

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: P675619

Luminaire Tested: **CCW-SA-2E-835-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675619
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-835-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SL3 distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

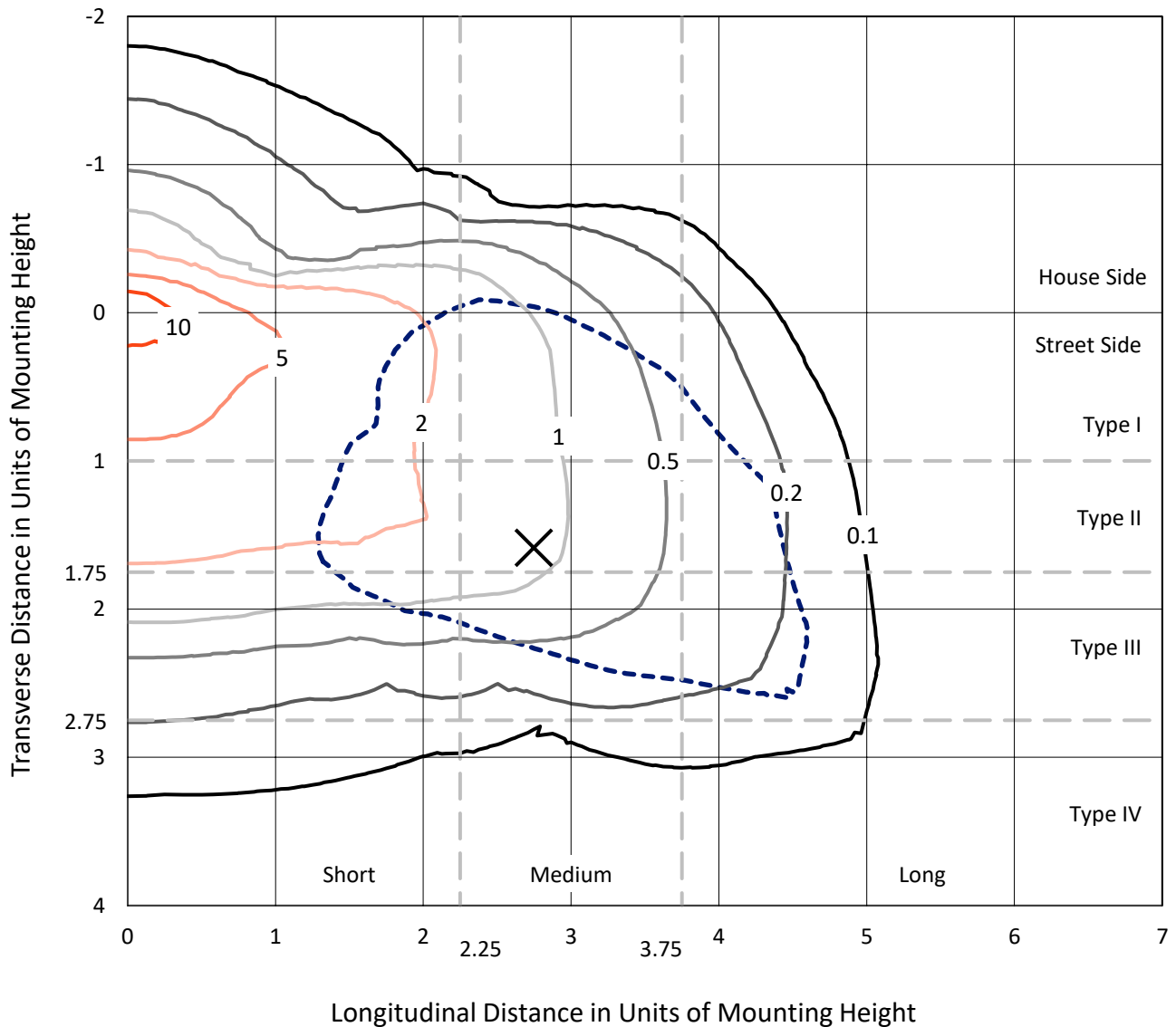
Lumens per Lamp: N/A
Luminaire Lumens: 11139.7 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6
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

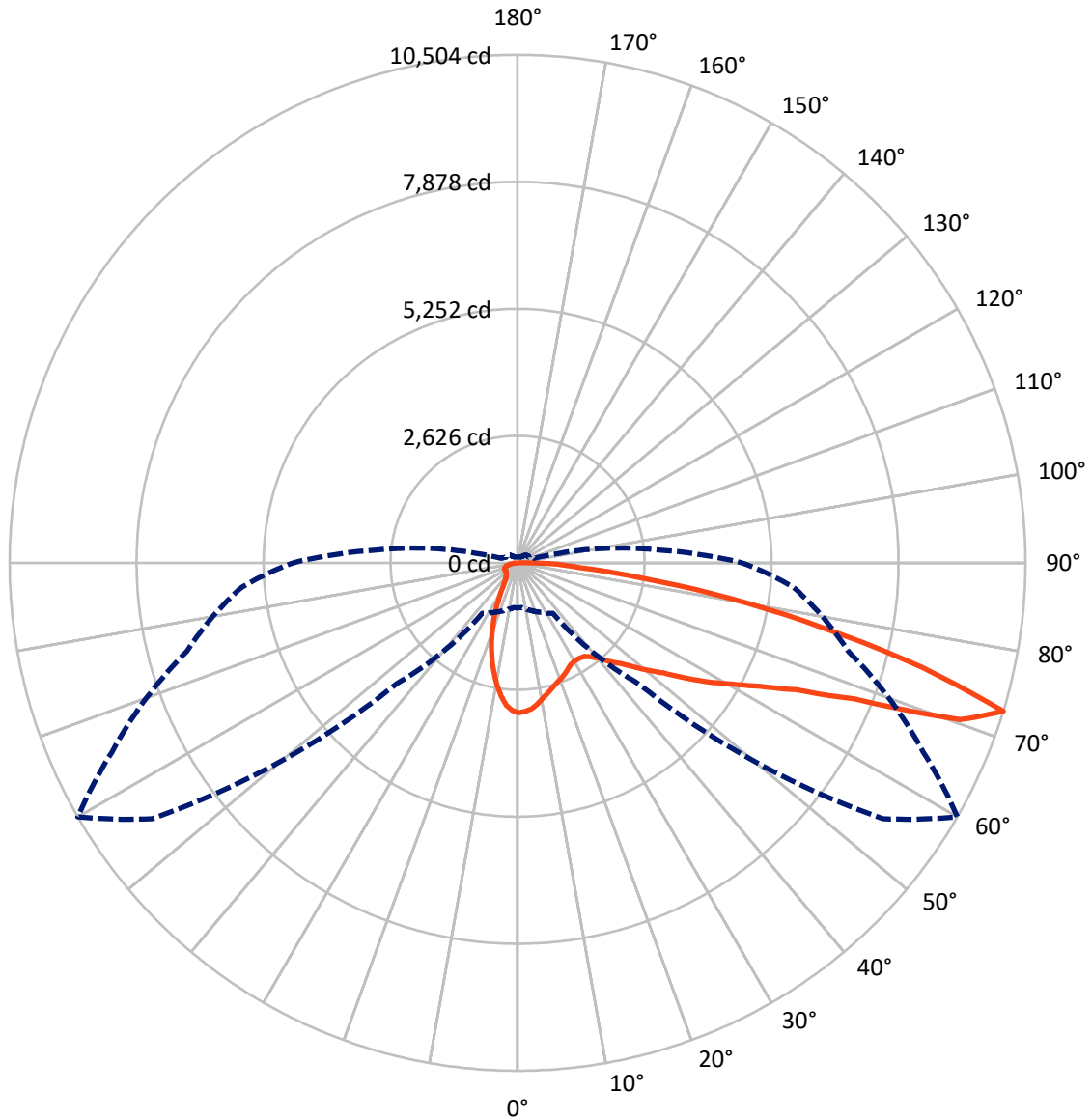
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1913.6	0.0	1913.6
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	9226.1	0.0	9226.1
	% Fixture	82.8	0.0	82.8
Total	Lumens	11139.7	0.0	11139.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.9	2.4
10°-20°	609.7	5.5
20°-30°	780.3	7.0
30°-40°	998.2	9.0
40°-50°	1369.0	12.3
50°-60°	1980.1	17.8
60°-70°	2716.4	24.4
70°-80°	2038.4	18.3
80°-90°	378.9	3.4
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°	11139.7	100.0
0°-180°	11139.7	100.0

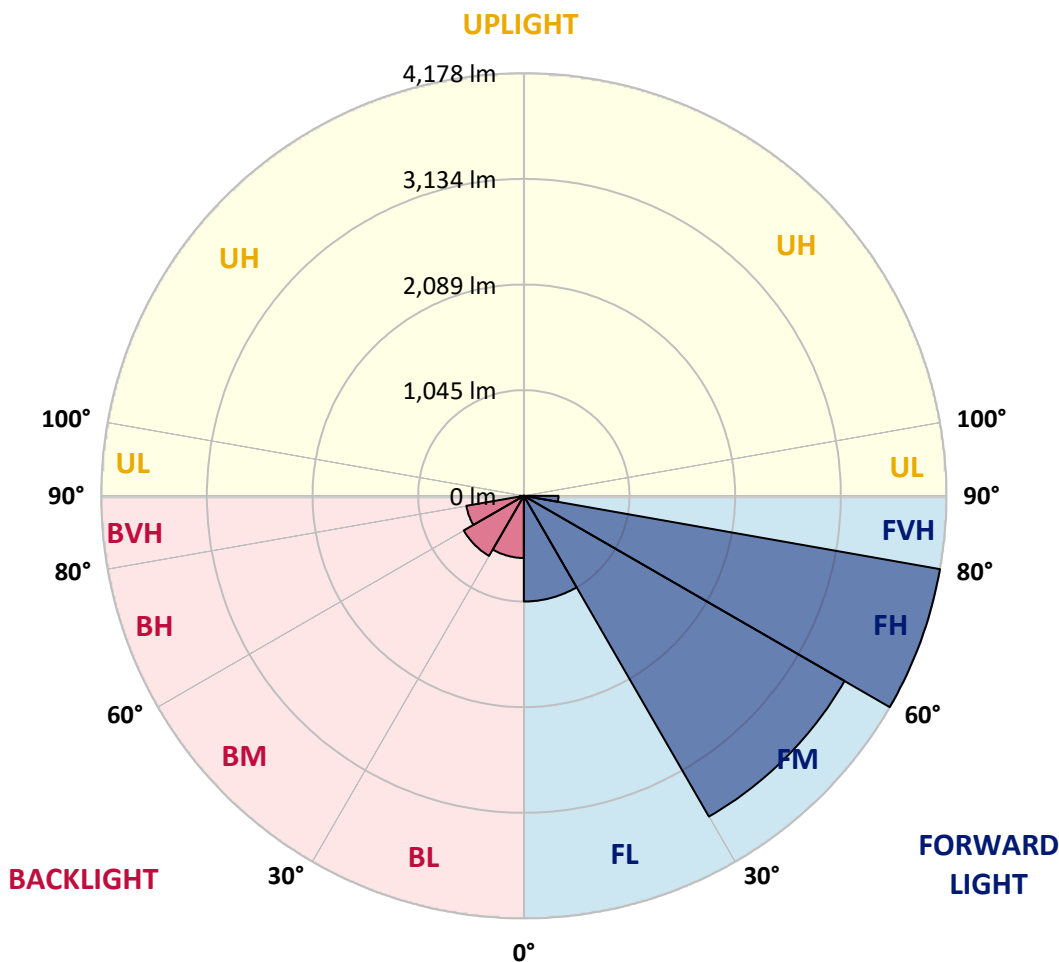


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1044.5	9.4			
FM (30°-60°)	3661.5	32.9			
FH (60°-80°)	4178.1	37.5			G2/5000
FVH (80°-90°)	342.0	3.1			G3/500
BL (0°-30°)	614.3	5.5	B2/1000		
BM (30°-60°)	685.8	6.2	B1/1000		
BH (60°-80°)	576.7	5.2	B2/1000		G2/1000
