

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: P675630

Luminaire Tested: **CCW-SA-2E-840-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675630
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-840-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SL3 distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

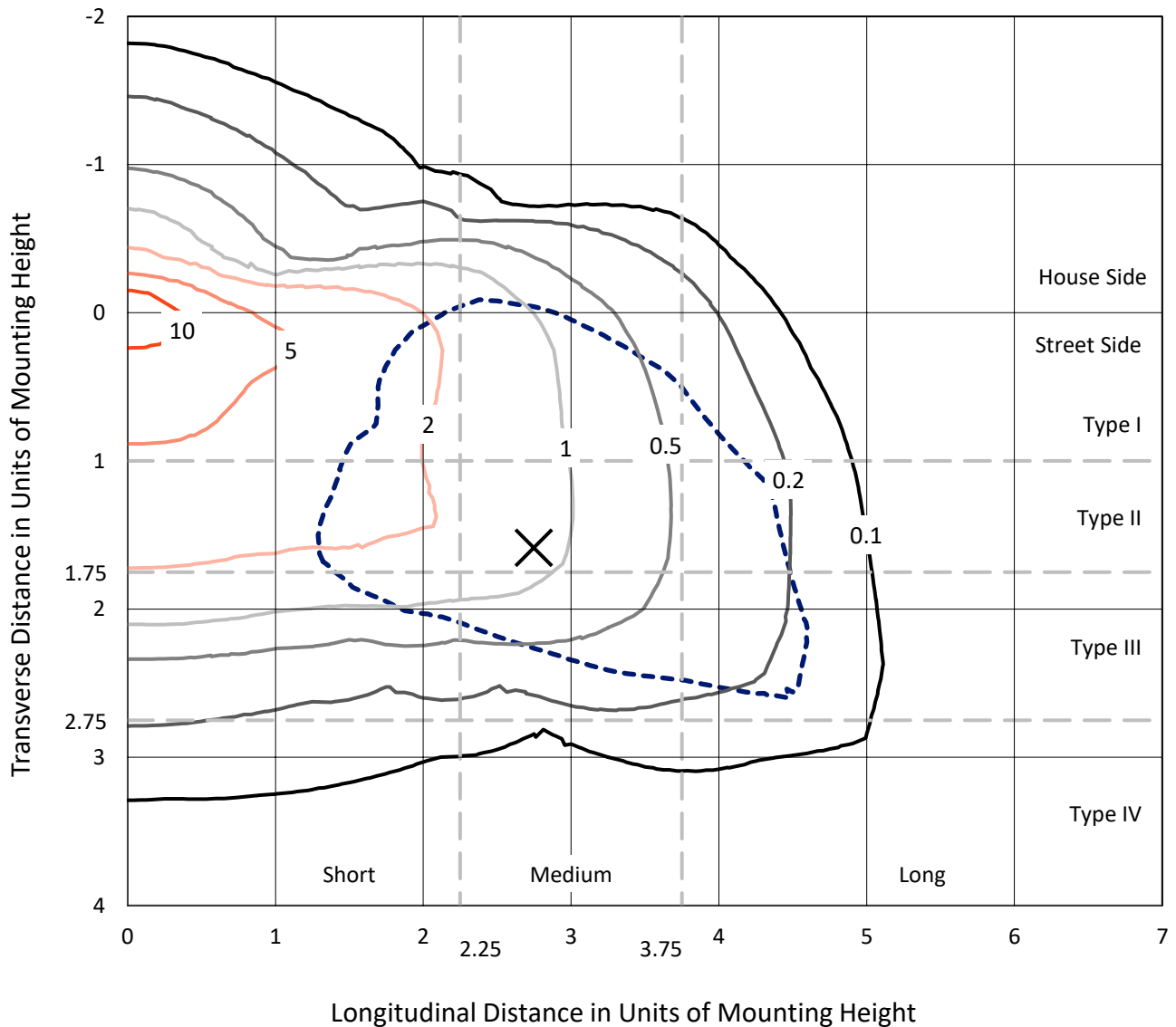
Lumens per Lamp: N/A
Luminaire Lumens: 11526.4 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

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

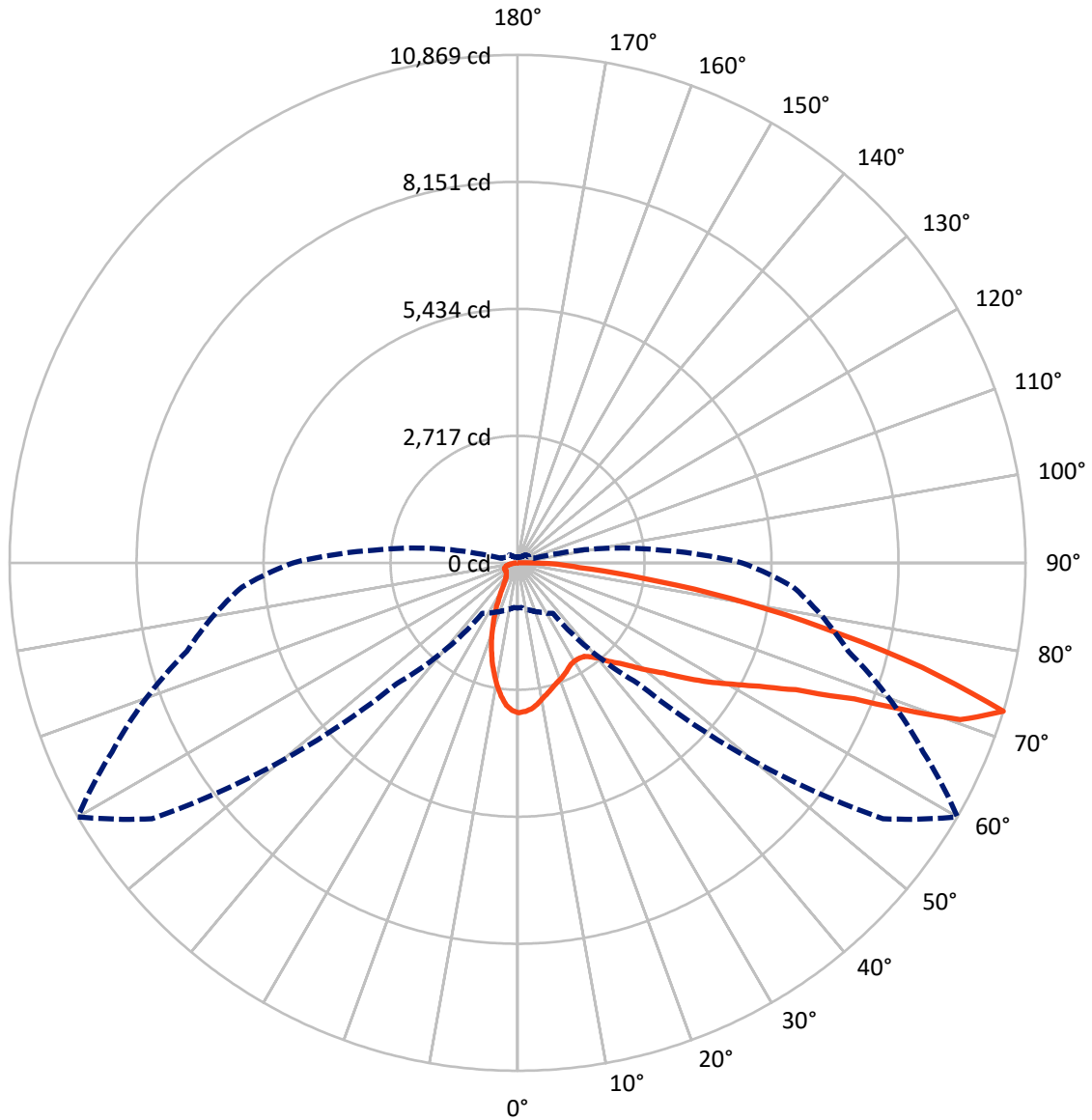
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 14.3 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	1980.0	0.0	1980.0
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	9546.3	0.0	9546.3
	% Fixture	82.8	0.0	82.8
Total	Lumens	11526.4	0.0	11526.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.2	2.4
10°-20°	630.8	5.5
20°-30°	807.3	7.0
30°-40°	1032.8	9.0
40°-50°	1416.5	12.3
50°-60°	2048.9	17.8
60°-70°	2810.7	24.4
70°-80°	2109.1	18.3
80°-90°	392.0	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°	11526.4	100.0
0°-180°	11526.4	100.0

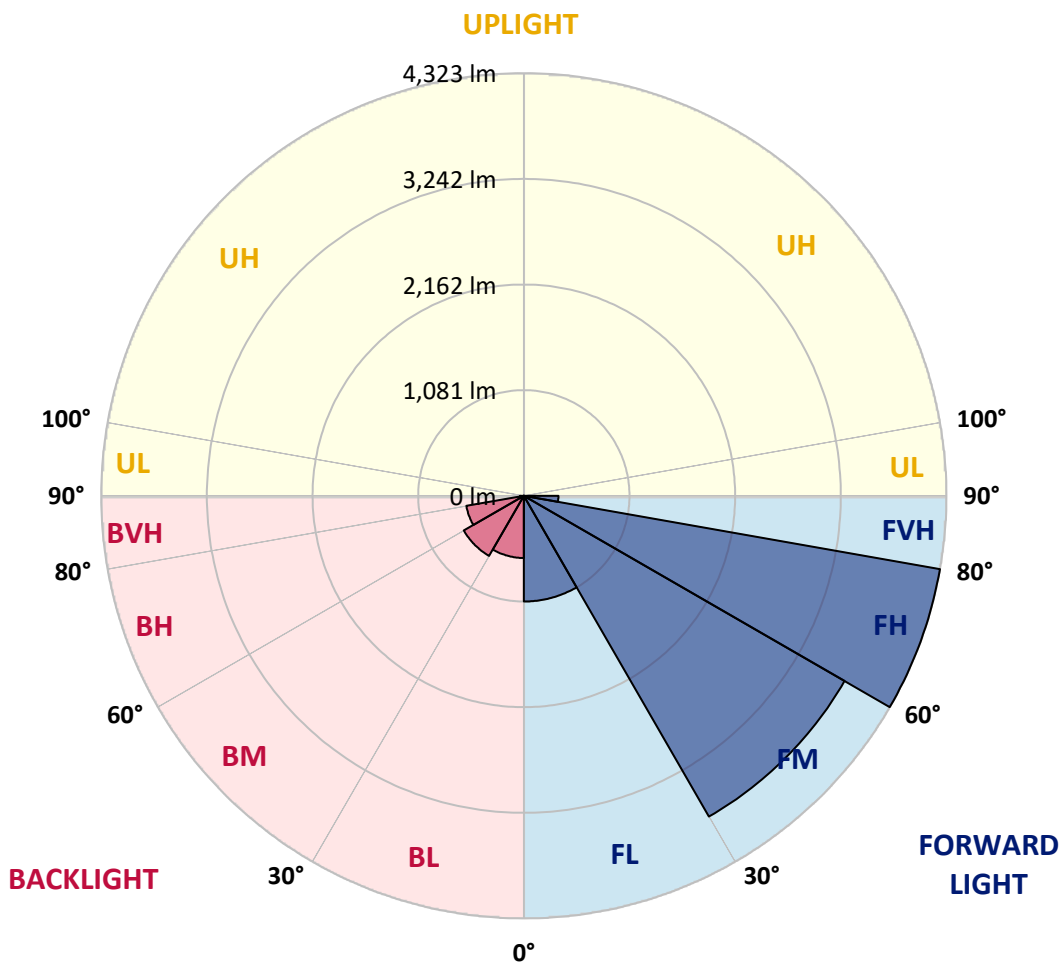


