

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: P673300

Luminaire Tested: **CCP-SA-1F-827-U-T3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673300  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-827-U-T3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T3 distribution lens and House Side Shield  
Light Source: (16) 2700K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

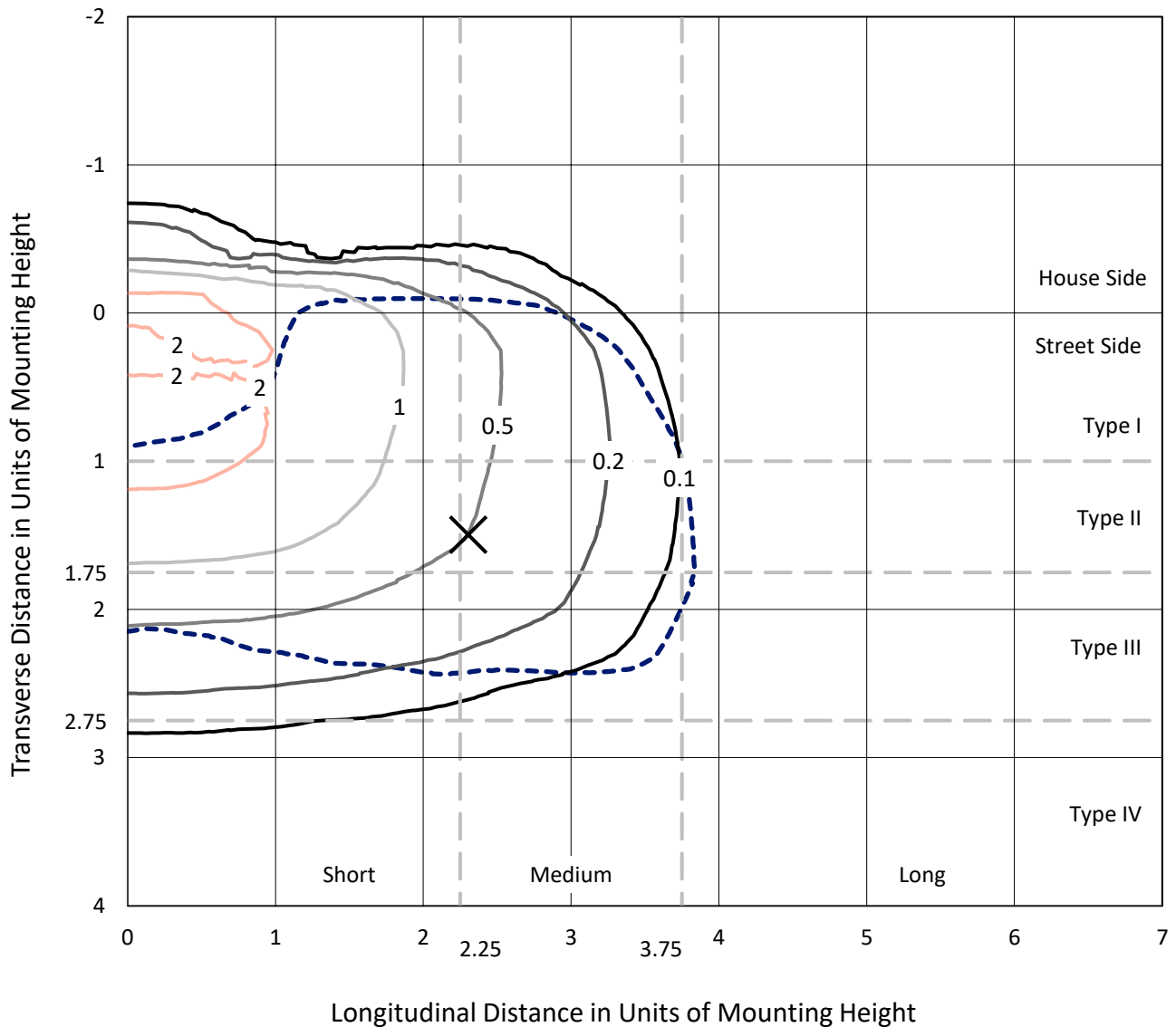
Lumens per Lamp: N/A  
Luminaire Lumens: 3970.6 lumens  
Efficiency: N/A  
Efficacy: 59.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

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

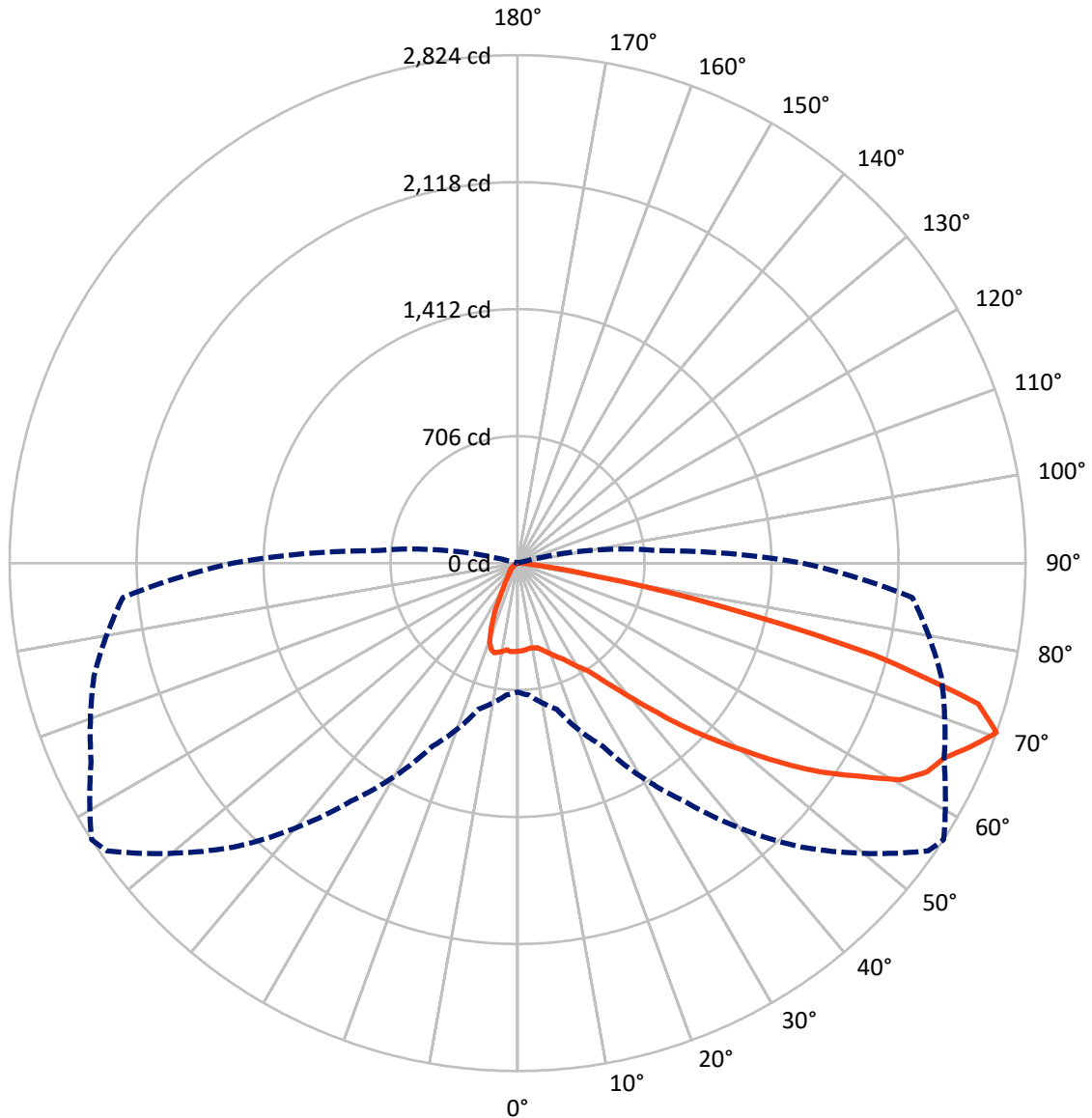
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 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	468.0	0.0	468.0
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	3502.6	0.0	3502.6
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	3970.6	0.0	3970.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.8	1.2
10°-20°	128.0	3.2
20°-30°	215.6	5.4
30°-40°	369.0	9.3
40°-50°	619.6	15.6
50°-60°	951.1	24.0
60°-70°	1098.1	27.7
70°-80°	518.7	13.1
80°-90°	24.6	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°	3970.6	100.0
0°-180°	3970.6	100.0



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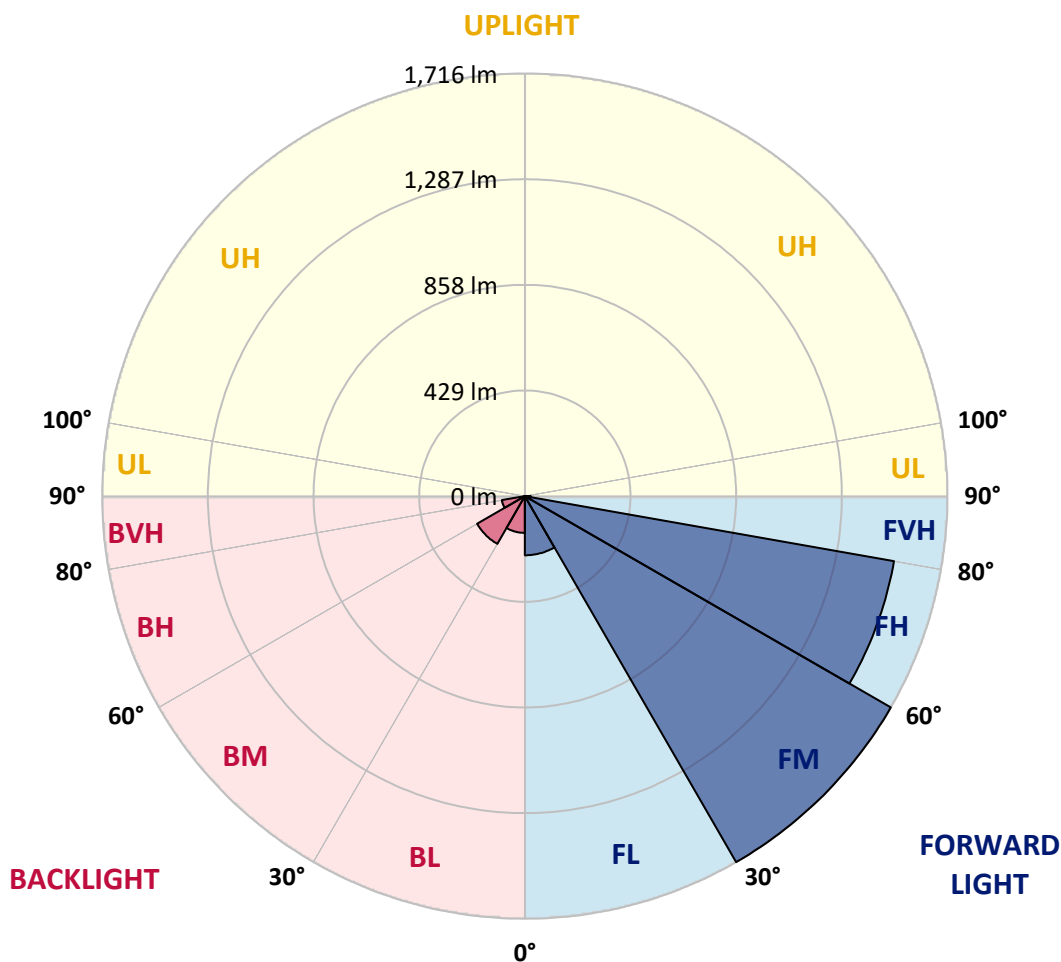