BVH (80°-90°)	36.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3101.9	3101.9	3101.9	3101.9	3101.9	3101.9	3101.9	3101.9	3101.9	3101.9	3101.9
2.5°	3035.5	3064.5	3072.8	3072.8	3097.7	3068.7	3110.2	3077.0	3085.3	3097.7	3089.4
5°	2890.4	2940.1	2911.1	2965.0	2944.3	2981.6	3031.4	3031.4	3018.9	3043.8	3023.1
7.5°	2749.4	2732.8	2782.6	2782.6	2815.7	2865.5	2907.0	2948.4	2952.6	2960.9	2956.7
10°	2558.6	2579.4	2604.2	2637.4	2678.9	2728.6	2815.7	2848.9	2857.2	2907.0	2894.5
12.5°	2401.0	2430.1	2446.7	2513.0	2550.3	2620.8	2720.4	2766.0	2770.1	2840.6	2840.6
15°	2284.9	2301.5	2338.8	2363.7	2446.7	2546.2	2641.6	2683.0	2728.6	2803.3	2782.6
17.5°	2206.1	2226.9	2243.5	2276.6	2355.4	2438.4	2587.7	2612.5	2666.4	2774.3	2749.4
20°	2160.5	2164.7	2189.6	2210.3	2280.8	2359.6	2492.3	2558.6	2629.1	2724.5	2699.6
22.5°	2168.8	2152.2	2148.1	2177.1	2189.6	2264.2	2425.9	2496.4	2595.9	2707.9	2666.4
25°	2185.4	2189.6	2181.3	2156.4	2160.5	2226.9	2334.7	2425.9	2537.9	2703.8	2620.8
27.5°	2226.9	2247.6	2214.4	2189.6	2164.7	2189.6	2301.5	2367.9	2492.3	2724.5	2616.7
30°	2268.3	2289.1	2280.8	2243.5	2193.7	2185.4	2264.2	2347.1	2467.4	2741.1	2616.7
32.5°	2330.5	2359.6	2330.5	2343.0	2284.9	2247.6	2276.6	2351.3	2492.3	2799.1	2620.8
35°	2401.0	2425.9	2434.2	2405.2	2392.7	2322.3	2338.8	2376.2	2517.2	2865.5	2662.3
37.5°	2479.8	2508.9	2533.7	2537.9	2496.4	2455.0	2446.7	2467.4	2579.4	2981.6	2707.9
40°	2533.7	2550.3	2600.1	2641.6	2654.0	2595.9	2591.8	2591.8	2691.3	3085.3	2790.8
