

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: P676723

Luminaire Tested: **CCW-SA-2A-750-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676723
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-750-U-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
T4W distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

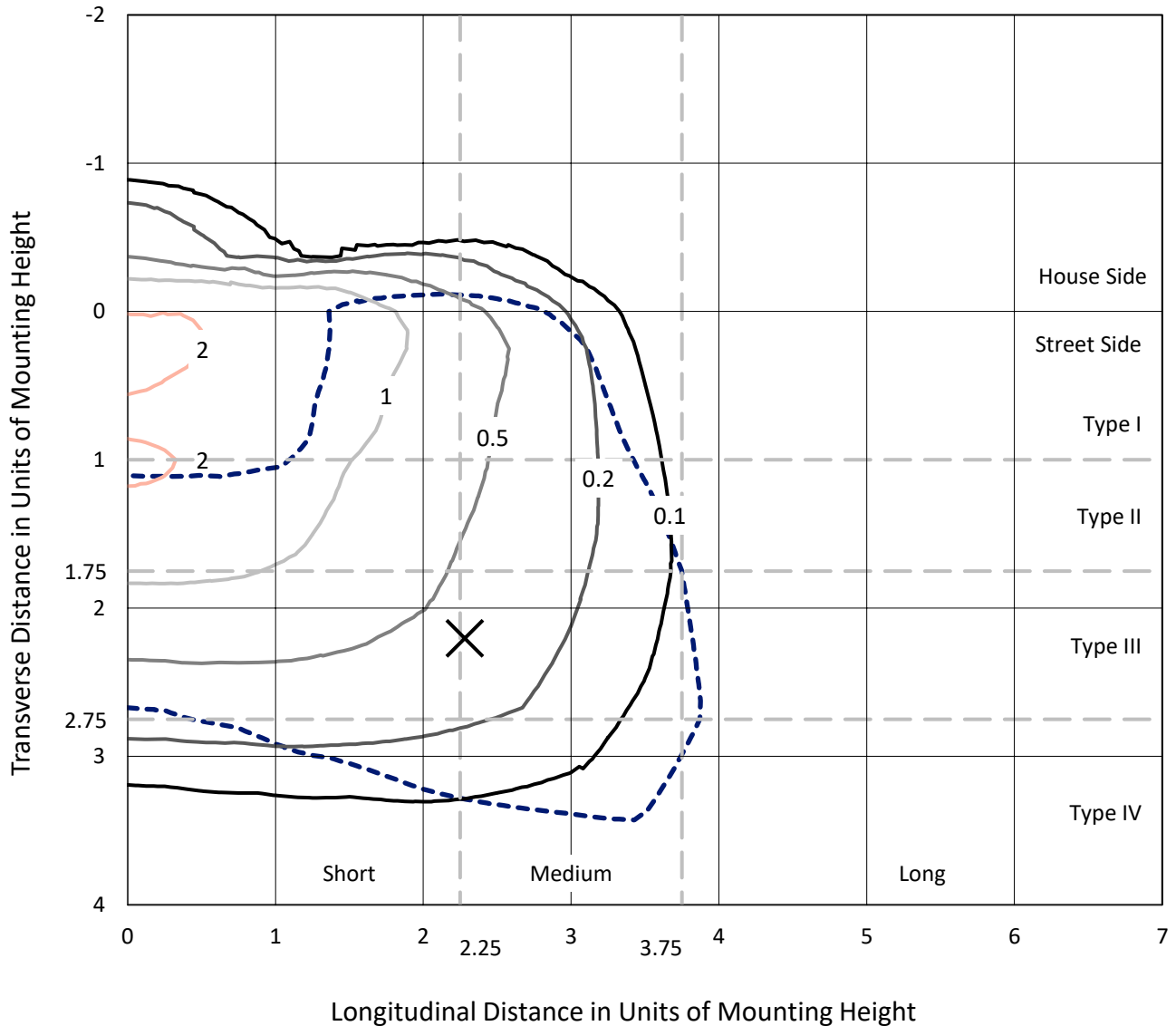
Lumens per Lamp: N/A
Luminaire Lumens: 4038.1 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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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 CATALOG NUMBER: CCW-SA-2A-750-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

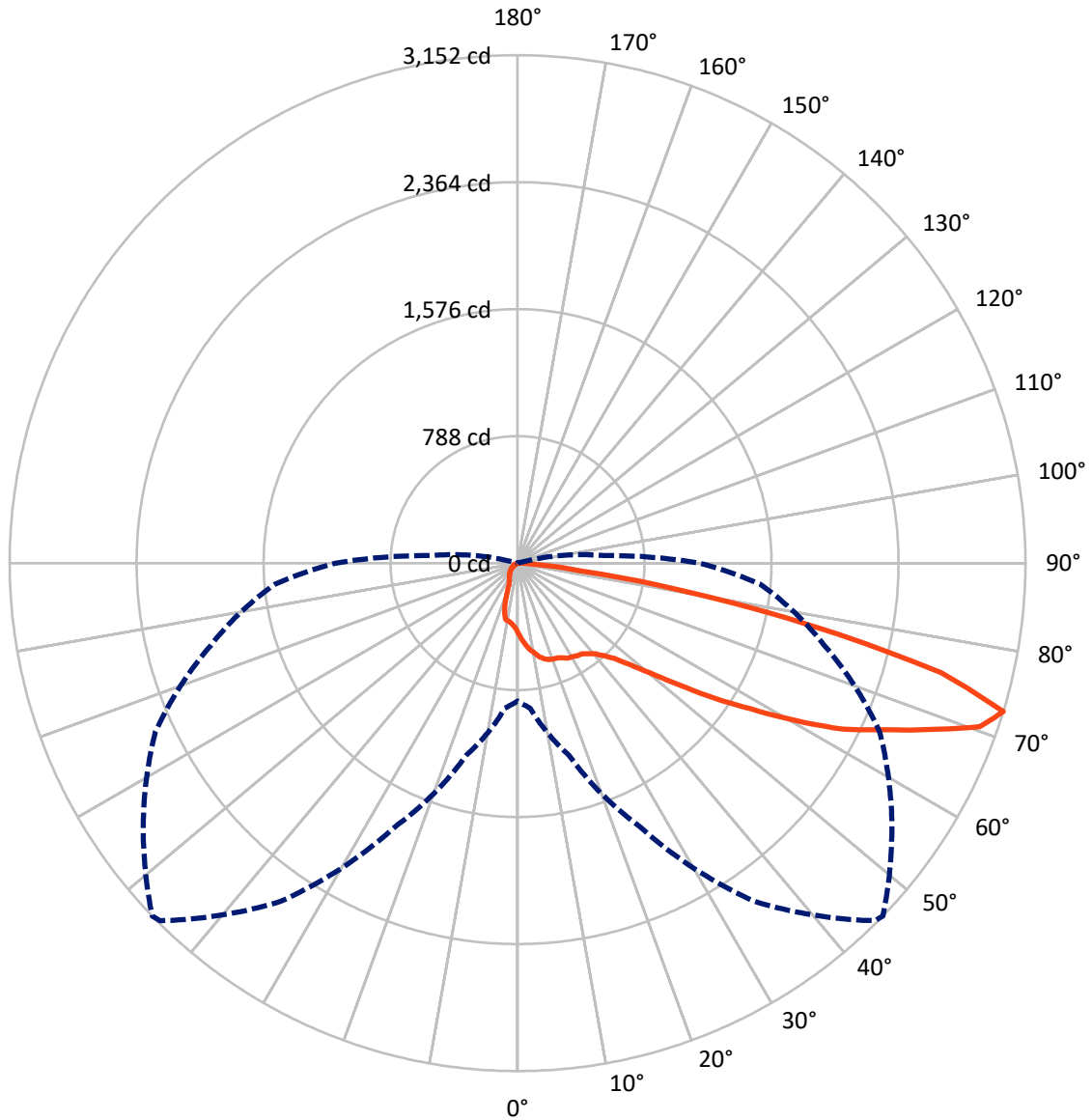
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Medium - N/A

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CATALOG NUMBER: CCW-SA-2A-750-U-T4W-HSS

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	434.8	0.0	434.8
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	3603.3	0.0	3603.3
	% Fixture	89.2	0.0	89.2
Total	Lumens	4038.1	0.0	4038.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	1.1
10°-20°	130.4	3.2
20°-30°	204.2	5.1
30°-40°	285.9	7.1
40°-50°	471.5	11.7
50°-60°	847.4	21.0
60°-70°	1228.2	30.4
70°-80°	766.5	19.0
80°-90°	60.8	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°	4038.1	100.0
0°-180°	4038.1	100.0

