

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: P673234

Luminaire Tested: **CCP-SA-1F-727-U-T3-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673234
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-727-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, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

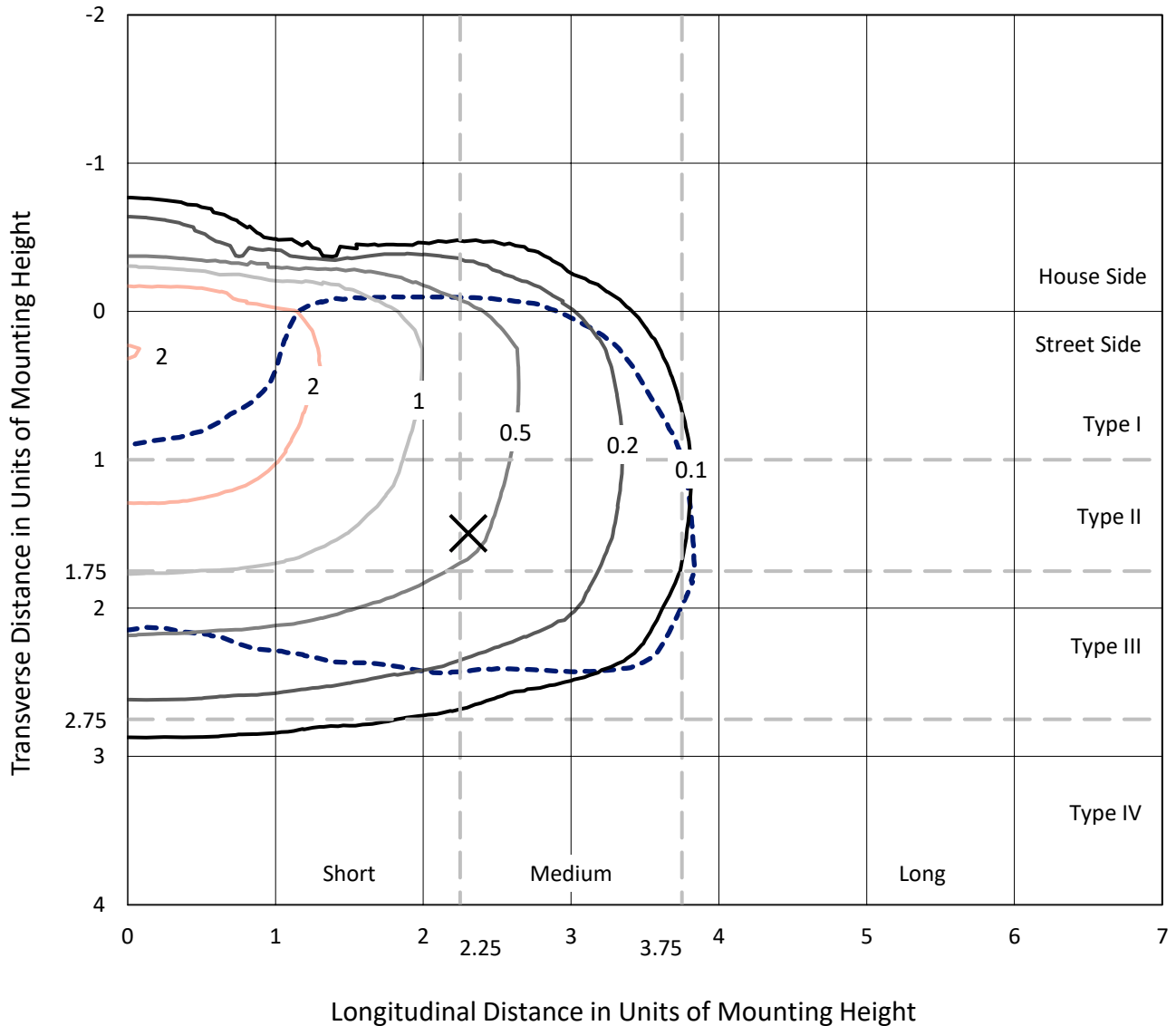
Lumens per Lamp: N/A
Luminaire Lumens: 4517.2 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 67
Input Voltage (V): 120
Input Current (A_{in}): 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

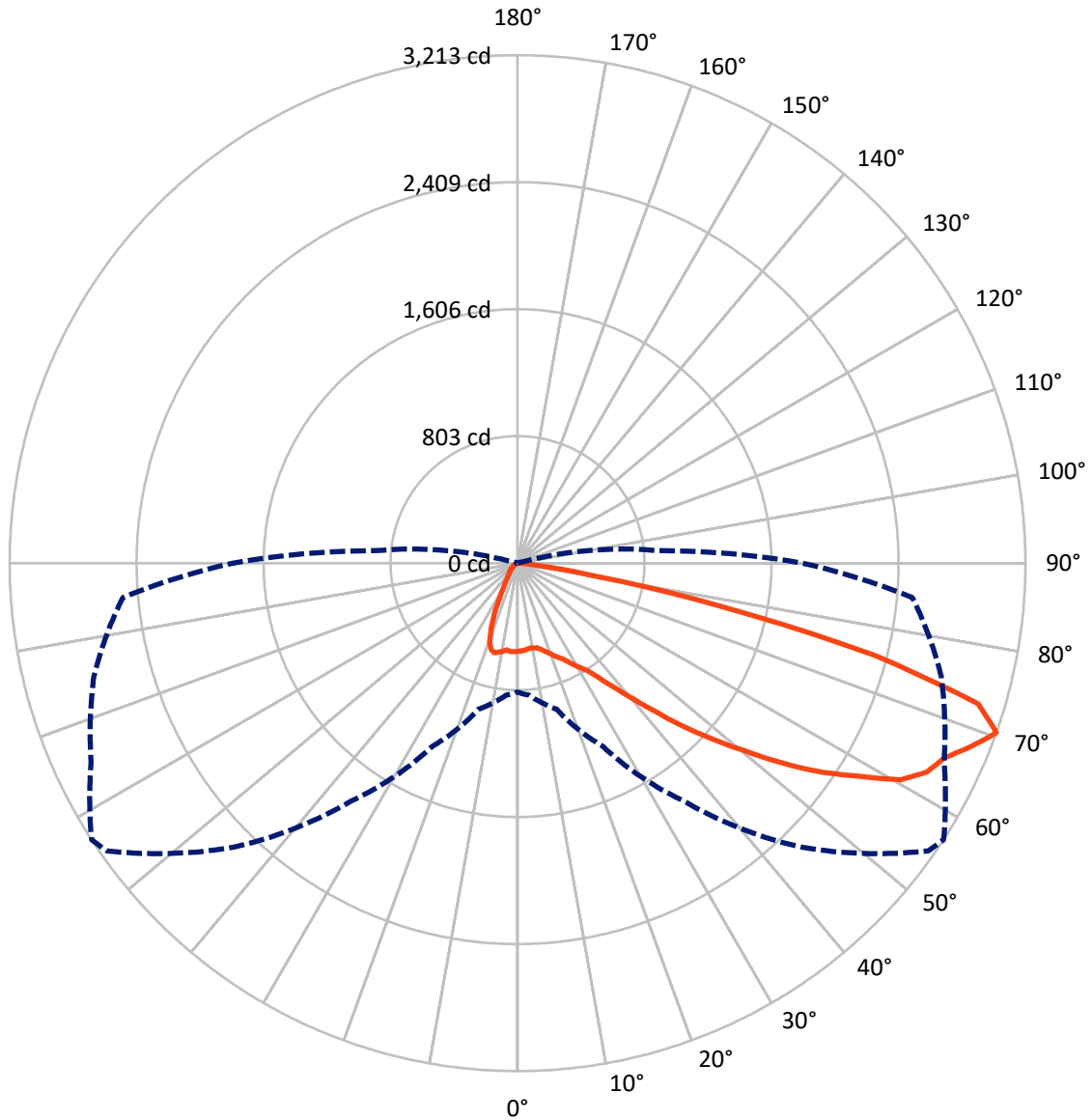
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 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
House Side	Lumens	532.5	0.0	532.5
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3984.7	0.0	3984.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	4517.2	0.0	4517.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	1.2
10°-20°	145.6	3.2
20°-30°	245.3	5.4
30°-40°	419.8	9.3
40°-50°	704.9	15.6
50°-60°	1082.0	24.0
60°-70°	1249.3	27.7
70°-80°	590.1	13.1
80°-90°	28.0	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°	4517.2	100.0
0°-180°	4517.2	100.0



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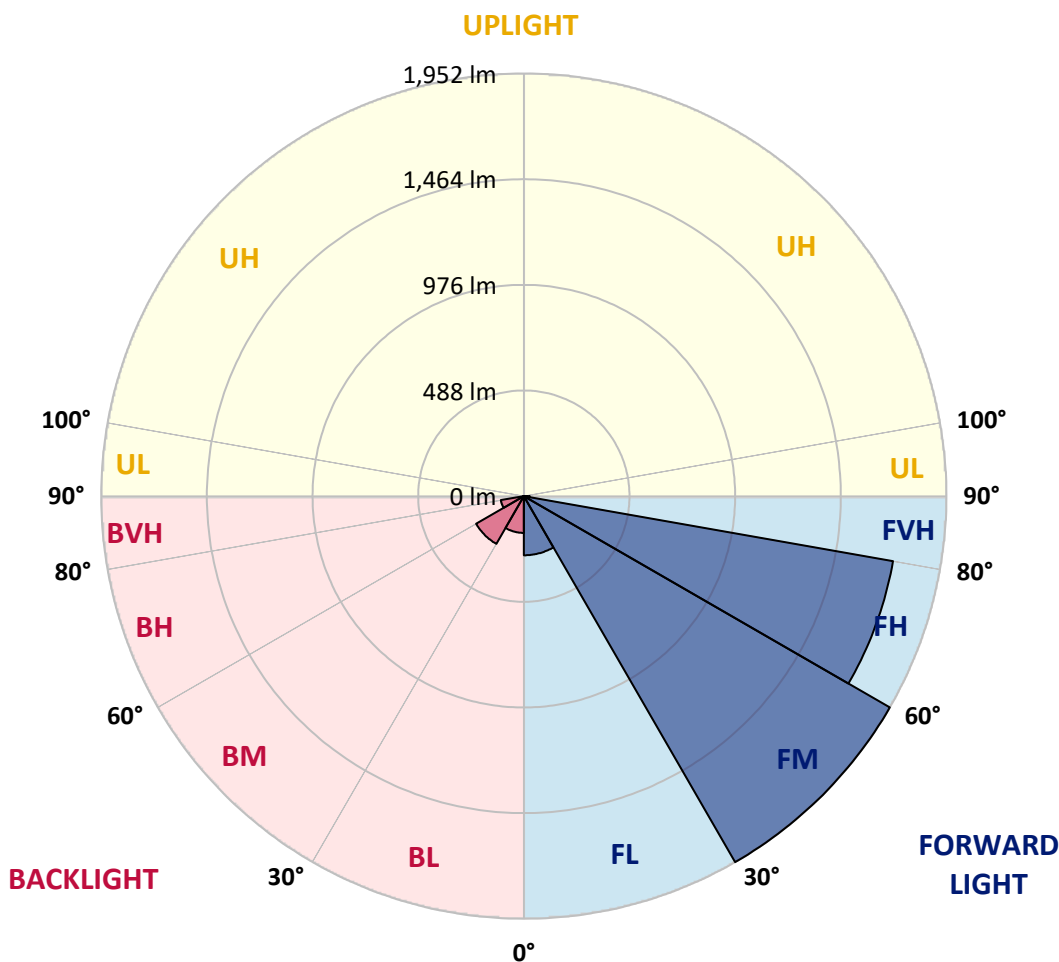
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	273.3	6.0			
