

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: P673532

Luminaire Tested: **CCP-SA-1E-730-U-T4W-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673532
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-730-U-T4W-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T4W distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

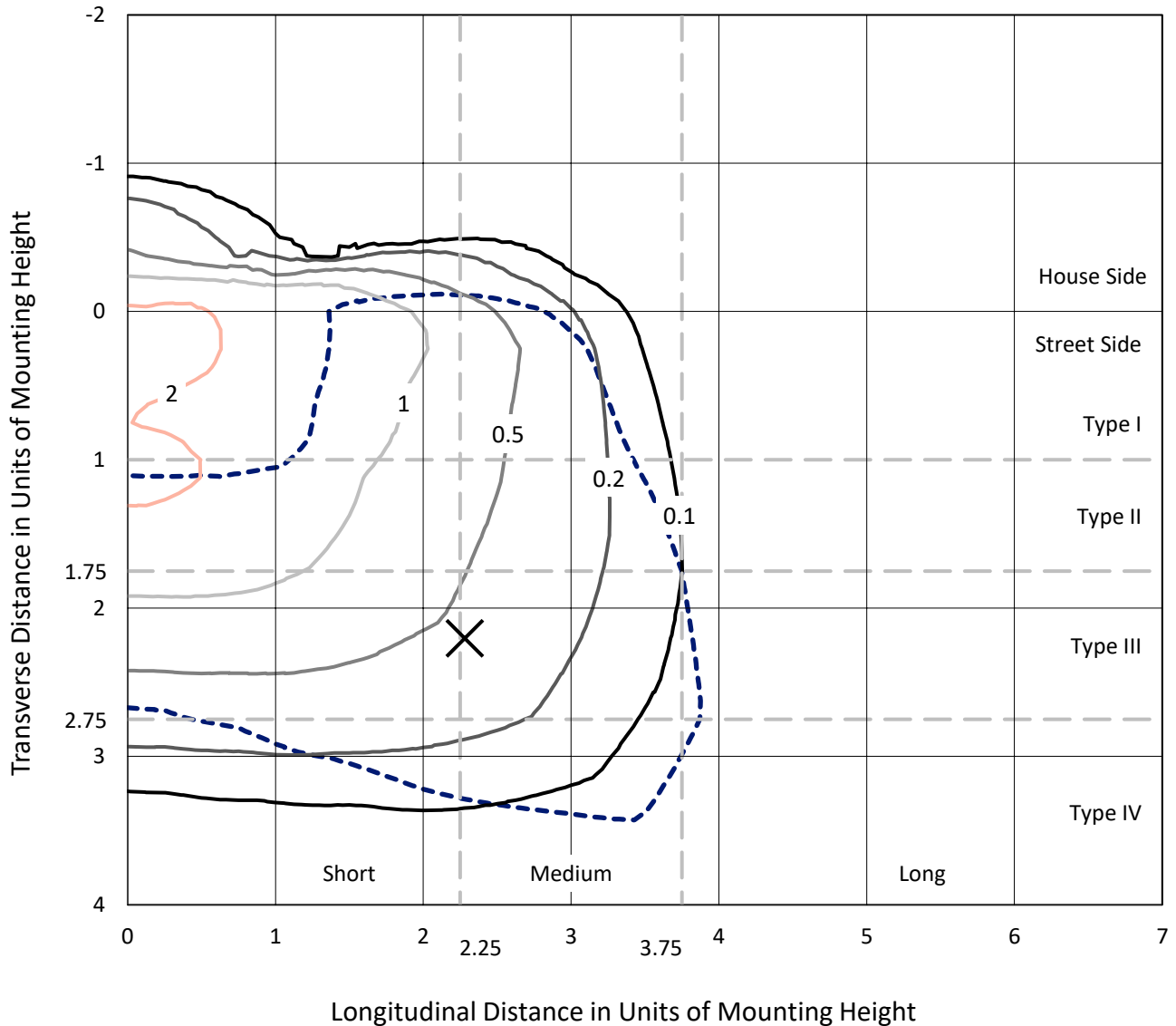
Lumens per Lamp: N/A
Luminaire Lumens: 4491.8 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

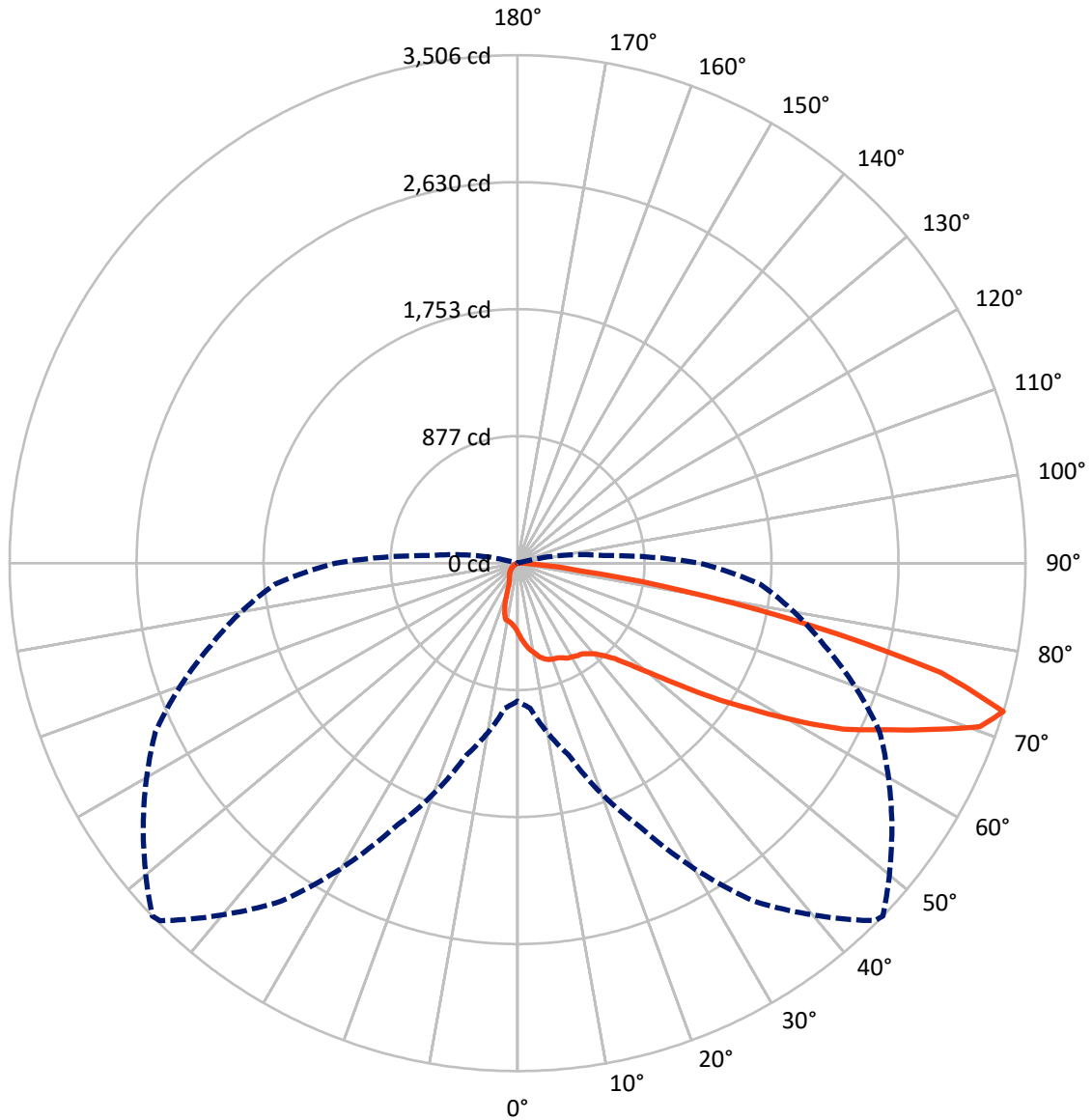
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	483.6	0.0	483.6
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	4008.2	0.0	4008.2
	% Fixture	89.2	0.0	89.2
Total	Lumens	4491.8	0.0	4491.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	1.1
10°-20°	145.1	3.2
20°-30°	227.1	5.1
30°-40°	318.0	7.1
40°-50°	524.5	11.7
50°-60°	942.6	21.0
60°-70°	1366.2	30.4
70°-80°	852.7	19.0
80°-90°	67.6	1.5
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°	4491.8	100.0
0°-180°	4491.8	100.0

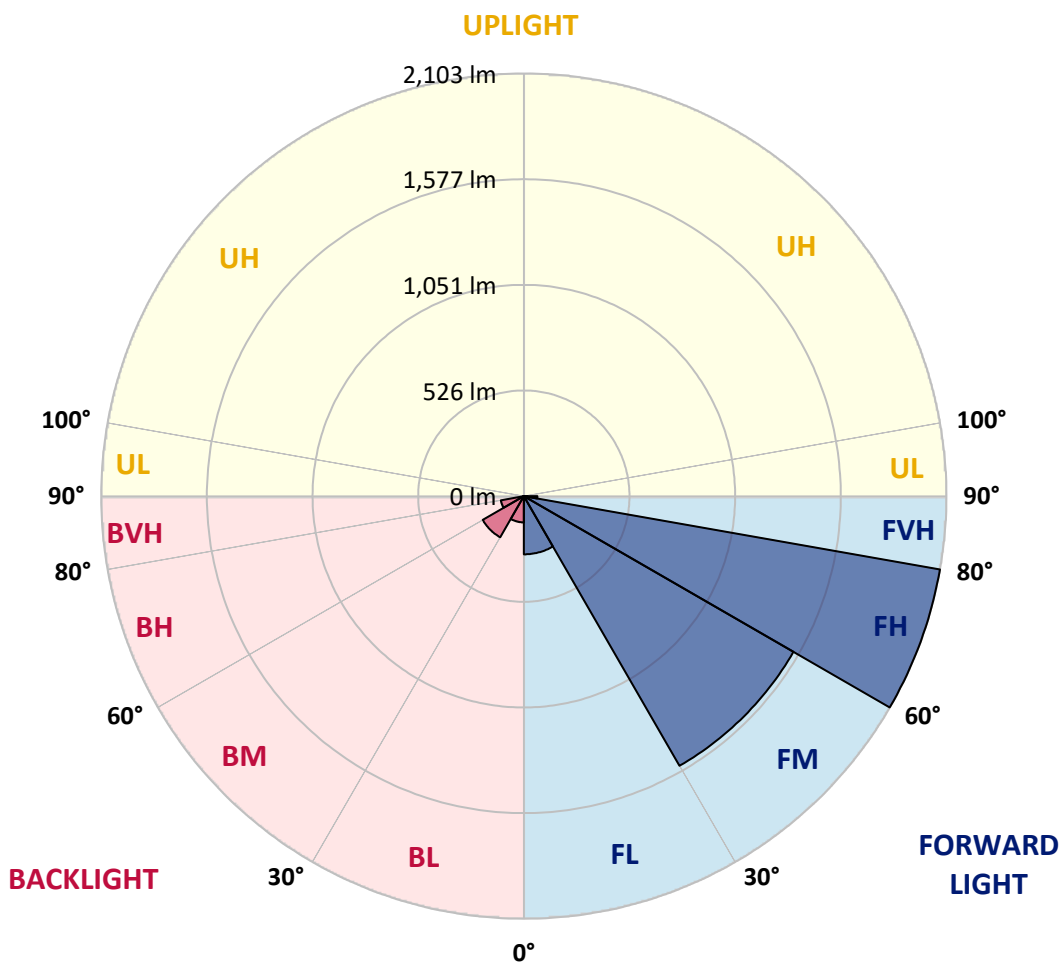


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	289.5	6.4			
FM (30°-60°)	1548.9	34.5			
FH (60°-80°)	2102.6	46.8			G2/5000
FVH (80°-90°)	67.2	1.5			G1/100
BL (0°-30°)	130.7	2.9	B1/500		
BM (30°-60°)	236.2	5.3	B1/1000		
