

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: P675102

Luminaire Tested: **CCW-SA-1C-730-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675102
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-730-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T4FT distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

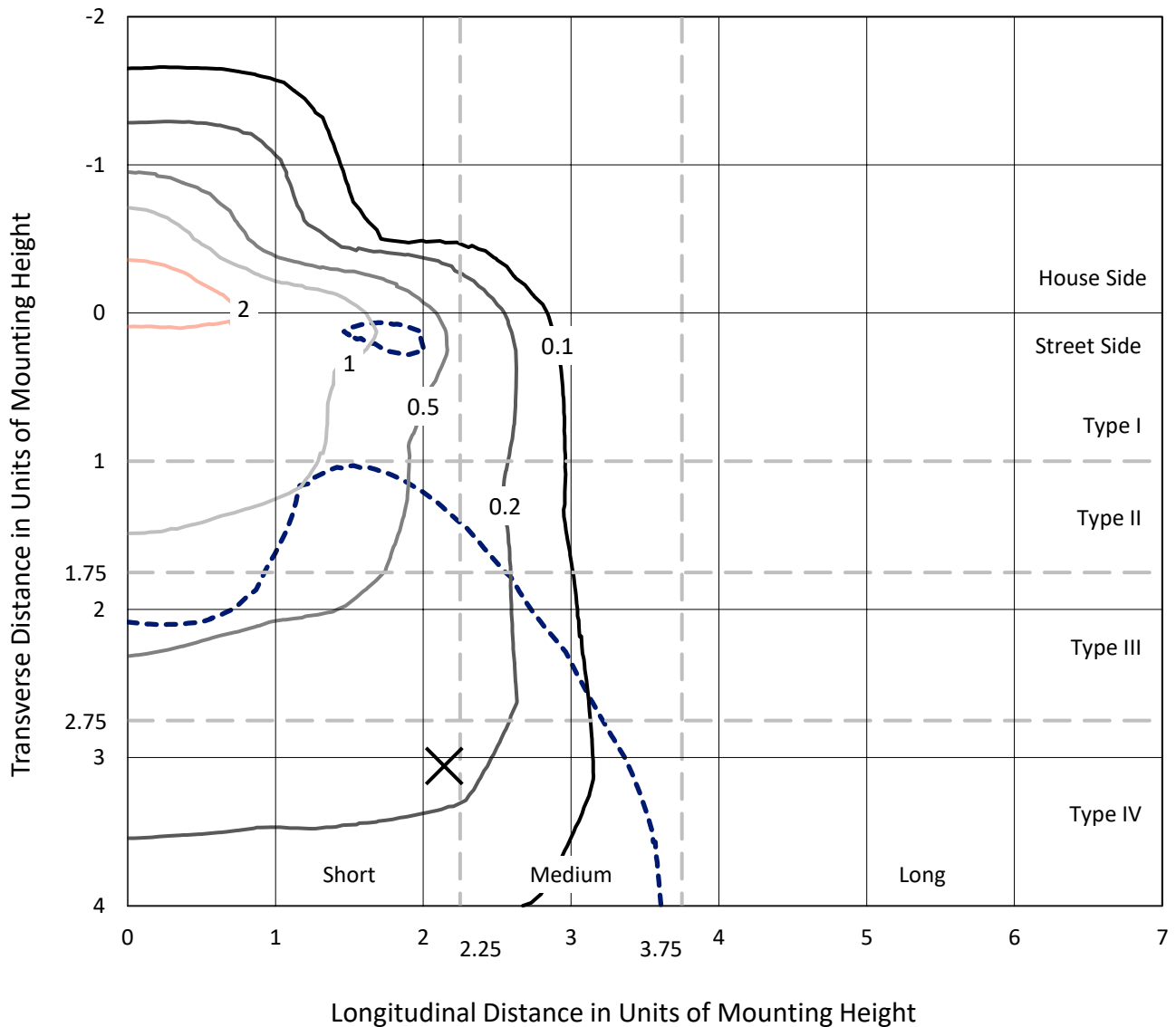
Lumens per Lamp: N/A
Luminaire Lumens: 4114.5 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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

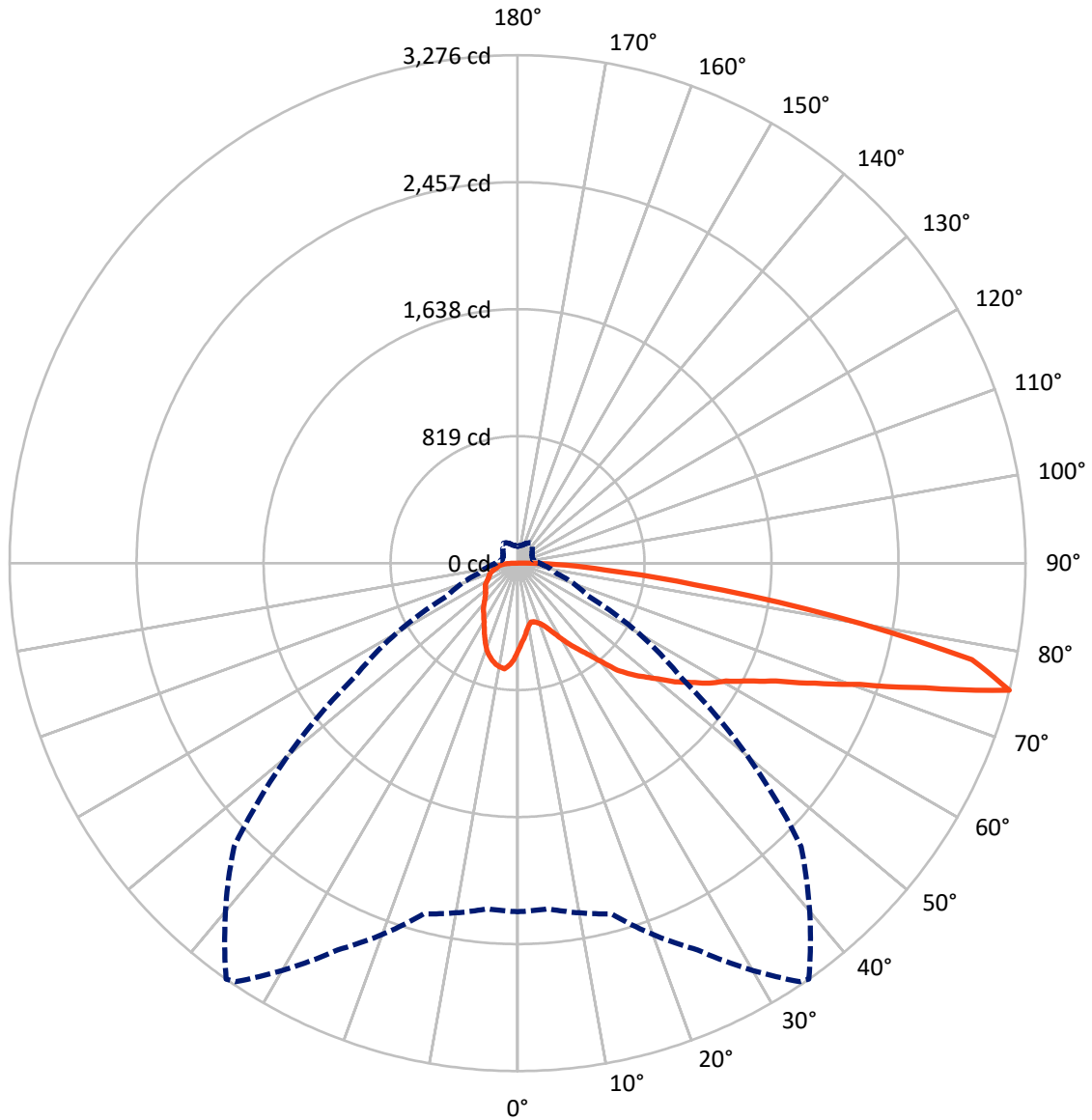
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	945.6	0.0	945.6
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	3168.9	0.0	3168.9
	% Fixture	77.0	0.0	77.0
Total	Lumens	4114.5	0.0	4114.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	1.3
10°-20°	155.9	3.8
20°-30°	258.7	6.3
30°-40°	383.5	9.3
40°-50°	552.9	13.4
50°-60°	760.3	18.5
60°-70°	939.2	22.8
70°-80°	859.2	20.9
80°-90°	151.3	3.7
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°	4114.5	100.0
0°-180°	4114.5	100.0



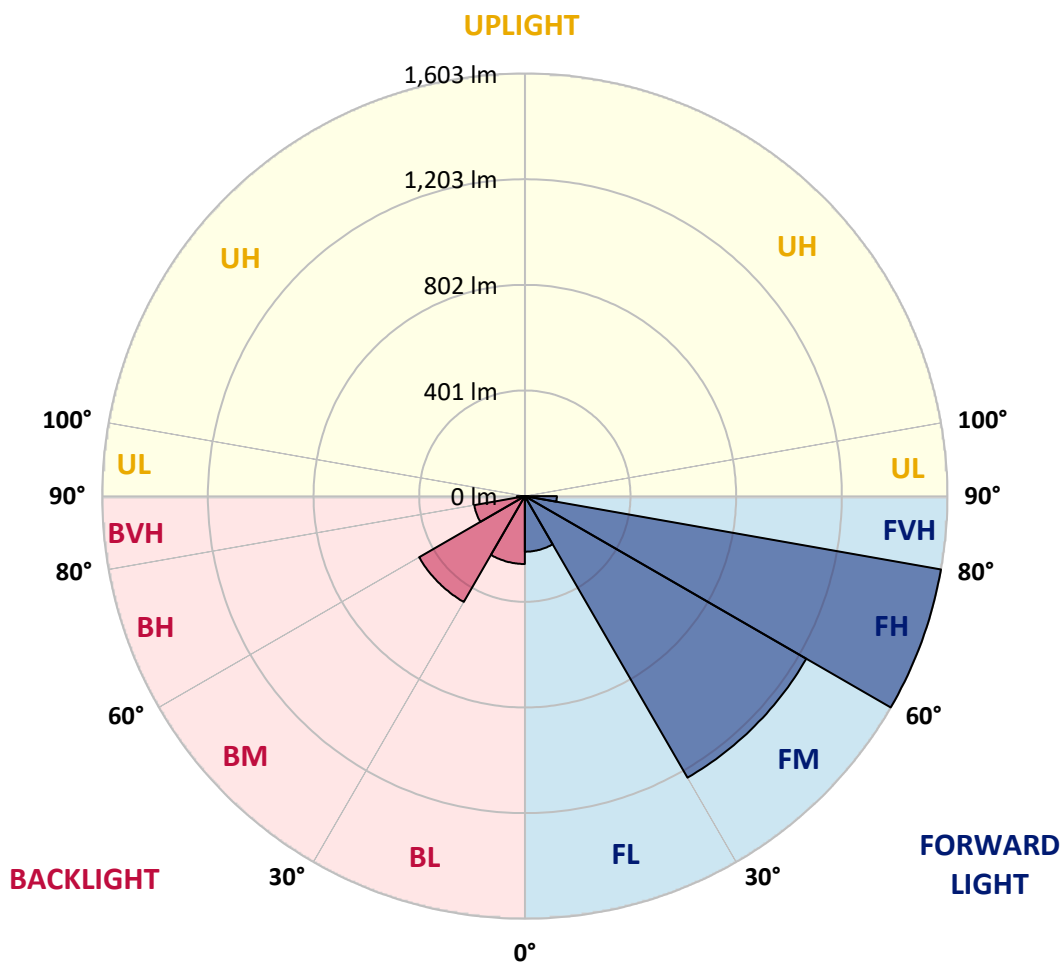
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	210.9	5.1			
FM (30°-60°)	1233.3	30.0			
FH (60°-80°)	1603.3	39.0			G1/1800
FVH (80°-90°)	121.4	3.0			G2/225
BL (0°-30°)	257.4	6.3	B1/500		
BM (30°-60°)	463.4	11.3	B1/1000		
BH (60°-80°)	195.0	4.7	B1/500		G1/500
