

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: P676929

Luminaire Tested: **CCW-SA-1C-850-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676929
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-850-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL2 distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

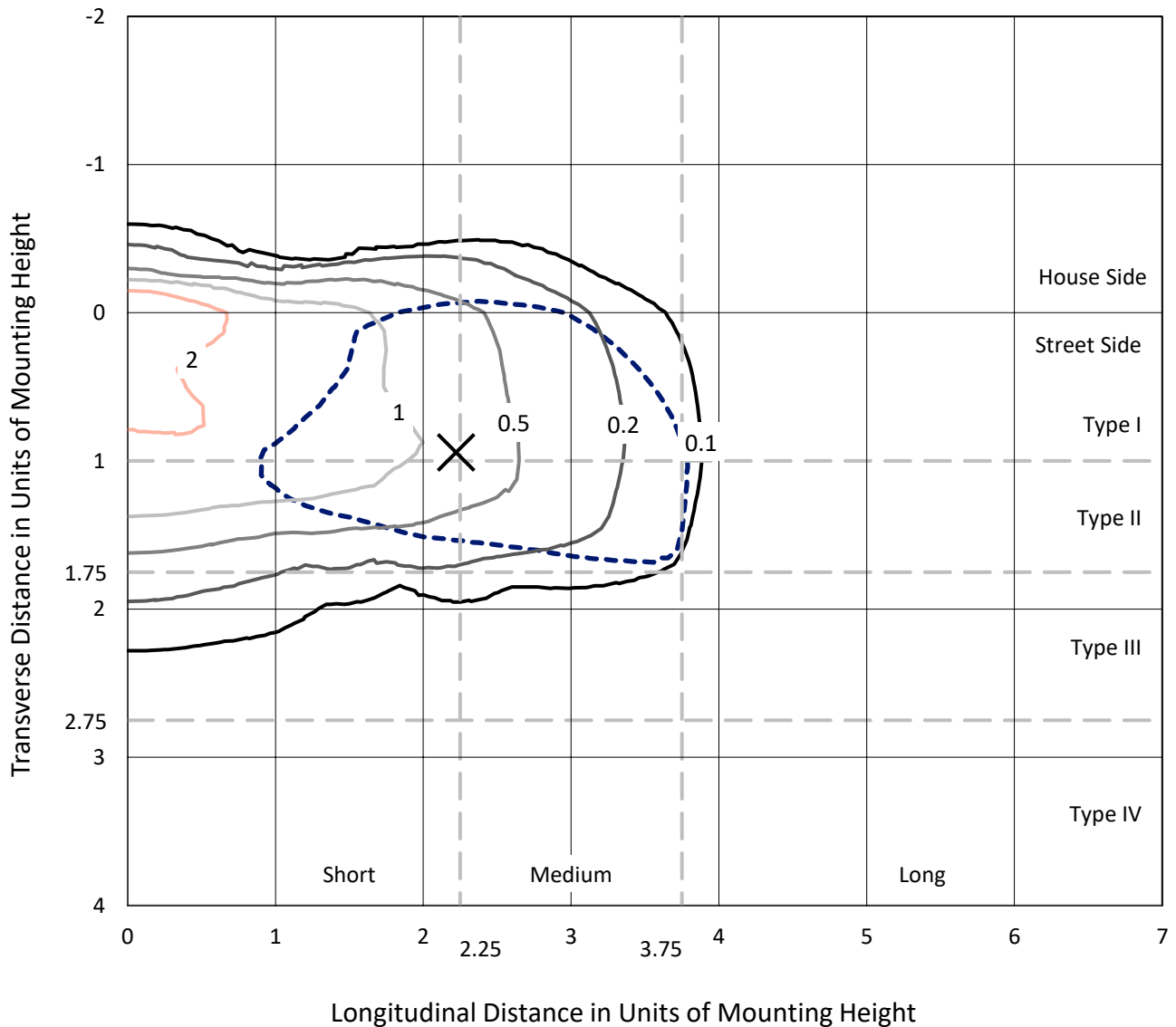
Lumens per Lamp: N/A
Luminaire Lumens: 3172.6 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
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

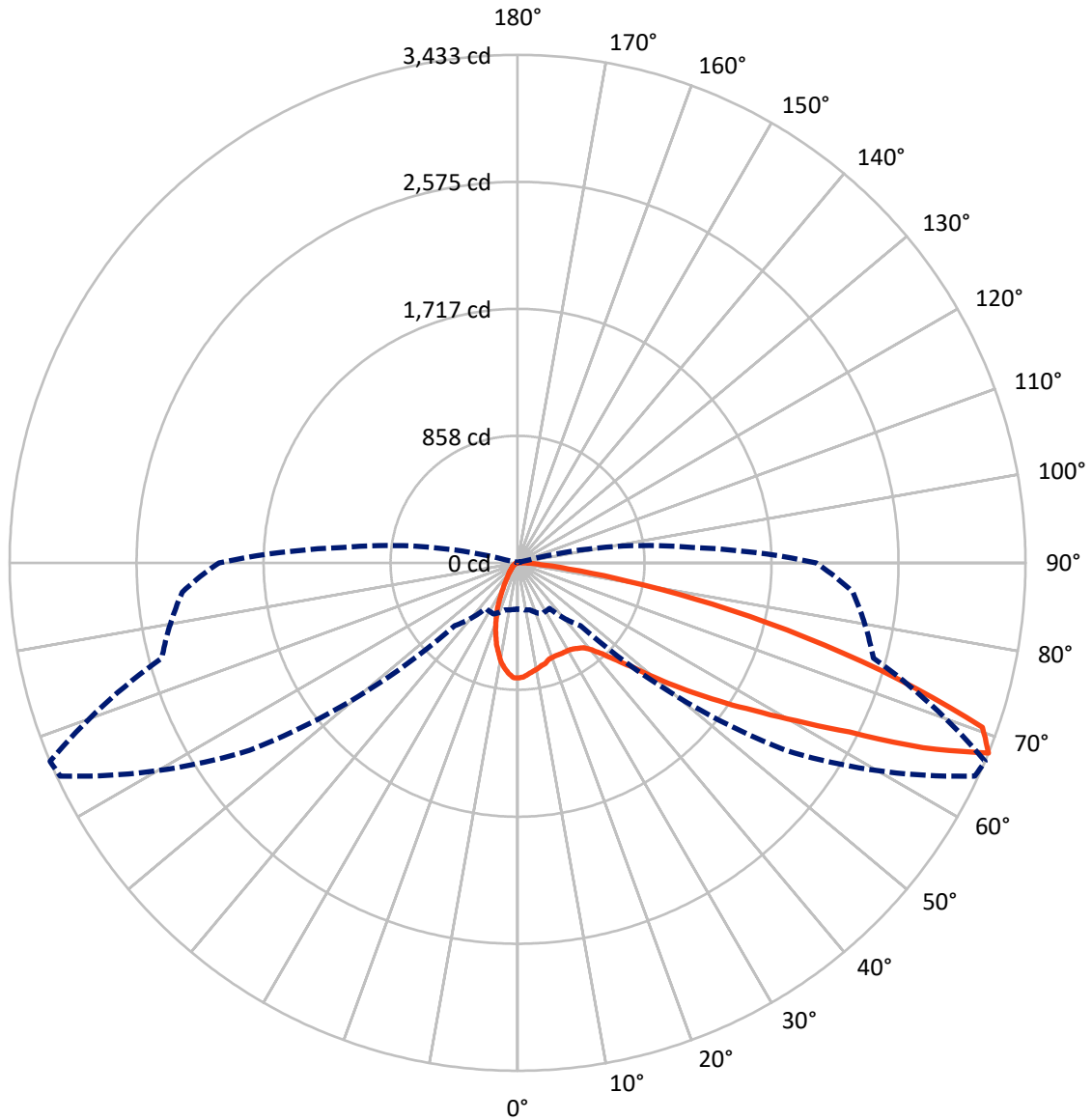
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	399.3	0.0	399.3
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	2773.3	0.0	2773.3
	% Fixture	87.4	0.0	87.4
Total	Lumens	3172.6	0.0	3172.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	2.1
10°-20°	145.7	4.6
20°-30°	207.1	6.5
30°-40°	301.6	9.5
40°-50°	466.8	14.7
50°-60°	716.3	22.6
60°-70°	776.5	24.5
70°-80°	438.1	13.8
80°-90°	55.0	1.7
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°	3172.6	100.0
0°-180°	3172.6	100.0

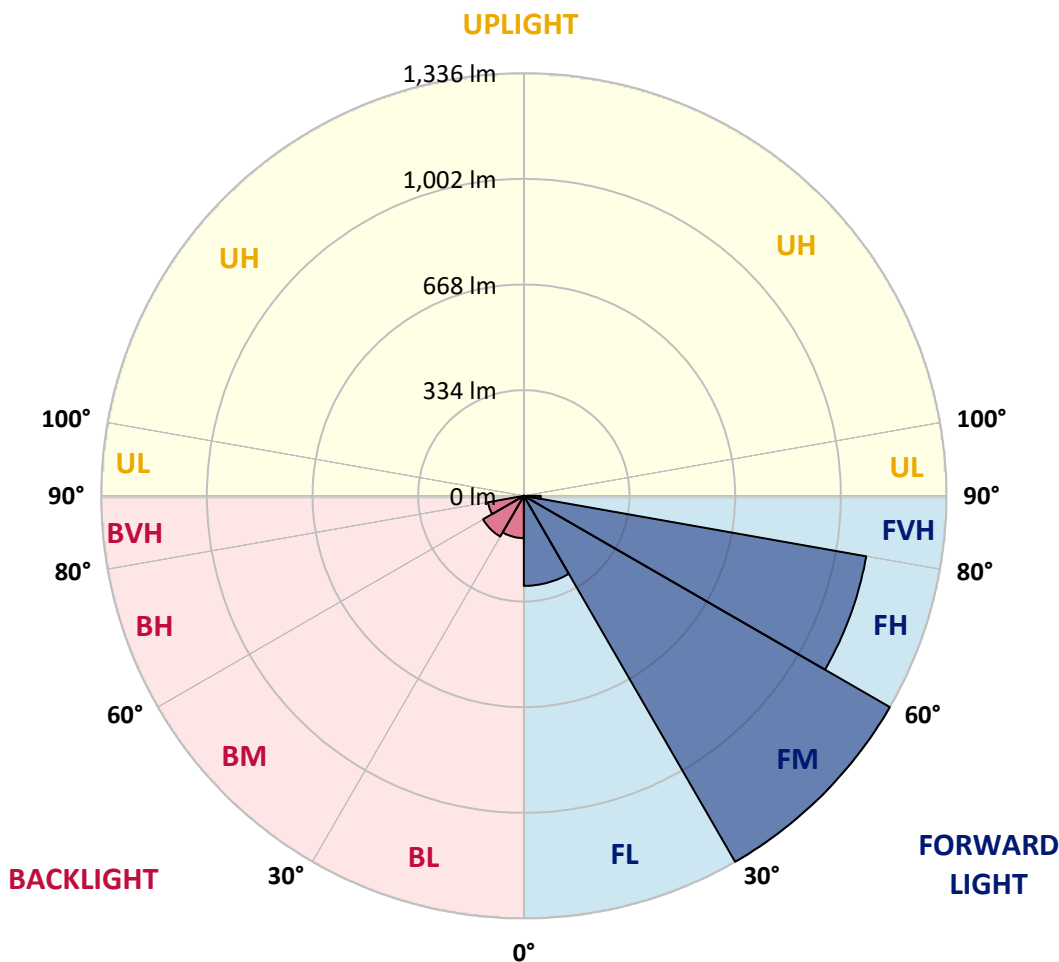


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	284.7	9.0			
FM (30°-60°)	1335.9	42.1			
FH (60°-80°)	1099.2	34.6			G1/1800
FVH (80°-90°)	53.5	1.7			G1/100