BH (60°-80°)	116.3	2.6	B1/500		G1/500
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-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1
2.5°	537.3	535.1	538.5	537.3	523.6	525.9	524.7	515.6	499.5	490.4	484.6
5°	599.2	604.9	600.4	590.1	582.0	566.0	563.7	548.8	523.6	507.6	490.4
7.5°	663.4	663.4	654.2	638.2	621.0	603.8	601.5	576.3	554.5	527.0	503.0
10°	711.5	705.8	698.9	681.7	662.2	639.3	627.9	609.5	585.5	552.2	521.3
12.5°	753.9	744.7	733.3	708.1	685.1	659.9	662.2	632.4	616.4	586.6	540.8
15°	778.0	769.9	759.6	736.7	701.2	689.7	685.1	666.8	638.2	608.4	564.8
17.5°	783.7	778.0	764.2	734.4	714.9	701.2	700.0	678.3	665.7	640.5	592.3
20°	772.2	761.9	751.6	732.1	713.8	709.2	705.8	705.8	689.7	656.5	609.5
22.5°	752.7	741.3	735.6	724.1	709.2	708.1	710.4	708.1	695.5	673.7	627.9
25°	737.9	732.1	723.0	719.5	710.4	727.5	724.1	720.7	717.2	692.0	656.5
27.5°	742.4	741.3	734.4	720.7	713.8	732.1	742.4	743.6	742.4	717.2	682.9
30°	744.7	739.0	732.1	728.7	731.0	749.3	749.3	774.5	764.2	739.0	709.2
32.5°	771.1	767.6	744.7	736.7	737.9	759.6	760.8	786.0	782.5	765.4	732.1
35°	827.2	804.3	771.1	748.2	748.2	776.8	767.6	804.3	813.5	786.0	748.2
37.5°	910.9	893.7	834.1	782.5	763.1	783.7	792.8	813.5	841.0	816.9	780.2
40°	1077.0	1073.6	988.8	877.6	800.9	819.2	822.6	854.7	873.1	839.8	829.5