BVH (80°-90°)	29.9	0.7			G1/100
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°	34°	35°	45°	55°	65°	75°	85°
0°	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7
2.5°	510.7	506.1	510.7	513.7	513.7	513.7	518.3	531.9	541.0	547.0	557.7
5°	457.6	459.2	462.2	469.8	474.3	477.3	484.9	501.6	515.2	534.9	557.7
7.5°	410.7	413.7	418.2	425.8	436.4	434.9	451.6	474.3	500.1	525.8	559.2
10°	386.4	392.5	394.0	395.5	406.1	406.1	428.8	454.6	486.4	519.8	559.2
12.5°	391.0	391.0	386.4	384.9	391.0	389.4	409.1	439.5	474.3	521.3	565.2
15°	404.6	404.6	395.5	386.4	395.5	392.5	409.1	433.4	474.3	522.8	577.4
17.5°	422.8	424.3	413.7	398.5	401.6	403.1	415.2	437.9	474.3	525.8	594.0
20°	459.2	451.6	434.9	410.7	421.3	416.7	434.9	454.6	483.4	538.0	618.3
22.5°	491.0	491.0	459.2	437.9	439.5	439.5	456.1	472.8	497.0	554.6	636.5
25°	542.5	539.5	500.1	468.2	471.3	472.8	481.9	501.6	519.8	563.7	659.2
27.5°	607.7	600.1	560.7	524.3	512.2	516.7	521.3	536.4	541.0	578.9	686.5
30°	677.4	666.8	633.4	575.8	569.8	571.3	563.7	572.8	566.7	603.1	713.7
32.5°	721.3	721.3	689.5	647.1	630.4	630.4	604.6	610.7	610.7	625.8	762.2
35°	759.2	756.2	734.9	703.1	692.5	686.5	660.7	669.8	654.6	669.8	830.4
37.5°	816.8	807.7	798.6	777.4	756.2	751.6	738.0	744.0	722.8	715.2	907.7
40°	883.5	878.9	869.8	860.7	839.5	838.0	822.8	828.9	806.2	777.4	985.0
