

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: P676537

Luminaire Tested: **CCW-SA-2C-727-U-T4FT-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676537
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-727-U-T4FT-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T4FT distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

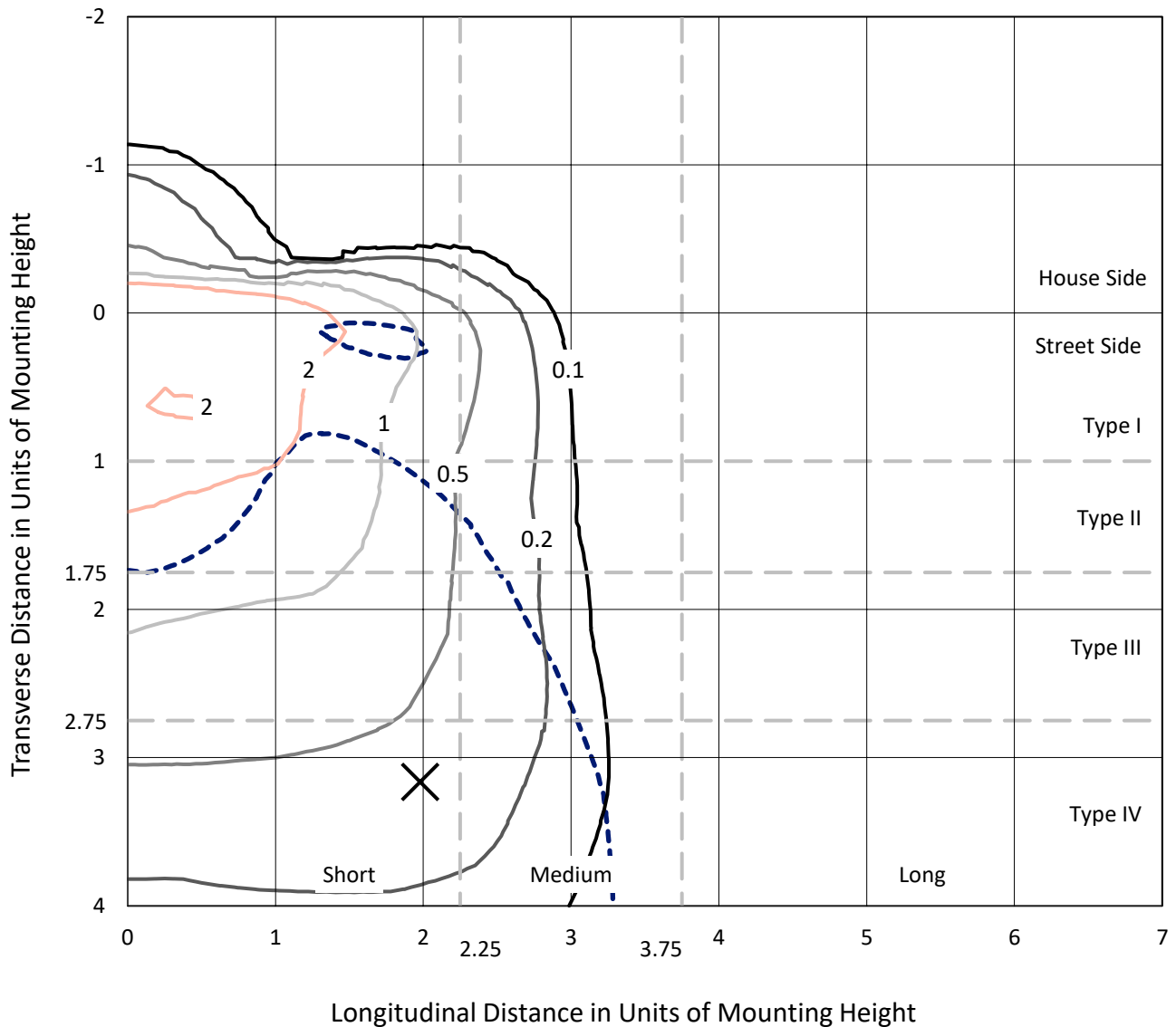
Lumens per Lamp: N/A
Luminaire Lumens: 5429.5 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

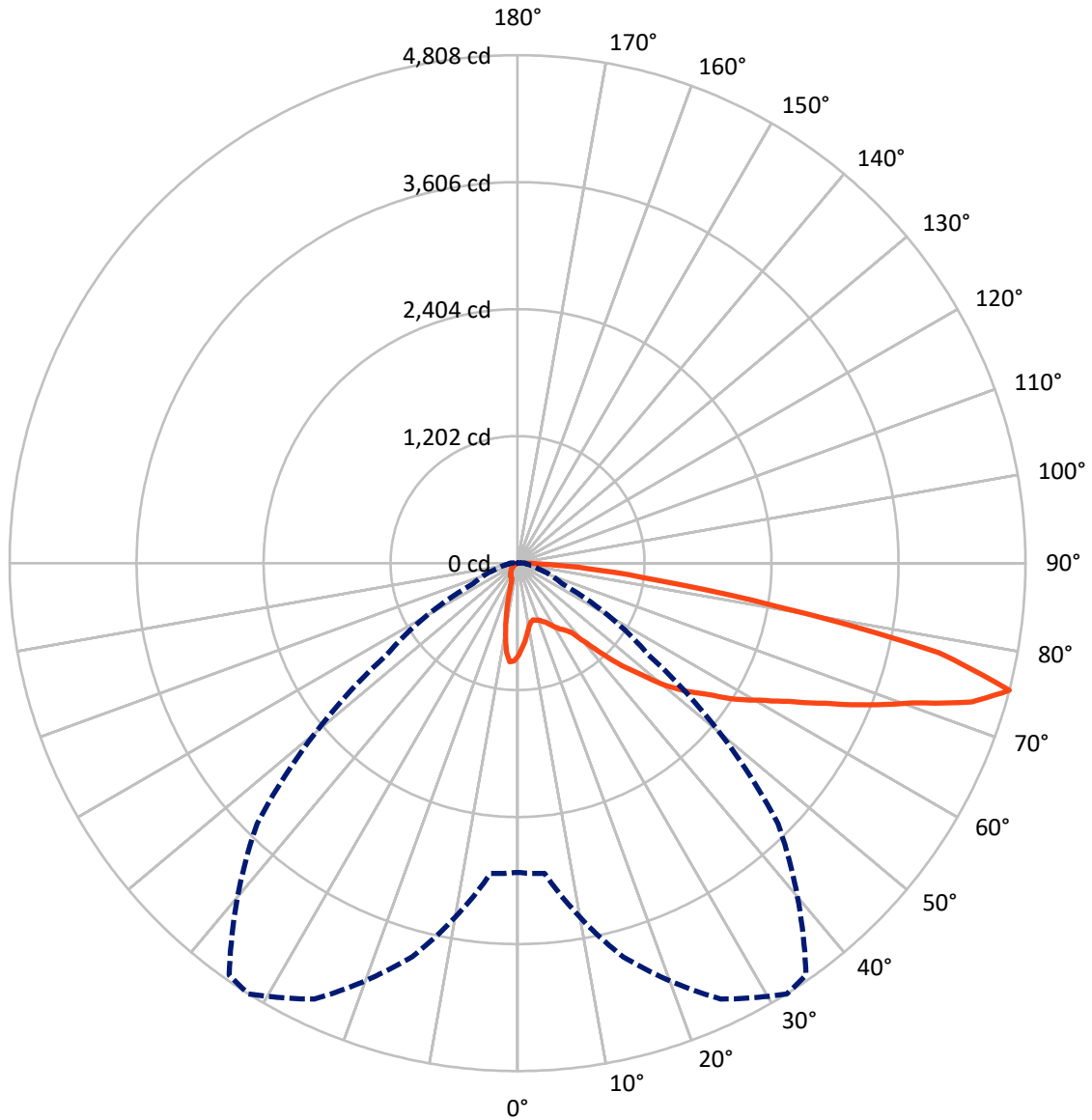
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	586.6	0.0	586.6
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	4842.9	0.0	4842.9
	% Fixture	89.2	0.0	89.2
Total	Lumens	5429.5	0.0	5429.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	1.4
10°-20°	174.9	3.2
20°-30°	261.9	4.8
30°-40°	402.0	7.4
40°-50°	703.0	12.9
50°-60°	1098.9	20.2
60°-70°	1420.7	26.2
70°-80°	1157.1	21.3
80°-90°	133.9	2.5
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°	5429.5	100.0
0°-180°	5429.5	100.0



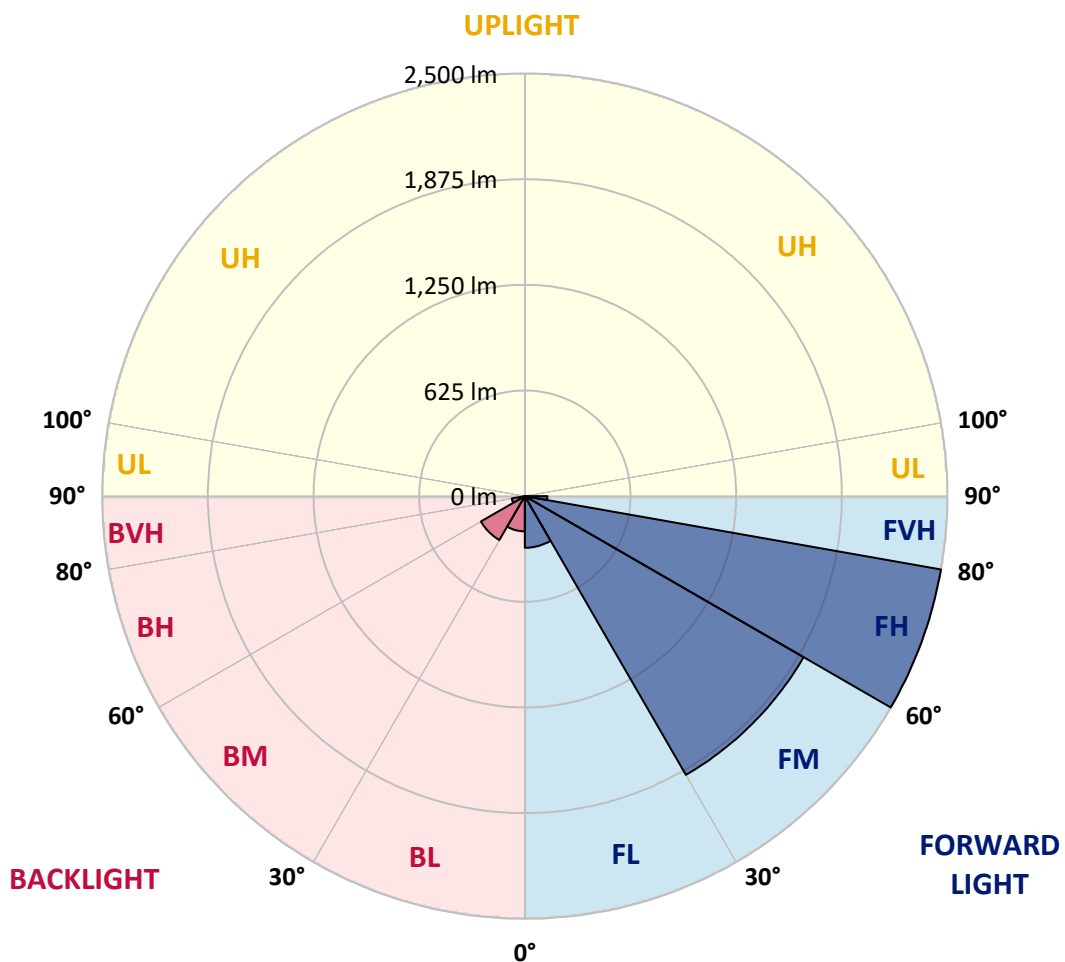
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	305.5	5.6			
FM (30°-60°)	1903.8	35.1			
FH (60°-80°)	2499.8	46.0			G2/5000
FVH (80°-90°)	133.8	2.5			G2/225
BL (0°-30°)	208.4	3.8	B1/500		
BM (30°-60°)	300.1	5.5	B1/1000		