42.5°	1319.9	1302.7	1223.6	1048.3	869.6	861.6	874.2	894.8	938.4	910.9	885.7
45°	1557.1	1549.0	1470.0	1274.1	994.5	946.4	939.5	976.2	1040.3	1010.5	991.1
47.5°	1728.9	1712.9	1668.2	1503.2	1177.8	1046.1	1050.6	1087.3	1168.7	1145.7	1151.5
50°	1860.7	1852.7	1805.7	1715.2	1409.3	1203.0	1193.9	1230.5	1340.5	1355.4	1371.4
52.5°	2005.0	2019.9	1956.9	1880.2	1683.1	1413.8	1393.2	1405.8	1547.9	1582.3	1626.9
55°	2143.7	2167.7	2104.7	2094.4	1969.5	1647.6	1644.1	1614.3	1797.7	1802.2	1826.3
57.5°	2234.2	2226.2	2221.6	2277.7	2256.0	1915.7	1898.5	1868.7	2034.8	2005.0	2077.2
60°	2241.1	2264.0	2340.7	2479.4	2518.3	2230.7	2205.5	2124.2	2239.9	2168.9	2306.4
62.5°	2292.6	2310.9	2453.0	2644.4	2694.8	2508.0	2525.2	2319.0	2415.2	2359.1	2560.7
65°	2162.0	2219.3	2504.6	2772.7	2926.2	2788.7	2771.5	2569.9	2595.1	2542.4	2811.6
67.5°	2044.0	2065.8	2363.7	2811.6	3109.5	3070.6	3063.7	2792.2	2780.7	2683.3	2882.7
70°	1661.3	1687.7	1982.1	2612.3	3171.4	3399.4	3383.4	3103.8	2906.7	2606.5	2518.3
72.5°	952.1	1004.8	1373.7	2011.9	2849.4	3491.1	3506.0	3154.2	2757.8	2191.8	1681.9
75°	311.6	326.5	570.6	1140.0	2131.1	3045.4	3019.0	2710.8	2225.0	1447.1	759.6
77.5°	105.4	107.7	168.4	412.5	1181.3	2057.7	2072.6	1937.4	1366.9	601.5	209.7
80°	53.8	57.3	82.5	154.7	485.8	1120.5	1144.6	1104.5	572.9	177.6	50.4
