

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: P673301

Luminaire Tested: **CCP-SA-2A-827-U-T3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673301  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2A-827-U-T3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3 distribution lens and House Side Shield  
Light Source: (32) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

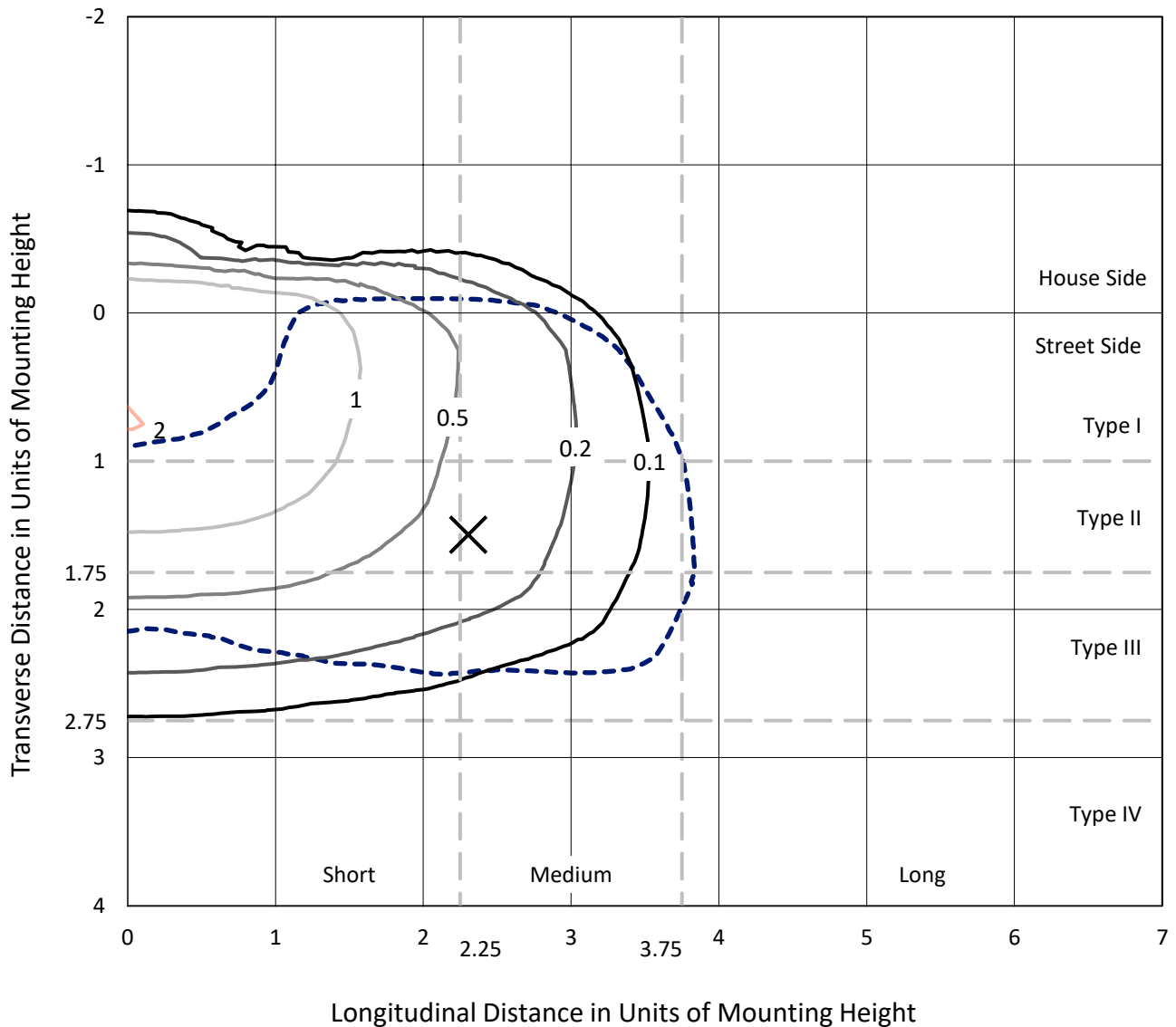
Lumens per Lamp: N/A  
Luminaire Lumens: 2897.6 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

Input Watts (W): 36.2  
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

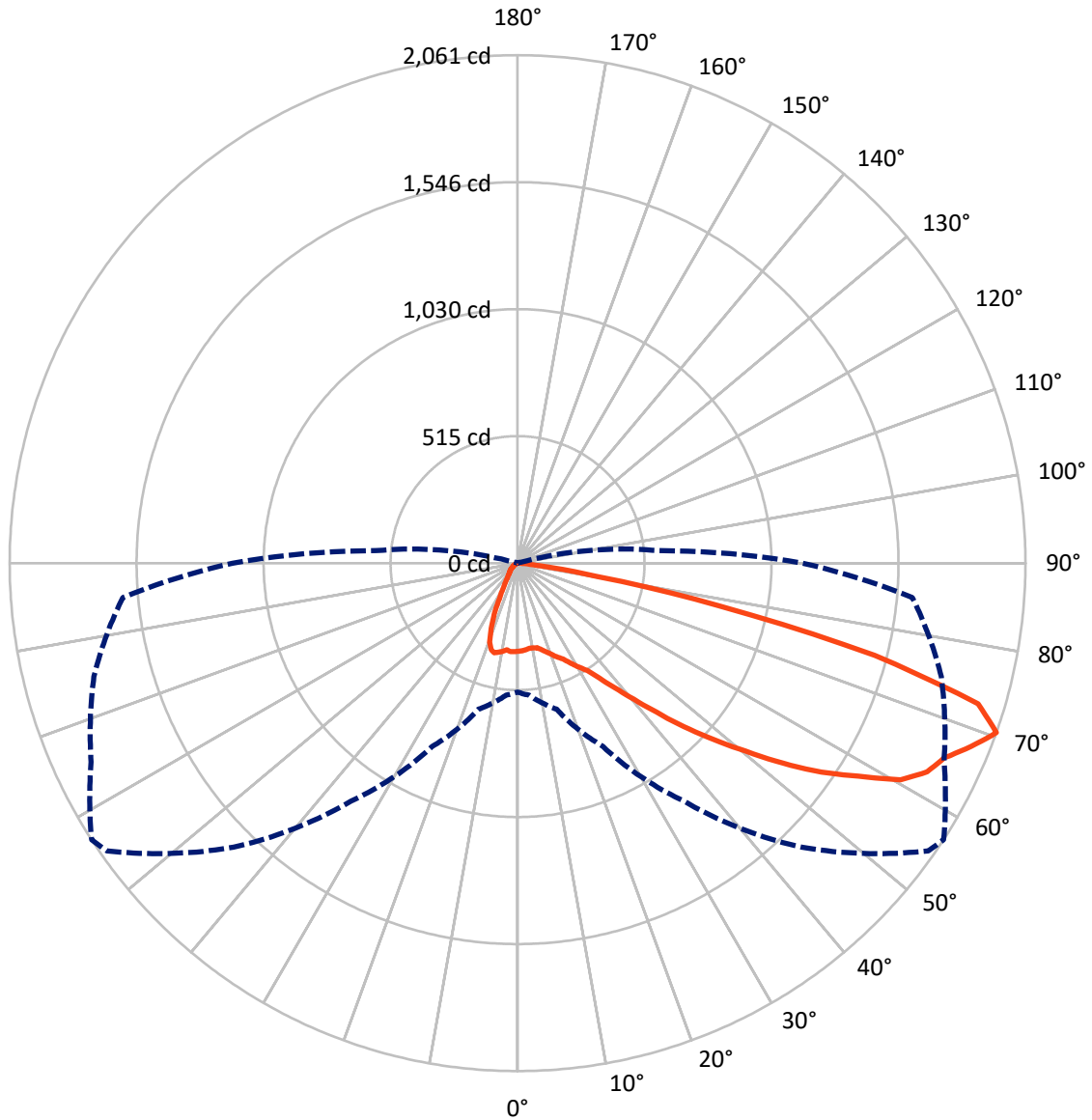
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 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	341.5	0.0	341.5
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	2556.1	0.0	2556.1
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	2897.6	0.0	2897.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.4	1.2
10°-20°	93.4	3.2
20°-30°	157.3	5.4
30°-40°	269.3	9.3
40°-50°	452.2	15.6
50°-60°	694.1	24.0
60°-70°	801.4	27.7
70°-80°	378.5	13.1
80°-90°	18.0	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°	2897.6	100.0
0°-180°	2897.6	100.0



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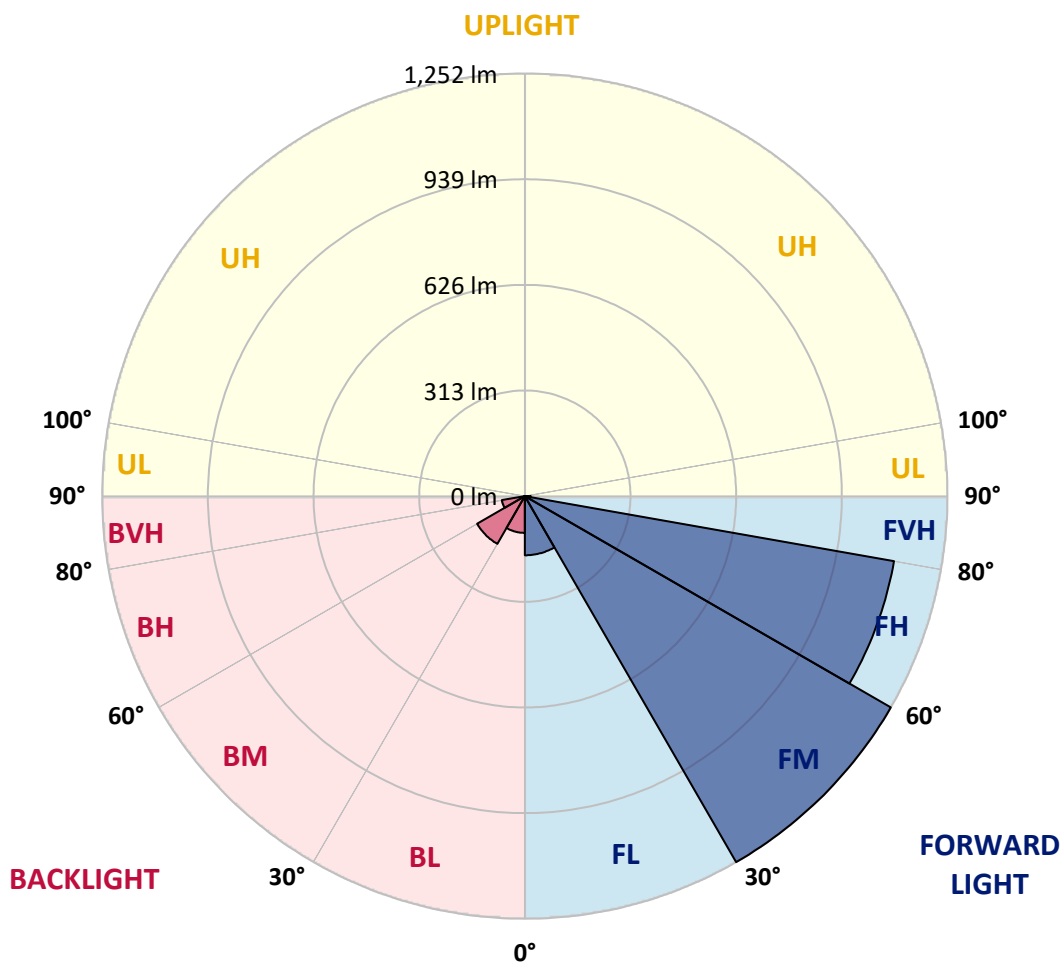