BH (60°-80°)	78.0	1.4	B0/110		G0/110
BVH (80°-90°)	0.1	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	876.7	876.7	876.7	876.7	876.7	876.7	876.7	876.7	876.7	876.7	876.7
2.5°	786.2	797.4	796.0	802.9	804.3	808.5	818.2	818.2	846.1	865.6	878.1
5°	715.3	708.3	711.1	719.4	740.3	738.9	762.6	775.1	808.5	836.3	865.6
7.5°	627.6	626.2	631.8	651.3	666.6	679.1	704.1	736.1	780.7	822.4	873.9
10°	571.9	569.2	580.3	585.9	603.9	612.3	651.3	701.4	754.2	814.1	873.9
12.5°	559.4	549.7	555.2	553.8	570.5	574.7	612.3	673.5	737.5	811.3	885.0
15°	566.4	559.4	553.8	553.8	558.0	560.8	601.2	655.4	727.8	815.5	910.1
17.5°	588.6	584.5	567.8	551.1	569.2	569.2	594.2	651.3	729.2	828.0	940.7
20°	615.1	610.9	581.7	562.2	574.7	588.6	615.1	661.0	733.4	837.7	988.0
22.5°	644.3	644.3	603.9	581.7	598.4	599.8	647.1	691.6	750.1	862.8	1018.6
25°	680.5	677.7	638.7	613.7	619.2	634.6	677.7	725.0	780.7	897.6	1075.7
27.5°	727.8	723.6	677.7	652.6	659.6	676.3	725.0	772.3	808.5	911.5	1124.4
30°	766.8	762.6	725.0	687.4	702.7	718.1	775.1	816.9	843.3	937.9	1180.1
32.5°	775.1	768.1	743.1	726.4	743.1	772.3	816.9	860.0	900.3	1004.7	1285.8
35°	871.1	846.1	780.7	754.2	779.3	789.0	862.8	939.3	978.3	1057.6	1404.1
37.5°	1054.8	1031.2	944.9	871.1	836.3	847.5	943.5	1038.1	1075.7	1156.4	1533.5
40°	1280.2	1241.3	1149.4	1050.6	979.7	965.8	1028.4	1167.5	1203.7	1280.2	1703.3