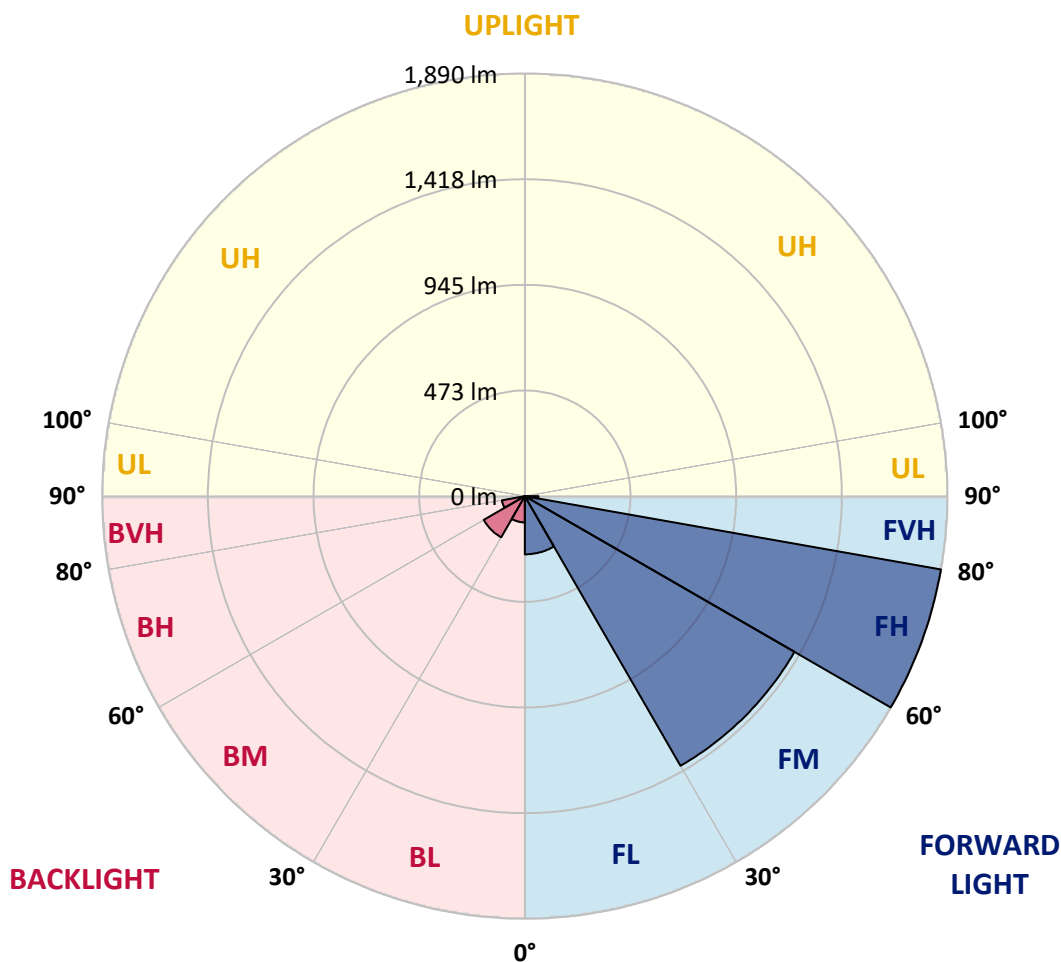


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	260.3	6.4			
FM (30°-60°)	1392.4	34.5			
FH (60°-80°)	1890.2	46.8			G2/5000
FVH (80°-90°)	60.4	1.5			G1/100
BL (0°-30°)	117.5	2.9	B1/500		
BM (30°-60°)	212.4	5.3	B0/220		
BH (60°-80°)	104.5	2.6	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: 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°	431.6	431.6	431.6	431.6	431.6	431.6	431.6	431.6	431.6	431.6	431.6
2.5°	483.1	481.0	484.1	483.1	470.7	472.8	471.7	463.5	449.1	440.8	435.7
5°	538.7	543.8	539.7	530.5	523.2	508.8	506.8	493.4	470.7	456.3	440.8
7.5°	596.4	596.4	588.1	573.7	558.3	542.8	540.8	518.1	498.5	473.8	452.2
10°	639.6	634.5	628.3	612.9	595.3	574.7	564.4	548.0	526.3	496.5	468.7
12.5°	677.7	669.5	659.2	636.5	615.9	593.3	595.3	568.6	554.1	527.4	486.2
15°	699.4	692.2	682.9	662.3	630.4	620.1	615.9	599.5	573.7	546.9	507.8
17.5°	704.5	699.4	687.0	660.2	642.7	630.4	629.3	609.8	598.4	575.8	532.5
20°	694.2	685.0	675.7	658.2	641.7	637.6	634.5	634.5	620.1	590.2	548.0
22.5°	676.7	666.4	661.3	651.0	637.6	636.5	638.6	636.5	625.2	605.6	564.4
25°	663.3	658.2	649.9	646.8	638.6	654.1	651.0	647.9	644.8	622.1	590.2
27.5°	667.4	666.4	660.2	647.9	641.7	658.2	667.4	668.5	667.4	644.8	613.9
30°	669.5	664.4	658.2	655.1	657.1	673.6	673.6	696.3	687.0	664.4	637.6
