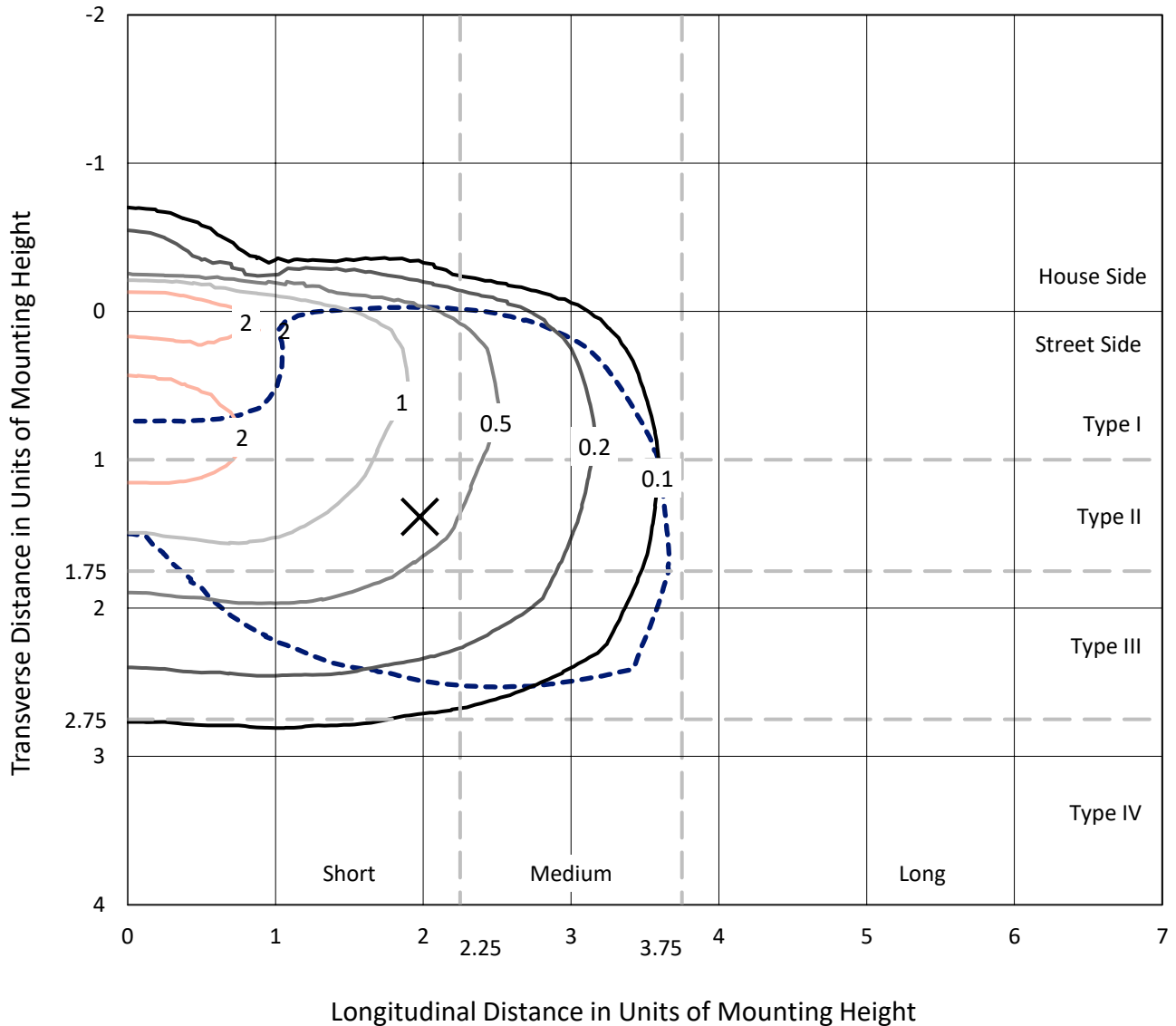
Lumens per Lamp: N/A  
Luminaire Lumens: 3585.8 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 32  
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

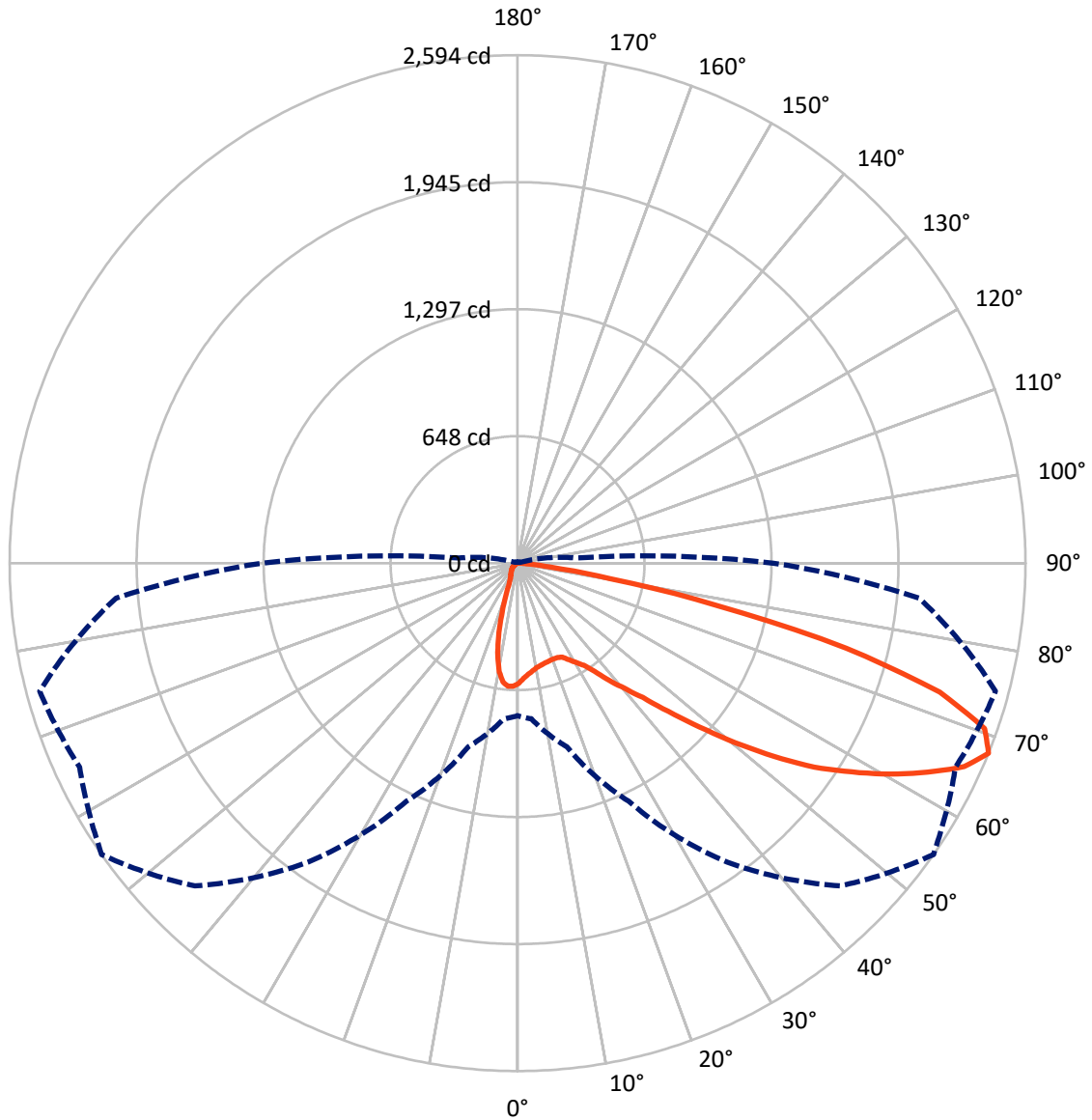
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	322.1	0.0	322.1
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	3263.6	0.0	3263.6
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	3585.8	0.0	3585.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.9	1.5
10°-20°	122.8	3.4
20°-30°	197.0	5.5
30°-40°	341.7	9.5
40°-50°	569.7	15.9
50°-60°	833.1	23.2
60°-70°	971.4	27.1
70°-80°	471.4	13.1
80°-90°	24.7	0.7
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°	3585.8	100.0
0°-180°	3585.8	100.0



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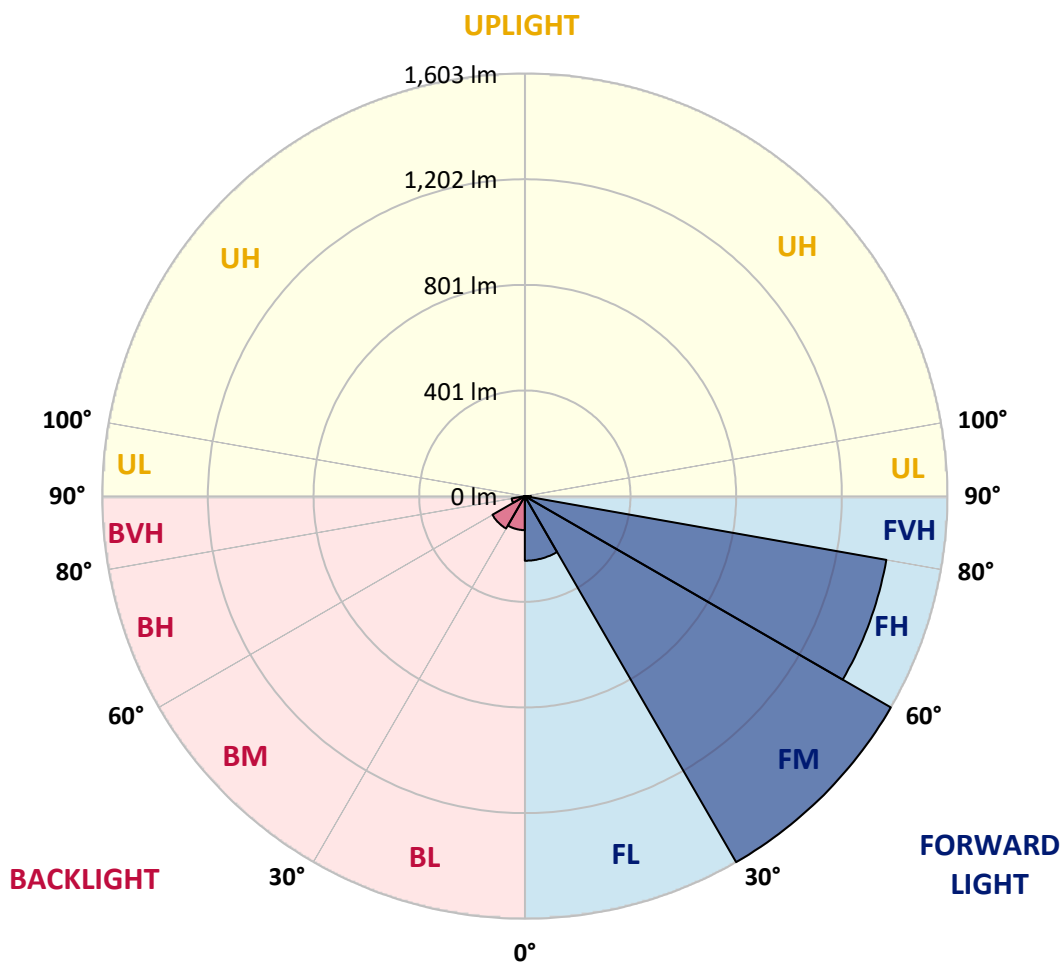
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	245.0	6.8			
FM (30°-60°)	1602.7	44.7			
FH (60°-80°)	1392.0	38.8			G1/1800
FVH (80°-90°)	23.9	0.7			G1/100
BL (0°-30°)	128.8	3.6	B1/500		
BM (30°-60°)	141.8	4.0	B0/220		
BH (60°-80°)	50.8	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	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-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5