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.3	6.0			
FM (30°-60°)	1252.3	43.2			
FH (60°-80°)	1110.8	38.3			G1/1800
FVH (80°-90°)	17.6	0.6			G1/100
BL (0°-30°)	108.9	3.8	B0/110		
BM (30°-60°)	163.3	5.6	B0/220		
BH (60°-80°)	69.1	2.4	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5
2.5°	352.3	350.1	352.3	355.3	352.3	354.6	353.8	356.0	353.1	353.1	355.3
5°	329.4	333.1	334.6	338.3	342.0	348.6	353.1	353.1	357.5	359.8	362.7
7.5°	321.3	315.3	321.3	324.2	327.9	339.0	345.7	348.6	354.6	362.7	367.2
10°	309.4	313.9	313.9	323.5	328.7	335.3	347.2	349.4	362.7	370.9	375.3
12.5°	308.7	308.7	312.4	319.0	329.4	342.0	356.8	352.3	366.4	381.2	388.6
15°	310.9	316.1	316.1	325.0	333.1	350.9	363.5	364.2	384.2	399.0	405.6
17.5°	320.5	318.3	321.3	326.4	339.0	356.0	376.8	379.0	401.9	421.9	431.6
20°	340.5	344.2	339.8	336.8	342.0	364.2	390.8	395.3	421.2	440.4	450.1
22.5°	415.3	412.3	394.5	373.8	364.9	375.3	404.2	414.5	444.9	467.8	476.0
25°	499.7	494.5	473.7	442.7	401.9	397.5	430.8	430.8	474.5	499.7	497.4
27.5°	579.6	578.1	553.7	521.1	463.4	431.6	452.3	460.4	507.8	528.5	518.9
30°	661.0	662.5	640.3	601.1	540.4	486.3	482.6	489.3	533.0	565.5	545.5
32.5°	755.8	742.4	726.9	672.9	617.4	556.7	521.9	518.9	561.1	590.7	564.1
35°	840.2	832.0	815.0	766.1	702.5	629.9	581.1	573.7	596.6	635.9	607.0