BL (0°-30°)	133.7	4.2	B1/500		
BM (30°-60°)	148.7	4.7	B0/220		
BH (60°-80°)	115.3	3.6	B1/500		G1/500
BVH (80°-90°)	1.6	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2
2.5°	744.5	748.4	753.7	761.4	766.7	763.7	765.9	778.9	772.1	778.2	775.1
5°	703.3	707.1	714.7	714.0	720.1	731.6	746.8	763.7	756.0	774.4	781.2
7.5°	660.5	658.9	658.9	675.0	688.0	704.0	712.4	740.0	740.7	756.8	773.6
10°	621.5	626.1	633.7	639.8	652.1	675.0	699.4	720.8	729.3	761.4	765.9
12.5°	597.8	600.1	609.2	614.6	630.6	652.8	678.8	706.3	713.2	746.1	768.2
15°	587.8	593.2	596.2	606.2	614.6	635.2	654.3	685.7	705.6	731.6	759.1
17.5°	595.5	593.2	594.7	597.8	607.7	626.1	646.7	678.0	684.9	728.5	769.8
20°	605.4	606.2	601.6	600.1	597.8	615.4	632.2	672.7	680.3	728.5	776.7
22.5°	632.2	623.8	632.2	619.9	607.7	615.4	631.4	673.5	678.8	727.7	783.5
25°	665.0	666.6	668.9	642.9	625.3	619.9	636.8	675.7	680.3	733.8	786.6
27.5°	711.7	718.6	707.1	694.1	658.9	632.2	636.0	674.2	682.6	730.8	794.2
30°	774.4	769.0	770.5	740.7	706.3	664.3	653.6	678.0	684.2	734.6	808.8
32.5°	828.6	822.5	833.2	822.5	768.2	710.1	674.2	685.7	692.6	743.8	821.0
35°	862.3	869.9	886.7	898.2	852.3	769.8	708.6	706.3	709.4	748.4	830.2
37.5°	914.2	928.0	941.8	970.8	931.1	843.2	762.9	733.1	727.7	770.5	834.7
40°	970.8	967.0	1007.5	1041.9	1040.4	946.4	838.6	780.5	772.8	805.7	865.3