2.5°	567.3	570.9	575.5	577.2	582.8	590.7	588.4	586.7	595.7	607.9	611.9
5°	531.9	532.2	539.5	544.8	554.4	562.0	570.2	569.6	585.8	606.6	619.8
7.5°	497.2	497.9	505.5	513.7	527.6	542.5	555.0	554.4	580.5	608.2	633.3
10°	451.6	454.9	464.2	478.7	500.5	524.0	541.5	543.1	574.5	614.5	651.8
12.5°	415.0	416.6	426.8	445.7	471.4	502.2	534.9	533.9	575.8	626.1	675.9
15°	399.4	398.4	404.7	418.6	448.0	486.6	528.3	530.6	580.5	639.3	701.1
17.5°	403.1	402.1	405.4	410.3	431.1	473.8	524.6	528.6	587.7	653.2	724.5
20°	443.4	436.4	430.5	425.2	428.2	463.2	522.3	526.6	592.0	663.7	749.3
22.5°	521.0	512.4	496.6	467.2	447.7	463.8	523.0	528.6	601.6	680.9	779.4
25°	647.5	639.3	605.2	545.1	493.6	487.6	531.9	537.9	623.7	707.0	811.4
27.5°	815.0	796.5	755.2	669.0	569.6	525.6	558.7	565.3	655.1	727.2	833.2
30°	954.1	949.8	910.2	804.5	674.3	581.5	588.7	592.4	669.3	739.4	855.0
32.5°	1098.5	1089.6	1053.2	950.5	795.9	661.1	622.4	624.1	687.8	757.6	886.7
35°	1224.0	1215.8	1185.4	1085.6	937.9	768.1	678.3	674.6	726.2	797.5	929.7
37.5°	1340.3	1339.3	1312.6	1210.8	1065.5	879.1	760.5	757.6	786.0	841.5	987.8
40°	1454.0	1451.3	1428.5	1335.7	1191.0	989.8	838.8	831.2	836.8	902.9	1064.5
42.5°	1523.7	1529.3	1537.2	1478.4	1340.0	1119.6	937.9	933.3	932.3	999.1	1165.2