42.5°	982.0	968.3	939.5	931.9	936.5	942.6	936.5	925.9	885.0	848.6	1068.3
45°	1080.5	1059.2	1004.7	992.6	1027.4	1022.9	1048.6	1044.1	977.4	919.8	1156.2
47.5°	1144.1	1125.9	1082.0	1074.4	1089.5	1095.6	1172.9	1159.2	1053.2	985.0	1241.1
50°	1189.6	1191.1	1133.5	1153.2	1172.9	1172.9	1269.9	1268.4	1145.6	1065.3	1351.7
52.5°	1256.2	1235.0	1210.8	1229.0	1256.2	1271.4	1391.1	1357.8	1203.2	1133.5	1476.0
55°	1291.1	1282.0	1260.8	1292.6	1350.2	1357.8	1485.1	1459.3	1268.4	1213.8	1603.2
57.5°	1304.7	1312.3	1347.2	1360.8	1441.1	1460.8	1569.9	1533.5	1329.0	1313.8	1701.7
60°	1365.3	1354.7	1401.7	1456.3	1533.5	1544.2	1676.0	1597.2	1388.1	1379.0	1733.6
62.5°	1488.1	1460.8	1486.6	1551.7	1659.3	1673.0	1788.1	1682.0	1413.8	1422.9	1732.1
65°	1666.9	1647.2	1609.3	1660.8	1812.4	1832.1	1920.0	1754.8	1406.3	1407.8	1609.3
67.5°	1877.5	1845.7	1806.3	1838.1	2023.0	2068.5	2080.6	1786.6	1353.2	1322.9	1309.3
70°	2062.4	2041.2	2015.4	2070.0	2327.6	2344.3	2280.6	1766.9	1206.2	1062.3	872.8
72.5°	2235.2	2224.5	2239.7	2444.3	2739.8	2750.4	2468.5	1642.6	953.2	644.0	406.1
75°	2248.8	2238.2	2342.7	2753.4	3256.5	3276.2	2585.2	1288.1	503.1	262.2	171.2
77.5°	1522.9	1554.8	1750.2	2410.9	2991.3	2995.9	2113.9	598.6	207.6	154.6	119.7
80°	374.3	415.2	659.2	1247.1	2016.9	2066.9	1157.7	201.5	136.4	118.2	89.4
82.5°	136.4	148.5	268.2	563.7	1133.5	1153.2	404.6	109.1	98.5	90.9	65.2
85°	65.2	66.7	127.3	277.3	572.8	566.7	145.5	65.2	71.2	62.1	39.4