42.5°	1018.2	1014.4	1059.5	1116.1	1122.2	1045.7	924.9	847.7	840.9	860.0	902.8
45°	1080.1	1083.2	1136.7	1204.0	1226.1	1177.2	1041.9	944.1	940.2	934.1	973.9
47.5°	1135.2	1152.0	1197.8	1277.3	1357.6	1313.3	1179.5	1084.7	1058.0	1044.2	1083.9
50°	1173.4	1188.7	1244.5	1329.3	1476.1	1504.4	1333.9	1234.5	1235.3	1201.7	1223.1
52.5°	1173.4	1172.6	1217.7	1329.3	1558.7	1703.9	1540.3	1423.4	1429.5	1394.3	1395.8
55°	1060.3	1058.0	1113.0	1231.5	1549.5	1895.8	1853.0	1662.6	1647.3	1579.3	1586.2
57.5°	853.9	859.2	901.3	1043.4	1430.2	1985.2	2225.2	1931.7	1879.7	1739.1	1739.1
60°	623.0	618.4	649.8	749.1	1145.9	1951.6	2531.0	2248.9	2167.1	1871.3	1851.4
62.5°	473.9	473.2	481.6	515.2	727.0	1701.6	2662.5	2652.5	2519.5	2001.3	1973.0
65°	383.0	384.5	396.0	419.7	444.1	1160.4	2592.9	3134.1	3012.6	2194.7	2102.2
67.5°	312.6	316.5	330.2	381.4	376.1	600.8	2208.4	3410.1	3433.0	2489.7	2275.7
70°	240.8	246.9	263.0	335.6	362.3	399.8	1531.1	3272.5	3333.6	2673.2	2171.0
72.5°	163.6	162.8	197.2	272.1	366.2	366.2	852.3	2635.7	2693.8	2464.5	1885.8
75°	88.7	94.0	130.7	205.6	335.6	353.9	485.4	1928.6	2010.4	1916.4	1458.5
77.5°	48.2	48.9	72.6	134.5	279.0	337.9	324.1	1311.7	1343.9	1155.8	798.8
80°	25.2	26.0	38.2	87.9	192.6	313.4	269.8	782.0	751.4	443.4	263.7