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1080.8	9.4			
FM (30°-60°)	3788.6	32.9			
FH (60°-80°)	4323.1	37.5			G2/5000
FVH (80°-90°)	353.8	3.1			G3/500
BL (0°-30°)	635.6	5.5	B2/1000		
BM (30°-60°)	709.6	6.2	B1/1000		
BH (60°-80°)	596.7	5.2	B2/1000		G2/1000
BVH (80°-90°)	38.2	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°	3209.5	3209.5	3209.5	3209.5	3209.5	3209.5	3209.5	3209.5	3209.5	3209.5	3209.5
2.5°	3140.9	3170.9	3179.5	3179.5	3205.2	3175.2	3218.1	3183.8	3192.4	3205.2	3196.7
5°	2990.7	3042.2	3012.1	3067.9	3046.5	3085.1	3136.6	3136.6	3123.7	3149.5	3128.0
7.5°	2844.8	2827.6	2879.1	2879.1	2913.5	2964.9	3007.9	3050.8	3055.1	3063.6	3059.3
10°	2647.4	2668.9	2694.6	2729.0	2771.9	2823.4	2913.5	2947.8	2956.4	3007.9	2995.0
12.5°	2484.4	2514.4	2531.6	2600.2	2638.8	2711.8	2814.8	2862.0	2866.3	2939.2	2939.2
15°	2364.2	2381.4	2420.0	2445.8	2531.6	2634.6	2733.2	2776.2	2823.4	2900.6	2879.1
17.5°	2282.7	2304.2	2321.3	2355.7	2437.2	2523.0	2677.5	2703.2	2759.0	2870.6	2844.8
20°	2235.5	2239.8	2265.5	2287.0	2359.9	2441.5	2578.8	2647.4	2720.4	2819.1	2793.3
22.5°	2244.1	2226.9	2222.6	2252.7	2265.5	2342.8	2510.1	2583.1	2686.0	2801.9	2759.0