45°	1561.4	1571.3	1617.9	1612.6	1497.9	1281.2	1079.0	1067.1	1063.1	1131.2	1280.5
47.5°	1598.0	1602.3	1678.6	1710.7	1649.2	1449.7	1249.5	1233.0	1216.8	1292.4	1418.3
50°	1600.3	1607.3	1701.8	1779.7	1776.1	1615.5	1440.8	1426.2	1407.7	1488.7	1552.8
52.5°	1568.0	1581.8	1698.8	1823.3	1854.7	1761.9	1639.3	1627.4	1612.2	1672.7	1666.1
55°	1344.3	1367.8	1640.6	1827.3	1909.9	1887.4	1838.9	1822.4	1807.5	1850.4	1777.1
57.5°	1237.9	1251.1	1464.2	1824.3	1980.3	2003.7	2012.0	2004.4	1983.6	2037.1	1893.1
60°	1174.2	1193.3	1380.0	1791.3	2056.3	2135.2	2187.1	2171.9	2146.5	2220.1	2017.3
62.5°	1097.8	1111.7	1296.1	1696.2	2101.5	2269.0	2351.3	2337.4	2284.9	2388.9	2117.7
65°	957.1	977.9	1162.6	1546.5	2040.7	2367.1	2505.9	2501.3	2410.1	2516.5	2145.1
67.5°	779.0	797.9	970.0	1341.3	1863.0	2330.5	2593.5	2578.9	2466.9	2526.1	2058.2
70°	584.8	595.0	724.8	1024.8	1526.3	2134.6	2530.0	2527.0	2380.7	2384.0	1791.6
72.5°	313.9	342.3	482.0	685.9	1073.4	1728.9	2254.8	2242.9	2124.0	1952.5	1288.5
75°	109.7	117.9	256.7	385.2	583.1	1151.7	1733.8	1706.1	1588.4	1270.0	702.0
77.5°	67.4	74.0	114.0	196.9	227.0	499.9	1041.7	1005.7	929.7	549.1	239.9
80°	46.6	52.5	76.3	103.1	77.3	161.9	479.4	465.8	358.5	130.8	55.2