82.5°	11.5	12.2	19.1	55.0	123.1	246.9	233.1	377.6	348.6	123.8	80.3
85°	4.6	4.6	8.4	32.9	71.9	121.5	199.5	189.6	158.2	37.5	39.7
87.5°	1.5	1.5	2.3	13.0	29.0	72.6	106.3	100.1	68.8	13.8	21.4
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°	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2
2.5°	772.1	780.5	778.2	776.7	762.1	760.6	759.1	745.3	749.9	738.4	746.1
5°	776.7	781.2	769.0	746.1	725.4	702.5	684.9	672.7	650.5	642.1	640.6
7.5°	772.1	772.1	746.8	710.1	669.6	632.2	584.8	551.1	525.9	506.8	513.7
10°	765.9	756.8	730.8	665.8	592.4	535.9	467.8	418.1	380.7	368.5	360.8
12.5°	765.9	749.9	691.8	603.1	508.3	422.7	341.7	276.7	240.8	219.4	216.3
15°	759.1	735.4	663.5	544.3	426.5	310.4	217.9	162.1	131.5	123.1	120.0
17.5°	760.6	732.3	621.5	474.7	331.0	206.4	133.0	102.4	94.8	91.0	91.7
20°	763.7	732.3	584.0	406.7	238.5	128.4	91.7	86.4	82.6	81.0	81.8
22.5°	773.6	717.8	545.8	337.1	161.3	92.5	81.0	75.7	72.6	70.3	69.6
25°	775.1	715.5	509.1	268.3	110.8	78.0	71.1	65.0	61.2	58.1	57.3
27.5°	772.8	705.6	457.9	199.5	83.3	69.6	60.4	54.3	48.9	46.6	45.9
30°	781.2	687.2	414.3	143.7	70.3	60.4	51.2	44.3	39.7	36.7	36.7
32.5°	782.0	671.2	366.2	102.4	64.2	53.5	43.6	35.9	31.3	29.8	29.8
35°	782.8	656.6	312.6	78.0	57.3	45.9	35.9	29.8	26.8	24.5	24.5
37.5°	785.1	645.9	263.7	65.7	51.2	39.0	29.8	24.5	21.4	20.6	20.6