82.5°	25.2	26.4	48.1	85.9	222.3	440.0	440.0	483.5	202.8	99.7	20.6
85°	9.2	9.2	25.2	49.3	94.0	146.7	147.8	148.9	106.6	74.5	9.2
87.5°	3.4	3.4	12.6	20.6	34.4	44.7	44.7	35.5	53.8	49.3	3.4
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°	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1
2.5°	482.4	475.5	469.8	461.7	451.4	445.7	446.8	440.0	440.0	436.5	435.4
5°	482.4	475.5	460.6	446.8	437.7	426.2	420.5	415.9	415.9	413.6	414.8
7.5°	485.8	475.5	454.9	436.5	421.6	410.2	401.0	399.9	397.6	391.8	396.4
10°	506.4	491.5	457.1	431.9	414.8	402.2	386.1	381.5	374.7	364.3	365.5
12.5°	523.6	504.1	473.2	438.8	417.0	396.4	359.8	319.7	302.5	284.1	285.3
15°	548.8	521.3	478.9	448.0	417.0	350.6	284.1	232.6	205.1	191.3	191.3
17.5°	562.6	539.6	495.0	453.7	383.8	285.3	201.6	157.0	152.4	154.7	154.7
20°	591.2	560.3	513.3	458.3	328.8	202.8	147.8	143.2	145.5	150.1	148.9
22.5°	609.5	578.6	527.0	437.7	254.4	145.5	138.6	136.3	138.6	144.4	144.4
25°	624.4	604.9	548.8	387.3	179.9	131.8	129.5	131.8	134.1	136.3	139.8
27.5°	661.1	627.9	563.7	322.0	129.5	122.6	124.9	126.0	126.0	129.5	130.6
30°	685.1	658.8	575.2	248.6	114.6	113.4	115.7	116.9	118.0	121.4	122.6
32.5°	708.1	698.9	560.3	168.4	107.7	105.4	104.3	105.4	110.0	113.4	112.3
35°	741.3	735.6	538.5	116.9	100.8	96.2	94.0	95.1	98.5	102.0	100.8