42.5°	1537.7	1500.1	1358.2	1241.3	1168.9	1150.8	1160.6	1317.8	1348.4	1394.4	1814.6
45°	1722.8	1703.3	1543.3	1438.9	1381.8	1362.3	1338.7	1482.0	1521.0	1536.3	1976.0
47.5°	1829.9	1816.0	1726.9	1656.0	1579.4	1558.6	1573.9	1710.2	1683.8	1696.3	2130.5
50°	1973.2	1937.1	1816.0	1838.3	1823.0	1817.4	1843.8	1903.7	1864.7	1828.5	2298.9
52.5°	2088.7	2024.7	1939.9	1994.1	2017.8	2038.7	2131.9	2176.4	2002.5	1946.8	2407.4
55°	2159.7	2098.5	2120.8	2170.9	2195.9	2291.9	2401.9	2368.5	2092.9	2041.4	2552.1
57.5°	2223.7	2227.9	2287.7	2303.1	2431.1	2447.8	2659.3	2550.7	2156.9	2127.7	2609.2
60°	2378.2	2362.9	2411.6	2510.4	2632.9	2726.1	2927.9	2673.2	2188.9	2172.2	2593.9
62.5°	2656.5	2561.9	2578.6	2703.8	2883.3	2984.9	3082.3	2728.9	2180.6	2179.2	2548.0
65°	3010.0	2901.4	2851.3	2968.2	3200.6	3343.9	3256.3	2791.5	2124.9	2163.9	2376.8
67.5°	3303.6	3305.0	3211.7	3277.1	3580.5	3611.1	3420.5	2779.0	2031.7	2042.8	1959.3
70°	3641.7	3687.7	3605.6	3810.1	3961.8	3981.3	3608.3	2676.0	1831.3	1540.5	1125.8
72.5°	3728.0	3751.7	4007.7	4322.2	4493.4	4498.9	3793.4	2332.3	1205.1	680.5	349.3
75°	2927.9	2950.1	3857.4	4553.2	4807.9	4759.2	3484.5	1514.0	469.0	199.0	83.5
77.5°	1633.7	1640.7	2394.9	3680.7	4078.7	3882.5	2440.8	590.0	189.3	114.1	39.0
80°	446.7	524.6	887.8	1814.6	2490.9	2445.0	1162.0	192.0	122.5	89.1	18.1