40°	789.6	631.4	212.5	58.1	44.3	32.9	25.2	20.6	17.6	16.8	16.1
42.5°	801.9	627.6	169.7	52.0	39.7	27.5	20.6	16.8	14.5	13.0	12.2
45°	852.3	637.5	131.5	48.2	33.6	22.9	17.6	13.8	10.7	9.9	9.2
47.5°	934.9	670.4	104.0	42.8	28.3	19.1	14.5	10.7	8.4	7.6	6.9
50°	1060.3	745.3	84.9	38.2	23.7	16.1	11.5	8.4	6.1	5.4	5.4
52.5°	1224.6	846.2	73.4	33.6	19.1	13.8	9.2	6.1	4.6	3.8	3.8
55°	1392.8	965.5	68.8	29.0	16.1	11.5	6.9	4.6	3.1	2.3	2.3
57.5°	1547.2	1042.7	66.5	23.7	13.8	8.4	5.4	3.1	1.5	0.8	0.8
60°	1643.5	1099.2	59.6	19.1	10.7	6.9	3.8	1.5	0.8	0.0	0.0
62.5°	1770.4	1156.6	48.9	14.5	7.6	4.6	2.3	0.8	0.0	0.0	0.0
65°	1937.8	1220.8	38.2	11.5	6.1	3.1	1.5	0.8	0.0	0.0	0.0
67.5°	2018.1	1187.1	26.0	8.4	3.8	1.5	0.8	0.0	0.0	0.0	0.0
70°	1857.5	999.9	18.3	6.1	2.3	0.8	0.8	0.0	0.0	0.0	0.0
72.5°	1561.7	783.5	13.8	3.8	1.5	0.8	0.0	0.0	0.0	0.0	0.0
75°	1151.2	490.0	10.7	3.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	610.8	182.7	7.6	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	180.4	53.5	5.4	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	59.6	16.1	3.1	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	30.6	6.1	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.6	2.3	1.5	1.5	0.8	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)