37.5°	914.2	906.0	883.8	851.3	801.7	721.0	652.1	641.0	650.7	692.1	657.3
40°	977.8	980.1	974.1	942.3	896.4	823.1	743.9	726.2	718.0	755.0	715.8
42.5°	1023.7	1045.2	1046.7	1007.5	970.4	930.5	841.6	827.6	808.3	839.4	812.0
45°	1120.0	1108.1	1115.5	1101.5	1060.7	1054.8	954.2	946.0	919.4	929.7	900.9
47.5°	1195.5	1193.2	1207.3	1184.4	1173.3	1174.0	1082.2	1068.1	1030.4	1049.6	1017.1
50°	1239.1	1227.3	1278.4	1296.1	1293.9	1302.8	1211.8	1199.9	1163.6	1191.8	1122.2
52.5°	1249.5	1271.0	1319.1	1383.5	1410.9	1429.4	1353.1	1348.7	1309.5	1327.2	1231.0
55°	1275.4	1296.1	1324.3	1430.1	1531.5	1536.0	1492.3	1496.7	1462.0	1457.5	1334.6
57.5°	1274.7	1270.2	1348.0	1470.8	1611.5	1675.1	1651.4	1630.0	1592.2	1548.6	1401.3
60°	1228.0	1225.8	1306.5	1476.0	1655.2	1801.0	1810.6	1785.4	1690.7	1626.3	1479.7
62.5°	1135.5	1144.4	1225.8	1431.6	1696.6	1846.1	1881.7	1864.6	1746.9	1678.1	1572.2
65°	1029.7	1011.2	1105.9	1320.6	1603.3	1832.8	1909.8	1903.9	1813.6	1734.4	1657.4
67.5°	826.1	834.2	906.8	1136.3	1444.2	1784.0	1975.7	1984.6	1866.9	1784.0	1683.3
70°	523.3	538.1	613.6	820.9	1179.2	1630.0	2034.9	2060.8	1909.0	1779.5	1607.8
72.5°	152.5	158.4	261.3	409.3	751.3	1307.2	1940.1	1953.5	1826.9	1615.2	1243.6
75°	50.3	53.3	77.0	133.2	294.6	675.8	1433.1	1496.0	1453.8	1171.0	711.4
77.5°	33.3	34.8	42.2	63.7	111.8	211.7	768.4	835.7	819.4	548.5	229.5