82.5°	107.2	115.5	285.3	802.9	1316.4	1373.5	346.5	97.4	84.9	73.8	9.7
85°	39.0	43.1	87.7	391.0	676.3	620.6	104.4	48.7	62.6	57.1	4.2
87.5°	13.9	13.9	27.8	128.0	197.6	148.9	34.8	16.7	32.0	34.8	1.4
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°	876.7	876.7	876.7	876.7	876.7	876.7	876.7	876.7	876.7	876.7	876.7
2.5°	879.5	879.5	899.0	915.7	921.2	928.2	921.2	936.5	935.1	928.2	931.0
5°	880.9	905.9	922.6	933.7	939.3	937.9	940.7	924.0	914.3	907.3	900.3
7.5°	887.8	911.5	942.1	939.3	924.0	892.0	866.9	822.4	779.3	777.9	770.9
10°	911.5	932.4	950.4	939.3	883.6	786.2	706.9	647.1	592.8	567.8	570.5
12.5°	928.2	967.1	958.8	901.7	786.2	658.2	541.3	453.7	404.9	359.0	359.0
15°	963.0	976.9	974.1	847.5	666.6	513.5	371.5	282.5	231.0	210.1	207.3
17.5°	996.4	1011.7	964.4	765.4	548.3	345.1	225.4	175.3	168.4	165.6	167.0
20°	1038.1	1039.5	956.0	683.3	411.9	218.5	161.4	157.2	158.6	157.2	157.2
22.5°	1082.6	1092.4	926.8	567.8	274.1	158.6	150.3	151.7	151.7	151.7	155.9
25°	1141.1	1125.8	880.9	457.8	179.5	146.1	146.1	147.5	147.5	147.5	148.9
27.5°	1180.1	1159.2	822.4	329.8	140.5	137.8	140.5	140.5	143.3	143.3	143.3
30°	1260.8	1206.5	748.7	212.9	126.6	130.8	133.6	136.4	137.8	140.5	141.9
32.5°	1323.4	1248.2	656.8	141.9	115.5	118.3	125.2	130.8	136.4	135.0	135.0
35°	1437.5	1316.4	571.9	112.7	105.8	105.8	112.7	122.5	130.8	133.6	133.6