FM (30°-60°)	1952.3	43.2			
FH (60°-80°)	1731.7	38.3			G1/1800
FVH (80°-90°)	27.5	0.6			G1/100
BL (0°-30°)	169.7	3.8	B1/500		
BM (30°-60°)	254.5	5.6	B1/1000		
BH (60°-80°)	107.7	2.4	B0/110		G0/110
BVH (80°-90°)	0.5	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°	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4
2.5°	549.3	545.8	549.3	553.9	549.3	552.7	551.6	555.1	550.4	550.4	553.9
5°	513.5	519.3	521.6	527.4	533.1	543.5	550.4	550.4	557.4	560.8	565.4
7.5°	500.8	491.6	500.8	505.4	511.2	528.5	538.9	543.5	552.7	565.4	572.4
10°	482.4	489.3	489.3	504.3	512.4	522.7	541.2	544.7	565.4	578.1	585.1
12.5°	481.2	481.2	487.0	497.4	513.5	533.1	556.2	549.3	571.2	594.3	605.8
15°	484.7	492.7	492.7	506.6	519.3	547.0	566.6	567.7	598.9	622.0	632.4
17.5°	499.7	496.2	500.8	508.9	528.5	555.1	587.4	590.8	626.6	657.8	672.8
20°	530.8	536.6	529.7	525.1	533.1	567.7	609.3	616.2	656.6	686.6	701.6
22.5°	647.4	642.8	615.1	582.8	568.9	585.1	630.1	646.2	693.5	729.3	742.0
25°	778.9	770.8	738.5	690.1	626.6	619.7	671.6	671.6	739.7	778.9	775.5
27.5°	903.6	901.2	863.2	812.4	722.4	672.8	705.1	717.8	791.6	823.9	808.9
30°	1030.5	1032.8	998.2	937.0	842.4	758.2	752.4	762.8	830.9	881.6	850.5
32.5°	1178.2	1157.4	1133.2	1049.0	962.4	867.8	813.5	808.9	874.7	920.9	879.3
35°	1309.7	1297.1	1270.5	1194.4	1095.1	982.0	905.9	894.3	930.1	991.3	946.2