42.5°	2625.0	2616.7	2687.2	2761.8	2782.6	2749.4	2757.7	2790.8	2848.9	3234.6	2923.5
45°	2670.6	2662.3	2745.2	2869.6	2965.0	2948.4	2956.7	2969.2	3023.1	3470.9	3147.5
47.5°	2732.8	2741.1	2861.3	3002.3	3101.9	3159.9	3205.5	3201.4	3242.9	3711.5	3396.3
50°	2795.0	2811.6	2956.7	3106.0	3280.2	3379.7	3446.1	3491.7	3533.1	3964.4	3682.4
52.5°	2915.3	2931.8	3093.6	3255.3	3479.2	3624.4	3790.2	3786.1	3790.2	4217.4	3968.6
55°	3089.4	3093.6	3188.9	3375.6	3678.3	3943.7	4171.8	4196.6	4126.1	4532.5	4296.2
57.5°	3288.5	3305.1	3388.0	3529.0	3835.9	4250.5	4598.9	4648.6	4457.9	4789.6	4594.7
60°	3475.1	3487.5	3616.1	3777.8	4109.6	4636.2	5030.2	5088.2	4880.9	5104.8	4905.8
62.5°	3263.6	3325.8	3553.9	3922.9	4590.6	5220.9	5577.6	5614.9	5291.4	5424.1	5237.5
65°	2612.5	2654.0	2981.6	3578.8	4623.8	6282.5	6423.5	6324.0	5855.4	5834.7	5739.3
67.5°	1455.6	1488.7	1712.7	2338.8	3893.9	6680.6	8244.0	7514.1	6730.4	6452.5	6419.4
70°	1148.7	1157.0	1186.0	1314.6	2160.5	5888.6	9678.8	9712.0	8161.1	7302.7	6564.5
72.5°	933.0	928.9	1016.0	1128.0	1277.2	3533.1	9226.8	10504.0	9255.8	7078.7	5718.5
75°	713.3	725.7	837.7	999.4	1169.4	1662.9	6883.8	8642.1	8671.1	6597.7	4822.8
77.5°	543.2	547.4	671.8	883.3	1144.5	1173.6	4491.1	6440.1	6469.1	5109.0	2658.1
80°	406.4	406.4	510.1	746.4	1115.5	1082.3	2766.0	4466.2	4043.2	1795.6	580.6
82.5°	232.2	248.8	340.0	568.1	1011.8	1040.9	1559.2	2558.6	1708.5	489.3	269.5
85°	124.4	128.6	207.3	381.5	833.5	995.3	1190.2	1273.1	680.1	261.3	124.4