82.5°	26.1	31.4	57.8	50.5	31.1	42.0	166.2	154.0	95.5	35.4	18.5
85°	15.2	18.2	40.6	35.7	15.9	14.9	43.3	38.7	24.8	13.2	8.9
87.5°	7.9	10.2	29.7	23.8	9.6	5.3	9.9	9.6	6.3	4.6	5.9
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°	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5
2.5°	619.1	617.5	626.1	629.0	628.4	627.1	630.4	626.1	625.7	624.7	623.7
5°	630.4	633.0	639.9	639.9	630.7	615.5	606.2	593.7	583.1	576.8	575.8
7.5°	647.2	652.5	657.1	642.9	611.2	573.5	533.6	502.2	474.8	460.5	459.2
10°	671.0	675.9	672.3	631.7	563.6	485.7	420.6	355.2	322.4	304.6	304.6
12.5°	699.4	703.4	681.2	603.6	485.3	372.3	285.4	216.7	184.0	162.9	161.6
15°	730.1	731.1	679.9	554.7	388.5	250.1	163.9	120.3	106.4	103.4	102.7
17.5°	756.9	752.9	666.0	482.3	279.8	149.0	104.1	94.2	91.5	91.5	91.5
20°	782.0	768.8	638.3	398.1	179.4	101.4	89.5	86.9	86.9	87.2	87.2
22.5°	809.8	783.7	598.6	304.6	115.3	86.9	83.9	82.6	82.3	83.3	82.9
25°	842.5	798.2	541.8	210.4	89.2	80.9	79.6	78.3	78.3	78.3	78.3
27.5°	860.6	796.2	477.1	132.8	78.0	75.0	73.7	72.4	71.4	71.0	71.4
30°	876.5	784.6	392.5	92.8	70.4	67.1	66.1	64.4	62.4	61.8	61.8
32.5°	897.3	775.1	303.9	74.7	63.8	60.1	57.2	54.5	51.2	49.9	49.6
35°	920.4	757.6	222.7	65.7	57.8	53.2	48.6	44.3	40.0	38.7	38.3