32.5°	693.2	690.1	669.5	662.3	663.3	682.9	683.9	706.6	703.5	688.0	658.2
35°	743.7	723.1	693.2	672.6	672.6	698.3	690.1	723.1	731.3	706.6	672.6
37.5°	818.9	803.4	749.8	703.5	686.0	704.5	712.8	731.3	756.0	734.4	701.4
40°	968.2	965.1	888.9	789.0	720.0	736.5	739.5	768.4	784.9	755.0	745.7
42.5°	1186.6	1171.1	1100.0	942.5	781.8	774.6	785.9	804.4	843.6	818.9	796.2
45°	1399.8	1392.6	1321.5	1145.4	894.0	850.8	844.6	877.6	935.2	908.5	891.0
47.5°	1554.3	1539.9	1499.7	1351.4	1058.8	940.4	944.5	977.5	1050.6	1030.0	1035.2
50°	1672.7	1665.5	1623.3	1541.9	1266.9	1081.5	1073.3	1106.2	1205.1	1218.5	1232.9
52.5°	1802.5	1815.9	1759.2	1690.2	1513.1	1271.0	1252.5	1263.8	1391.5	1422.4	1462.6
55°	1927.1	1948.8	1892.1	1882.8	1770.6	1481.1	1478.1	1451.3	1616.1	1620.2	1641.8
57.5°	2008.5	2001.3	1997.2	2047.6	2028.1	1722.2	1706.7	1679.9	1829.3	1802.5	1867.4
60°	2014.7	2035.3	2104.3	2228.9	2263.9	2005.4	1982.8	1909.6	2013.7	1949.8	2073.4
62.5°	2061.0	2077.5	2205.2	2377.3	2422.6	2254.7	2270.1	2084.7	2171.2	2120.8	2302.1
65°	1943.6	1995.1	2251.6	2492.6	2630.6	2507.0	2491.6	2310.3	2333.0	2285.6	2527.6
67.5°	1837.5	1857.1	2124.9	2527.6	2795.4	2760.4	2754.2	2510.1	2499.8	2412.3	2591.5
70°	1493.5	1517.2	1781.9	2348.4	2851.1	3056.0	3041.6	2790.3	2613.1	2343.3	2263.9
72.5°	855.9	903.3	1235.0	1808.7	2561.6	3138.4	3151.8	2835.6	2479.2	1970.4	1512.0
75°	280.2	293.6	512.9	1024.9	1915.8	2737.8	2714.1	2437.0	2000.3	1300.9	682.9