87.5°	45.6	45.6	95.4	194.9	526.7	738.1	945.5	812.8	389.8	120.3	62.2
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°	3101.9	3101.9	3101.9	3101.9	3101.9	3101.9	3101.9	3101.9	3101.9	3101.9	3101.9
2.5°	3097.7	3081.1	3068.7	3081.1	3035.5	3014.8	3039.7	3027.2	3002.3	2989.9	2981.6
5°	3035.5	3014.8	2994.0	2981.6	2931.8	2882.1	2857.2	2807.4	2766.0	2778.4	2753.5
7.5°	2969.2	2948.4	2886.2	2828.2	2728.6	2629.1	2583.5	2513.0	2488.1	2467.4	2455.0
10°	2886.2	2848.9	2753.5	2637.4	2492.3	2380.3	2264.2	2181.3	2094.2	2056.9	2069.3
12.5°	2782.6	2761.8	2612.5	2434.2	2231.0	2044.4	1907.6	1774.9	1658.8	1596.5	1580.0
15°	2736.9	2674.7	2459.1	2222.7	1965.6	1733.4	1530.2	1298.0	1161.1	1094.8	1094.8
17.5°	2687.2	2571.1	2314.0	1990.5	1696.1	1397.5	1111.4	899.9	792.1	754.7	754.7
20°	2608.4	2479.8	2143.9	1770.7	1414.1	1053.3	796.2	680.1	646.9	622.0	626.2
22.5°	2550.3	2392.7	1986.4	1555.1	1119.7	783.8	626.2	588.9	576.4	568.1	572.3
25°	2484.0	2289.1	1820.5	1322.9	879.1	617.9	543.2	526.7	534.9	539.1	539.1
27.5°	2430.1	2202.0	1650.5	1074.0	663.5	522.5	489.3	485.2	501.8	510.1	514.2
30°	2392.7	2123.2	1484.6	846.0	530.8	464.5	447.9	447.9	468.6	476.9	481.0
32.5°	2355.4	2056.9	1306.3	646.9	452.0	414.7	410.5	414.7	427.1	427.1	431.3
35°	2367.9	1994.6	1136.2	522.5	406.4	381.5	381.5	381.5	385.7	389.8	389.8
37.5°	2392.7	1978.1	953.8	439.6	373.2	356.6	356.6	352.5	356.6	352.5	356.6
40°	2417.6	1953.2	787.9	389.8	352.5	340.0	335.9	327.6	323.5	323.5	327.6