87.5°	27.3	27.3	56.1	128.8	253.1	245.5	47.0	30.3	40.9	36.4	19.7
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°	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7
2.5°	565.2	568.3	580.4	589.5	598.6	606.1	618.3	618.3	625.8	625.8	625.8
5°	563.7	580.4	600.1	621.3	634.9	648.6	660.7	662.2	666.8	672.8	674.3
7.5°	569.8	586.4	618.3	648.6	665.2	671.3	686.5	681.9	681.9	681.9	686.5
10°	581.9	600.1	644.0	671.3	683.4	684.9	680.4	677.4	668.3	665.2	660.7
12.5°	591.0	622.8	666.8	688.0	683.4	678.9	668.3	653.1	642.5	639.5	639.5
15°	613.7	645.5	686.5	694.0	686.5	662.2	648.6	631.9	622.8	609.2	615.2
17.5°	633.4	669.8	706.2	697.1	681.9	644.0	624.3	600.1	588.0	572.8	572.8
20°	659.2	692.5	724.3	700.1	666.8	625.8	594.0	563.7	547.0	531.9	534.9
22.5°	688.0	718.3	734.9	688.0	644.0	597.1	553.1	524.3	503.1	494.0	497.0
25°	710.7	744.0	741.0	668.3	616.8	560.7	512.2	484.9	480.4	471.3	471.3
27.5°	739.5	774.3	736.5	644.0	571.3	503.1	472.8	462.2	462.2	457.6	460.7
30°	777.4	801.6	725.9	609.2	513.7	451.6	436.4	442.5	453.1	448.5	450.1
32.5°	839.5	836.5	716.8	569.8	453.1	401.6	412.2	424.3	433.4	437.9	441.0
35°	900.1	880.4	706.2	516.7	397.0	377.3	386.4	400.1	416.7	421.3	422.8
37.5°	960.7	925.9	688.0	451.6	362.2	356.1	365.2	372.8	386.4	389.4	392.5
40°	1024.4	956.2	656.2	387.9	333.4	333.4	339.4	341.0	348.5	353.1	356.1