77.5°	94.8	96.8	151.4	370.8	1061.9	1849.9	1863.3	1741.7	1228.8	540.8	188.5
80°	48.4	51.5	74.2	139.1	436.7	1007.3	1029.0	992.9	515.0	159.7	45.3
82.5°	22.7	23.7	43.3	77.3	199.8	395.5	395.5	434.7	182.3	89.6	18.5
85°	8.2	8.2	22.7	44.3	84.5	131.8	132.9	133.9	95.8	67.0	8.2
87.5°	3.1	3.1	11.3	18.5	30.9	40.2	40.2	31.9	48.4	44.3	3.1
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°	431.6	431.6	431.6	431.6	431.6	431.6	431.6	431.6	431.6	431.6	431.6
2.5°	433.6	427.5	422.3	415.1	405.8	400.7	401.7	395.5	395.5	392.4	391.4
5°	433.6	427.5	414.1	401.7	393.5	383.2	378.0	373.9	373.9	371.8	372.9
7.5°	436.7	427.5	408.9	392.4	379.0	368.7	360.5	359.5	357.4	352.3	356.4
10°	455.3	441.9	411.0	388.3	372.9	361.5	347.1	343.0	336.8	327.5	328.6
12.5°	470.7	453.2	425.4	394.5	374.9	356.4	323.4	287.4	271.9	255.4	256.5
15°	493.4	468.7	430.5	402.7	374.9	315.2	255.4	209.1	184.4	172.0	172.0
17.5°	505.7	485.1	445.0	407.9	345.1	256.5	181.3	141.1	137.0	139.1	139.1
20°	531.5	503.7	461.4	412.0	295.6	182.3	132.9	128.8	130.8	134.9	133.9
22.5°	548.0	520.2	473.8	393.5	228.7	130.8	124.6	122.6	124.6	129.8	129.8
25°	561.4	543.8	493.4	348.1	161.7	118.5	116.4	118.5	120.5	122.6	125.7
27.5°	594.3	564.4	506.8	289.4	116.4	110.2	112.3	113.3	113.3	116.4	117.4
30°	615.9	592.3	517.1	223.5	103.0	102.0	104.0	105.1	106.1	109.2	110.2