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	240.2	6.0			
FM (30°-60°)	1716.0	43.2			
FH (60°-80°)	1522.1	38.3			G1/1800
FVH (80°-90°)	24.2	0.6			G1/100
BL (0°-30°)	149.2	3.8	B1/500		
BM (30°-60°)	223.7	5.6	B1/1000		
BH (60°-80°)	94.7	2.4	B0/110		G0/110
BVH (80°-90°)	0.4	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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9
2.5°	482.8	479.8	482.8	486.9	482.8	485.9	484.8	487.9	483.8	483.8	486.9
5°	451.4	456.4	458.5	463.5	468.6	477.7	483.8	483.8	489.9	493.0	497.0
7.5°	440.2	432.1	440.2	444.3	449.3	464.6	473.7	477.7	485.9	497.0	503.1
10°	424.0	430.1	430.1	443.3	450.4	459.5	475.7	478.8	497.0	508.2	514.3
12.5°	423.0	423.0	428.0	437.2	451.4	468.6	488.9	482.8	502.1	522.4	532.5
15°	426.0	433.1	433.1	445.3	456.4	480.8	498.0	499.0	526.4	546.7	555.8
17.5°	439.2	436.2	440.2	447.3	464.6	487.9	516.3	519.3	550.8	578.2	591.3
20°	466.6	471.7	465.6	461.5	468.6	499.0	535.6	541.6	577.1	603.5	616.7
22.5°	569.0	565.0	540.6	512.2	500.1	514.3	553.8	568.0	609.6	641.1	652.2
25°	684.7	677.6	649.2	606.6	550.8	544.7	590.3	590.3	650.2	684.7	681.6
27.5°	794.2	792.2	758.7	714.1	635.0	591.3	619.8	630.9	695.8	724.2	711.0
30°	905.8	907.8	877.4	823.6	740.5	666.4	661.3	670.5	730.3	774.9	747.6
32.5°	1035.6	1017.4	996.1	922.0	845.9	762.8	715.1	711.0	768.9	809.4	772.9