80°	24.4	25.2	31.1	42.9	68.1	76.2	283.5	327.9	316.8	125.8	45.9
82.5°	15.5	15.5	22.9	30.3	42.9	37.8	82.2	91.0	88.8	48.1	17.8
85°	10.4	11.1	17.0	23.7	23.7	17.8	23.7	27.4	29.6	25.9	8.1
87.5°	3.0	3.7	9.6	16.3	9.6	8.9	8.1	8.9	10.4	14.1	4.4
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°	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5
2.5°	357.5	360.5	359.8	361.2	359.0	356.8	359.0	359.0	359.0	356.8	355.3
5°	360.5	359.0	360.5	357.5	360.5	357.5	356.0	351.6	350.9	350.9	353.8
7.5°	364.9	366.4	359.8	359.8	353.1	354.6	350.9	351.6	350.1	347.9	346.4
10°	371.6	377.5	370.9	368.6	361.2	355.3	346.4	342.0	342.0	339.0	342.0
12.5°	390.1	387.9	384.2	376.8	367.9	356.0	334.6	313.1	295.4	282.0	288.7
15°	404.9	404.2	399.0	384.9	373.1	336.8	282.8	227.3	197.6	184.3	182.1
17.5°	427.9	425.6	416.7	398.2	359.0	279.1	193.9	147.3	118.4	111.8	109.6
20°	449.3	448.6	429.3	405.6	323.5	203.6	126.6	97.0	88.8	89.6	88.1
22.5°	472.3	468.6	445.6	396.8	257.6	135.5	90.3	86.6	83.6	82.9	84.4
25°	498.2	484.8	461.9	376.8	189.5	93.3	85.1	82.2	79.2	78.5	78.5
27.5°	508.5	499.7	469.3	328.7	119.9	81.4	79.9	76.2	72.5	70.3	69.6
30°	532.2	517.4	476.7	258.3	85.1	74.8	72.5	68.1	62.9	59.2	59.2
32.5°	555.9	538.1	477.4	180.6	71.1	67.4	63.7	57.7	51.1	47.4	48.1
35°	585.5	561.1	469.3	117.0	63.7	59.2	51.8	45.2	39.2	36.3	36.3