37.5°	1425.1	1412.4	1377.8	1327.1	1249.7	1124.0	1016.6	999.3	1014.3	1079.0	1024.7
40°	1524.4	1527.8	1518.6	1469.0	1397.4	1283.2	1159.7	1132.0	1119.3	1177.0	1115.9
42.5°	1595.9	1629.4	1631.7	1570.5	1512.8	1450.5	1312.1	1290.1	1260.1	1308.6	1265.9
45°	1745.9	1727.5	1739.0	1717.1	1653.6	1644.4	1487.5	1474.8	1433.2	1449.4	1404.4
47.5°	1863.6	1860.2	1882.1	1846.3	1829.0	1830.2	1687.1	1665.2	1606.3	1636.3	1585.5
50°	1931.7	1913.3	1992.9	2020.6	2017.1	2031.0	1889.0	1870.6	1814.0	1857.9	1749.4
52.5°	1947.9	1981.4	2056.4	2156.8	2199.5	2228.3	2109.4	2102.5	2041.4	2069.1	1919.0
55°	1988.3	2020.6	2064.4	2229.5	2387.5	2394.5	2326.4	2333.3	2279.1	2272.2	2080.6
57.5°	1987.1	1980.2	2101.4	2292.9	2512.2	2611.4	2574.5	2541.0	2482.2	2414.1	2184.4
60°	1914.4	1911.0	2036.7	2301.0	2580.3	2807.6	2822.6	2783.4	2635.6	2535.3	2306.8
62.5°	1770.2	1784.0	1911.0	2231.8	2644.9	2878.0	2933.4	2906.8	2723.4	2616.0	2451.0
65°	1605.2	1576.3	1724.0	2058.7	2499.5	2857.2	2977.2	2968.0	2827.2	2703.7	2583.7
67.5°	1287.8	1300.5	1413.6	1771.3	2251.4	2781.0	3079.9	3093.8	2910.3	2781.0	2624.1
70°	815.9	838.9	956.6	1279.7	1838.3	2541.0	3172.2	3212.6	2976.1	2774.1	2506.4
72.5°	237.7	246.9	407.3	638.1	1171.3	2037.9	3024.5	3045.3	2848.0	2517.9	1938.7
75°	78.5	83.1	120.0	207.7	459.3	1053.6	2234.1	2332.2	2266.4	1825.6	1109.0
77.5°	51.9	54.2	65.8	99.2	174.2	330.0	1197.8	1302.8	1277.4	855.1	357.7