25°	2261.3	2265.5	2257.0	2231.2	2235.5	2304.2	2415.7	2510.1	2626.0	2797.6	2711.8
27.5°	2304.2	2325.6	2291.3	2265.5	2239.8	2265.5	2381.4	2450.1	2578.8	2819.1	2707.5
30°	2347.1	2368.5	2359.9	2321.3	2269.8	2261.3	2342.8	2428.6	2553.0	2836.2	2707.5
32.5°	2411.4	2441.5	2411.4	2424.3	2364.2	2325.6	2355.7	2432.9	2578.8	2896.3	2711.8
35°	2484.4	2510.1	2518.7	2488.7	2475.8	2402.9	2420.0	2458.6	2604.5	2964.9	2754.7
37.5°	2565.9	2595.9	2621.7	2626.0	2583.1	2540.2	2531.6	2553.0	2668.9	3085.1	2801.9
40°	2621.7	2638.8	2690.3	2733.2	2746.1	2686.0	2681.8	2681.8	2784.7	3192.4	2887.7
42.5°	2716.1	2707.5	2780.4	2857.7	2879.1	2844.8	2853.4	2887.7	2947.8	3346.8	3025.0
45°	2763.3	2754.7	2840.5	2969.2	3067.9	3050.8	3059.3	3072.2	3128.0	3591.4	3256.7
47.5°	2827.6	2836.2	2960.7	3106.5	3209.5	3269.6	3316.8	3312.5	3355.4	3840.3	3514.2
50°	2892.0	2909.2	3059.3	3213.8	3394.0	3497.0	3565.7	3612.9	3655.8	4102.0	3810.2
52.5°	3016.4	3033.6	3200.9	3368.3	3600.0	3750.2	3921.8	3917.5	3921.8	4363.8	4106.3
55°	3196.7	3200.9	3299.6	3492.7	3805.9	4080.6	4316.6	4342.3	4269.4	4689.9	4445.3
57.5°	3402.6	3419.8	3505.6	3651.5	3969.0	4398.1	4758.5	4810.0	4612.6	4955.9	4754.2
60°	3595.7	3608.6	3741.6	3908.9	4252.2	4797.1	5204.8	5264.8	5050.3	5282.0	5076.0