35°	1151.3	1140.1	1116.8	1049.8	962.6	863.2	796.2	786.1	817.5	871.3	831.7
37.5°	1252.7	1241.5	1211.1	1166.5	1098.5	987.9	893.6	878.4	891.6	948.4	900.7
40°	1339.9	1343.0	1334.8	1291.2	1228.3	1127.9	1019.4	995.0	983.9	1034.6	980.8
42.5°	1402.8	1432.2	1434.3	1380.5	1329.8	1275.0	1153.3	1134.0	1107.6	1150.2	1112.7
45°	1534.7	1518.4	1528.6	1509.3	1453.5	1445.4	1307.5	1296.3	1259.8	1274.0	1234.4
47.5°	1638.1	1635.1	1654.4	1622.9	1607.7	1608.7	1482.9	1463.7	1411.9	1438.3	1393.7
50°	1698.0	1681.7	1751.7	1776.1	1773.0	1785.2	1660.4	1644.2	1594.5	1633.1	1537.7
52.5°	1712.2	1741.6	1807.5	1895.8	1933.3	1958.7	1854.2	1848.1	1794.3	1818.7	1686.8
55°	1747.7	1776.1	1814.6	1959.7	2098.6	2104.7	2044.9	2051.0	2003.3	1997.2	1828.8
57.5°	1746.7	1740.6	1847.1	2015.5	2208.2	2295.4	2263.0	2233.5	2181.8	2122.0	1920.1
60°	1682.8	1679.7	1790.3	2022.6	2268.0	2467.8	2481.0	2446.5	2316.7	2228.5	2027.6
62.5°	1556.0	1568.1	1679.7	1961.7	2324.8	2529.7	2578.4	2555.1	2393.8	2299.5	2154.4
65°	1410.9	1385.6	1515.4	1809.6	2197.0	2511.5	2617.0	2608.8	2485.1	2376.6	2271.1
67.5°	1132.0	1143.1	1242.5	1557.0	1978.9	2444.5	2707.2	2719.4	2558.1	2444.5	2306.6
70°	717.1	737.4	840.9	1124.9	1615.8	2233.5	2788.4	2823.9	2615.9	2438.4	2203.1
72.5°	209.0	217.1	358.1	560.9	1029.5	1791.3	2658.5	2676.8	2503.3	2213.3	1704.1
75°	69.0	73.0	105.5	182.6	403.7	926.1	1963.7	2049.9	1992.1	1604.7	974.8