80°	38.1	39.2	48.5	66.9	106.2	118.9	442.0	511.2	493.9	196.2	71.5
82.5°	24.2	24.2	35.8	47.3	66.9	58.9	128.1	141.9	138.5	75.0	27.7
85°	16.2	17.3	26.5	36.9	36.9	27.7	36.9	42.7	46.2	40.4	12.7
87.5°	4.6	5.8	15.0	25.4	15.0	13.8	12.7	13.8	16.2	21.9	6.9
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°	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4
2.5°	557.4	562.0	560.8	563.1	559.7	556.2	559.7	559.7	559.7	556.2	553.9
5°	562.0	559.7	562.0	557.4	562.0	557.4	555.1	548.1	547.0	547.0	551.6
7.5°	568.9	571.2	560.8	560.8	550.4	552.7	547.0	548.1	545.8	542.4	540.1
10°	579.3	588.5	578.1	574.7	563.1	553.9	540.1	533.1	533.1	528.5	533.1
12.5°	608.1	604.7	598.9	587.4	573.5	555.1	521.6	488.1	460.4	439.7	450.0
15°	631.2	630.1	622.0	600.1	581.6	525.1	440.8	354.3	308.1	287.3	283.9
17.5°	667.0	663.5	649.7	620.8	559.7	435.0	302.3	229.6	184.6	174.2	170.8
20°	700.5	699.3	669.3	632.4	504.3	317.3	197.3	151.2	138.5	139.6	137.3
22.5°	736.2	730.5	694.7	618.5	401.6	211.2	140.8	135.0	130.4	129.2	131.6
25°	776.6	755.8	720.1	587.4	295.4	145.4	132.7	128.1	123.5	122.3	122.3
27.5°	792.8	778.9	731.6	512.4	186.9	126.9	124.6	118.9	113.1	109.6	108.5
30°	829.7	806.6	743.2	402.7	132.7	116.6	113.1	106.2	98.1	92.3	92.3
32.5°	866.6	838.9	744.3	281.6	110.8	105.0	99.2	90.0	79.6	73.9	75.0
35°	912.8	874.7	731.6	182.3	99.2	92.3	80.8	70.4	61.2	56.5	56.5