62.5°	3376.9	3441.2	3677.2	4059.1	4749.9	5402.1	5771.1	5809.8	5475.1	5612.4	5419.3
65°	2703.2	2746.1	3085.1	3703.0	4784.3	6500.6	6646.5	6543.5	6058.6	6037.2	5938.5
67.5°	1506.1	1540.4	1772.1	2420.0	4029.1	6912.5	8530.1	7774.9	6964.0	6676.5	6642.2
70°	1188.6	1197.1	1227.2	1360.2	2235.5	6093.0	10014.8	10049.1	8444.3	7556.1	6792.4
72.5°	965.4	961.1	1051.2	1167.1	1321.6	3655.8	9547.1	10868.6	9577.1	7324.4	5917.0
75°	738.0	750.9	866.7	1034.1	1210.0	1720.6	7122.7	8942.0	8972.1	6826.7	4990.2
77.5°	562.1	566.4	695.1	913.9	1184.3	1214.3	4646.9	6663.6	6693.7	5286.3	2750.4
80°	420.5	420.5	527.8	772.3	1154.2	1119.9	2862.0	4621.2	4183.5	1857.9	600.7
82.5°	240.3	257.4	351.8	587.8	1047.0	1077.0	1613.3	2647.4	1767.8	506.3	278.9
85°	128.7	133.0	214.5	394.8	862.5	1029.8	1231.5	1317.3	703.7	270.3	128.7
87.5°	47.2	47.2	98.7	201.7	544.9	763.8	978.3	841.0	403.3	124.4	64.4
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°	3209.5	3209.5	3209.5	3209.5	3209.5	3209.5	3209.5	3209.5	3209.5	3209.5	3209.5
2.5°	3205.2	3188.1	3175.2	3188.1	3140.9	3119.4	3145.2	3132.3	3106.5	3093.7	3085.1
5°	3140.9	3119.4	3098.0	3085.1	3033.6	2982.1	2956.4	2904.9	2862.0	2874.8	2849.1