32.5°	636.5	628.3	503.7	151.4	96.8	94.8	93.7	94.8	98.9	102.0	100.9
35°	666.4	661.3	484.1	105.1	90.6	86.5	84.5	85.5	88.6	91.7	90.6
37.5°	702.5	707.6	436.7	91.7	84.5	79.3	75.2	75.2	76.2	79.3	80.3
40°	744.7	758.1	381.1	85.5	80.3	74.2	70.0	64.9	63.9	62.8	63.9
42.5°	821.9	837.4	318.3	81.4	74.2	67.0	60.8	54.6	49.4	46.4	46.4
45°	930.1	917.7	235.9	77.3	71.1	60.8	51.5	44.3	37.1	34.0	34.0
47.5°	1079.4	1037.2	161.7	73.1	65.9	53.6	43.3	34.0	27.8	24.7	24.7
50°	1286.5	1147.4	105.1	69.0	62.8	46.4	35.0	24.7	20.6	19.6	20.6
52.5°	1482.2	1259.7	83.4	63.9	56.7	40.2	26.8	20.6	18.5	17.5	17.5
55°	1662.4	1316.3	74.2	58.7	51.5	33.0	22.7	17.5	16.5	15.5	15.5
57.5°	1814.9	1335.9	63.9	51.5	41.2	25.8	18.5	15.5	13.4	12.4	12.4
60°	1946.7	1341.1	49.4	41.2	29.9	19.6	15.5	13.4	11.3	9.3	9.3
62.5°	2051.8	1305.0	35.0	28.8	20.6	15.5	13.4	9.3	6.2	4.1	3.1
65°	2135.2	1232.9	23.7	19.6	13.4	11.3	8.2	4.1	1.0	0.0	0.0
67.5°	2037.3	1069.1	18.5	14.4	9.3	7.2	4.1	1.0	0.0	0.0	0.0
70°	1661.4	829.2	13.4	9.3	6.2	2.1	1.0	0.0	0.0	0.0	0.0
72.5°	1130.9	534.6	10.3	6.2	3.1	1.0	0.0	0.0	0.0	0.0	0.0
75°	507.8	191.6	7.2	4.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	123.6	45.3	5.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	33.0	11.3	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	12.4	4.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	1.0	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)