37.5°	1568.3	1372.1	453.7	103.0	97.4	97.4	101.6	112.7	123.8	129.4	126.6
40°	1676.8	1436.1	335.4	96.0	90.5	90.5	93.2	101.6	114.1	123.8	125.2
42.5°	1753.4	1483.4	226.8	89.1	84.9	83.5	87.7	91.8	101.6	115.5	118.3
45°	1823.0	1508.5	140.5	82.1	79.3	79.3	79.3	83.5	90.5	103.0	105.8
47.5°	1946.8	1536.3	101.6	76.5	72.4	73.8	75.1	76.5	82.1	84.9	86.3
50°	2051.2	1557.2	83.5	71.0	68.2	69.6	69.6	69.6	72.4	68.2	68.2
52.5°	2130.5	1536.3	71.0	65.4	62.6	64.0	62.6	62.6	59.8	54.3	54.3
55°	2188.9	1498.7	57.1	59.8	59.8	59.8	57.1	52.9	47.3	43.1	43.1
57.5°	2204.2	1434.7	44.5	50.1	54.3	54.3	48.7	43.1	36.2	32.0	30.6
60°	2180.6	1295.6	33.4	36.2	41.7	43.1	39.0	32.0	25.0	20.9	20.9
62.5°	2095.7	1185.6	26.4	23.7	30.6	32.0	27.8	20.9	13.9	9.7	8.3
65°	1934.3	1015.8	19.5	16.7	20.9	22.3	18.1	9.7	4.2	1.4	0.0
67.5°	1551.6	765.4	12.5	11.1	13.9	13.9	8.3	2.8	0.0	0.0	0.0
70°	858.6	430.0	8.3	5.6	7.0	4.2	1.4	0.0	0.0	0.0	0.0
72.5°	247.7	122.5	4.2	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
75°	66.8	29.2	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	29.2	11.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	12.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	7.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	0.0	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)