77.5°	45.6	47.7	57.8	87.2	153.2	290.1	1052.9	1145.2	1122.9	751.6	314.4
80°	33.5	34.5	42.6	58.8	93.3	104.5	388.5	449.3	434.1	172.4	62.9
82.5°	21.3	21.3	31.4	41.6	58.8	51.7	112.6	124.8	121.7	65.9	24.3
85°	14.2	15.2	23.3	32.5	32.5	24.3	32.5	37.5	40.6	35.5	11.2
87.5°	4.1	5.1	13.2	22.3	13.2	12.2	11.2	12.2	14.2	19.3	6.1
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°	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9
2.5°	489.9	494.0	493.0	495.0	491.9	488.9	491.9	491.9	491.9	488.9	486.9
5°	494.0	491.9	494.0	489.9	494.0	489.9	487.9	481.8	480.8	480.8	484.8
7.5°	500.1	502.1	493.0	493.0	483.8	485.9	480.8	481.8	479.8	476.7	474.7
10°	509.2	517.3	508.2	505.1	495.0	486.9	474.7	468.6	468.6	464.6	468.6
12.5°	534.5	531.5	526.4	516.3	504.1	487.9	458.5	429.1	404.7	386.5	395.6
15°	554.8	553.8	546.7	527.4	511.2	461.5	387.5	311.4	270.8	252.6	249.5
17.5°	586.3	583.2	571.1	545.7	491.9	382.4	265.8	201.9	162.3	153.2	150.1
20°	615.7	614.7	588.3	555.8	443.3	278.9	173.4	132.9	121.7	122.7	120.7
22.5°	647.1	642.1	610.6	543.7	353.0	185.6	123.7	118.7	114.6	113.6	115.6
25°	682.6	664.4	632.9	516.3	259.7	127.8	116.6	112.6	108.5	107.5	107.5
27.5°	696.8	684.7	643.1	450.4	164.3	111.6	109.5	104.5	99.4	96.4	95.3
30°	729.3	709.0	653.2	354.0	116.6	102.4	99.4	93.3	86.2	81.1	81.1
32.5°	761.8	737.4	654.2	247.5	97.4	92.3	87.2	79.1	70.0	64.9	65.9