37.5°	991.3	955.5	679.7	120.0	90.0	78.5	66.9	55.4	47.3	43.9	43.9
40°	1090.5	1044.3	608.1	94.6	79.6	66.9	53.1	42.7	38.1	34.6	34.6
42.5°	1209.4	1151.7	502.0	84.2	70.4	55.4	41.5	33.5	28.8	28.8	27.7
45°	1328.2	1233.6	393.5	77.3	62.3	46.2	32.3	26.5	24.2	23.1	23.1
47.5°	1497.8	1332.8	281.6	70.4	54.2	35.8	26.5	21.9	19.6	18.5	19.6
50°	1660.6	1426.3	199.6	63.5	45.0	28.8	21.9	19.6	17.3	16.2	16.2
52.5°	1803.6	1490.9	139.6	55.4	38.1	24.2	19.6	17.3	16.2	15.0	15.0
55°	1882.1	1469.0	95.8	47.3	31.2	20.8	17.3	15.0	13.8	12.7	12.7
57.5°	1962.9	1407.8	72.7	39.2	25.4	19.6	16.2	13.8	12.7	11.5	11.5
60°	2031.0	1362.8	56.5	31.2	20.8	16.2	13.8	11.5	10.4	9.2	8.1
62.5°	2034.4	1272.8	41.5	23.1	16.2	13.8	11.5	9.2	5.8	4.6	3.5
65°	2048.3	1178.2	30.0	17.3	11.5	10.4	8.1	4.6	2.3	0.0	0.0
67.5°	1999.8	1066.3	24.2	12.7	8.1	5.8	3.5	1.2	0.0	0.0	0.0
70°	1802.5	900.1	18.5	9.2	5.8	3.5	1.2	0.0	0.0	0.0	0.0
72.5°	1290.1	585.1	12.7	6.9	2.3	1.2	0.0	0.0	0.0	0.0	0.0
75°	687.8	249.3	9.2	4.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	215.8	63.5	5.8	2.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	47.3	17.3	3.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	16.2	6.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.8	2.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	1.2	1.2	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)