42.5°	1080.5	985.0	598.6	328.8	303.1	313.7	315.2	312.2	306.1	309.1	310.6
45°	1148.6	1016.8	531.9	286.4	280.3	294.0	297.0	284.9	274.3	268.2	265.2
47.5°	1215.3	1050.1	474.3	251.5	259.1	280.3	280.3	266.7	248.5	233.4	227.3
50°	1275.9	1083.5	427.3	230.3	237.9	269.7	272.8	247.0	227.3	209.1	206.1
52.5°	1377.5	1139.5	378.8	213.7	225.8	262.2	260.6	237.9	212.2	192.5	190.9
55°	1466.9	1195.6	315.2	197.0	213.7	251.5	256.1	228.8	194.0	175.8	172.8
57.5°	1532.0	1209.3	251.5	180.3	201.5	239.4	245.5	210.6	181.8	166.7	165.2
60°	1544.2	1156.2	204.6	166.7	184.9	222.8	227.3	200.0	172.8	160.6	157.6
62.5°	1488.1	1054.7	174.3	154.6	171.2	206.1	215.2	187.9	163.7	153.1	151.5
65°	1360.8	906.2	153.1	144.0	162.1	194.0	204.6	178.8	156.1	147.0	145.5
67.5°	1077.4	695.5	136.4	136.4	150.0	181.8	197.0	172.8	148.5	142.4	140.9
70°	704.6	418.2	124.3	125.8	140.9	171.2	187.9	165.2	139.4	137.9	134.9
72.5°	303.1	192.5	110.6	115.2	127.3	153.1	174.3	154.6	128.8	124.3	119.7
75°	139.4	116.7	100.0	103.0	113.7	134.9	157.6	142.4	119.7	112.1	107.6
77.5°	98.5	84.9	83.3	89.4	97.0	116.7	139.4	133.4	110.6	104.6	101.5
80°	72.7	65.2	69.7	75.8	80.3	107.6	131.8	122.7	101.5	92.4	87.9
82.5°	51.5	48.5	54.6	60.6	65.2	94.0	121.2	107.6	84.9	77.3	69.7
85°	30.3	31.8	37.9	40.9	45.5	69.7	101.5	86.4	65.2	50.0	48.5
87.5°	13.6	13.6	18.2	19.7	22.7	40.9	68.2	54.6	40.9	31.8	30.3
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)