35°	802.3	768.9	643.1	160.3	87.2	81.1	71.0	61.9	53.8	49.7	49.7
37.5°	871.3	839.9	597.4	105.5	79.1	69.0	58.8	48.7	41.6	38.5	38.5
40°	958.5	918.0	534.5	83.2	70.0	58.8	46.7	37.5	33.5	30.4	30.4
42.5°	1063.0	1012.3	441.2	74.0	61.9	48.7	36.5	29.4	25.4	25.4	24.3
45°	1167.5	1084.3	345.9	68.0	54.8	40.6	28.4	23.3	21.3	20.3	20.3
47.5°	1316.6	1171.5	247.5	61.9	47.7	31.4	23.3	19.3	17.2	16.2	17.2
50°	1459.6	1253.7	175.5	55.8	39.6	25.4	19.3	17.2	15.2	14.2	14.2
52.5°	1585.4	1310.5	122.7	48.7	33.5	21.3	17.2	15.2	14.2	13.2	13.2
55°	1654.4	1291.2	84.2	41.6	27.4	18.3	15.2	13.2	12.2	11.2	11.2
57.5°	1725.4	1237.5	63.9	34.5	22.3	17.2	14.2	12.2	11.2	10.1	10.1
60°	1785.2	1197.9	49.7	27.4	18.3	14.2	12.2	10.1	9.1	8.1	7.1
62.5°	1788.2	1118.8	36.5	20.3	14.2	12.2	10.1	8.1	5.1	4.1	3.0
65°	1800.4	1035.6	26.4	15.2	10.1	9.1	7.1	4.1	2.0	0.0	0.0
67.5°	1757.8	937.2	21.3	11.2	7.1	5.1	3.0	1.0	0.0	0.0	0.0
70°	1584.4	791.2	16.2	8.1	5.1	3.0	1.0	0.0	0.0	0.0	0.0
72.5°	1134.0	514.3	11.2	6.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0
75°	604.5	219.1	8.1	4.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	189.7	55.8	5.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	41.6	15.2	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.2	6.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	1.0	1.0	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)