37.5°	635.9	612.9	436.0	77.0	57.7	50.3	42.9	35.5	30.3	28.1	28.1
40°	699.5	669.9	390.1	60.7	51.1	42.9	34.1	27.4	24.4	22.2	22.2
42.5°	775.8	738.7	322.0	54.0	45.2	35.5	26.6	21.5	18.5	18.5	17.8
45°	852.0	791.3	252.4	49.6	40.0	29.6	20.7	17.0	15.5	14.8	14.8
47.5°	960.8	855.0	180.6	45.2	34.8	22.9	17.0	14.1	12.6	11.8	12.6
50°	1065.2	914.9	128.1	40.7	28.9	18.5	14.1	12.6	11.1	10.4	10.4
52.5°	1157.0	956.4	89.6	35.5	24.4	15.5	12.6	11.1	10.4	9.6	9.6
55°	1207.3	942.3	61.4	30.3	20.0	13.3	11.1	9.6	8.9	8.1	8.1
57.5°	1259.1	903.1	46.6	25.2	16.3	12.6	10.4	8.9	8.1	7.4	7.4
60°	1302.8	874.2	36.3	20.0	13.3	10.4	8.9	7.4	6.7	5.9	5.2
62.5°	1305.0	816.5	26.6	14.8	10.4	8.9	7.4	5.9	3.7	3.0	2.2
65°	1313.9	755.8	19.2	11.1	7.4	6.7	5.2	3.0	1.5	0.0	0.0
67.5°	1282.8	684.0	15.5	8.1	5.2	3.7	2.2	0.7	0.0	0.0	0.0
70°	1156.2	577.4	11.8	5.9	3.7	2.2	0.7	0.0	0.0	0.0	0.0
72.5°	827.6	375.3	8.1	4.4	1.5	0.7	0.0	0.0	0.0	0.0	0.0
75°	441.2	159.9	5.9	3.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	138.4	40.7	3.7	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	30.3	11.1	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	10.4	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.7	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	0.7	0.7	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)