42.5°	2521.3	1986.4	646.9	356.6	335.9	327.6	315.2	306.9	302.7	302.7	302.7
45°	2654.0	2048.6	534.9	340.0	323.5	302.7	294.4	290.3	282.0	286.1	290.3
47.5°	2853.1	2143.9	468.6	327.6	311.0	286.1	277.8	269.5	269.5	277.8	277.8
50°	3114.3	2301.5	427.1	315.2	298.6	273.7	261.3	257.1	257.1	269.5	269.5
52.5°	3396.3	2484.0	410.5	311.0	286.1	261.3	248.8	244.7	244.7	261.3	261.3
55°	3678.3	2707.9	423.0	311.0	277.8	248.8	236.4	228.1	232.2	244.7	244.7
57.5°	3989.3	2948.4	485.2	311.0	269.5	244.7	228.1	215.6	219.8	223.9	223.9
60°	4329.3	3263.6	593.0	311.0	265.4	236.4	215.6	199.1	199.1	203.2	203.2
62.5°	4673.5	3574.6	746.4	315.2	269.5	232.2	199.1	182.5	178.3	182.5	182.5
65°	5125.5	4072.2	899.9	315.2	282.0	223.9	186.6	165.9	161.7	161.7	165.9
67.5°	5760.0	4428.9	696.7	302.7	290.3	223.9	174.2	153.4	145.1	145.1	145.1
70°	5424.1	3736.3	443.7	282.0	277.8	232.2	165.9	141.0	132.7	128.6	128.6
72.5°	4644.5	2989.9	356.6	265.4	257.1	228.1	157.6	132.7	120.3	116.1	116.1
75°	3723.9	2359.6	311.0	240.5	223.9	190.8	145.1	120.3	112.0	103.7	103.7
77.5°	1824.6	987.0	236.4	211.5	190.8	145.1	128.6	112.0	99.5	91.2	91.2
80°	456.2	344.2	174.2	165.9	141.0	112.0	103.7	95.4	87.1	78.8	78.8
82.5°	244.7	203.2	124.4	112.0	95.4	78.8	78.8	74.6	70.5	62.2	58.1
85°	124.4	120.3	82.9	74.6	62.2	49.8	53.9	53.9	49.8	37.3	37.3
87.5°	66.4	66.4	41.5	33.2	29.0	24.9	24.9	24.9	20.7	16.6	16.6
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)