37.5°	781.4	787.1	485.8	102.0	94.0	88.2	83.6	83.6	84.8	88.2	89.4
40°	828.4	843.3	423.9	95.1	89.4	82.5	77.9	72.2	71.0	69.9	71.0
42.5°	914.3	931.5	354.0	90.5	82.5	74.5	67.6	60.7	55.0	51.6	51.6
45°	1034.6	1020.9	262.4	85.9	79.1	67.6	57.3	49.3	41.2	37.8	37.8
47.5°	1200.7	1153.8	179.9	81.3	73.3	59.6	48.1	37.8	30.9	27.5	27.5
50°	1431.0	1276.3	116.9	76.8	69.9	51.6	39.0	27.5	22.9	21.8	22.9
52.5°	1648.7	1401.2	92.8	71.0	63.0	44.7	29.8	22.9	20.6	19.5	19.5
55°	1849.2	1464.2	82.5	65.3	57.3	36.7	25.2	19.5	18.3	17.2	17.2
57.5°	2018.8	1486.0	71.0	57.3	45.8	28.6	20.6	17.2	14.9	13.7	13.7
60°	2165.4	1491.7	55.0	45.8	33.2	21.8	17.2	14.9	12.6	10.3	10.3
62.5°	2282.3	1451.6	39.0	32.1	22.9	17.2	14.9	10.3	6.9	4.6	3.4
65°	2375.1	1371.4	26.4	21.8	14.9	12.6	9.2	4.6	1.1	0.0	0.0
67.5°	2266.3	1189.3	20.6	16.0	10.3	8.0	4.6	1.1	0.0	0.0	0.0
70°	1848.1	922.3	14.9	10.3	6.9	2.3	1.1	0.0	0.0	0.0	0.0
72.5°	1258.0	594.6	11.5	6.9	3.4	1.1	0.0	0.0	0.0	0.0	0.0
75°	564.8	213.1	8.0	4.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	137.5	50.4	5.7	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	36.7	12.6	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	13.7	4.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.7	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	1.1	0.0	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)