37.5°	949.2	741.7	151.0	60.8	52.9	47.2	41.0	35.0	31.1	30.4	30.4
40°	988.2	728.5	104.4	56.5	48.2	41.6	34.0	27.8	25.1	24.4	24.4
42.5°	1041.3	717.6	79.0	52.9	44.3	36.0	27.4	22.8	20.8	20.2	20.2
45°	1104.1	700.7	66.7	49.6	40.3	30.4	22.8	19.2	18.2	18.2	18.2
47.5°	1176.1	679.6	60.8	46.3	36.0	24.8	19.2	17.5	17.2	17.2	17.5
50°	1248.8	654.5	56.5	42.3	31.1	21.1	17.5	16.5	16.5	16.8	16.8
52.5°	1298.0	615.2	52.2	38.0	26.1	18.5	16.5	16.2	15.9	15.9	15.9
55°	1346.0	580.8	46.3	33.4	21.8	17.2	15.9	15.5	15.5	15.2	15.2
57.5°	1395.8	553.7	38.7	27.8	18.5	16.2	15.2	15.2	14.5	14.2	14.2
60°	1453.7	529.9	29.7	21.8	16.2	15.2	14.2	13.9	13.2	12.6	12.6
62.5°	1470.5	479.7	22.5	17.5	13.9	13.2	12.9	12.2	10.6	9.3	9.6
65°	1426.6	400.7	17.8	13.9	11.2	11.2	10.2	8.6	6.9	5.9	5.9
67.5°	1305.3	299.3	14.5	10.9	8.9	8.6	7.3	6.3	4.3	3.6	3.6
70°	1075.7	197.9	11.9	8.6	7.3	5.9	5.0	4.6	3.3	2.6	2.6
72.5°	753.9	107.4	9.9	6.9	5.3	4.0	3.3	3.0	2.3	2.0	1.7
75°	398.1	41.3	7.9	5.3	3.3	2.6	2.0	2.0	1.7	1.3	1.3
77.5°	136.4	17.5	5.6	3.0	2.3	1.7	1.3	1.0	1.3	1.0	1.0
80°	32.4	10.2	3.6	2.0	1.3	1.0	1.0	0.7	0.7	0.7	0.7
82.5°	14.2	5.9	2.3	1.3	1.3	1.0	0.7	0.3	0.3	0.3	0.3
85°	9.6	3.6	1.7	1.3	1.0	0.7	0.3	0.3	0.0	0.0	0.0
87.5°	7.6	2.3	1.3	1.3	1.0	0.7	0.3	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)