7.5°	3072.2	3050.8	2986.4	2926.3	2823.4	2720.4	2673.2	2600.2	2574.5	2553.0	2540.2
10°	2986.4	2947.8	2849.1	2729.0	2578.8	2462.9	2342.8	2257.0	2166.9	2128.2	2141.1
12.5°	2879.1	2857.7	2703.2	2518.7	2308.5	2115.4	1973.8	1836.5	1716.3	1652.0	1634.8
15°	2831.9	2767.6	2544.5	2299.9	2033.8	1793.6	1583.3	1343.0	1201.4	1132.8	1132.8
17.5°	2780.4	2660.3	2394.3	2059.6	1754.9	1446.0	1149.9	931.1	819.5	780.9	780.9
20°	2698.9	2565.9	2218.3	1832.2	1463.2	1089.9	823.8	703.7	669.4	643.6	647.9
22.5°	2638.8	2475.8	2055.3	1609.1	1158.5	811.0	647.9	609.3	596.4	587.8	592.1
25°	2570.2	2368.5	1883.7	1368.8	909.7	639.3	562.1	544.9	553.5	557.8	557.8
27.5°	2514.4	2278.4	1707.7	1111.3	686.5	540.6	506.3	502.0	519.2	527.8	532.1
30°	2475.8	2196.9	1536.1	875.3	549.2	480.6	463.4	463.4	484.9	493.4	497.7
32.5°	2437.2	2128.2	1351.6	669.4	467.7	429.1	424.8	429.1	442.0	442.0	446.2
35°	2450.1	2063.9	1175.7	540.6	420.5	394.8	394.8	394.8	399.0	403.3	403.3
37.5°	2475.8	2046.7	986.9	454.8	386.2	369.0	369.0	364.7	369.0	364.7	369.0
40°	2501.5	2021.0	815.3	403.3	364.7	351.8	347.6	339.0	334.7	334.7	339.0
42.5°	2608.8	2055.3	669.4	369.0	347.6	339.0	326.1	317.5	313.2	313.2	313.2
45°	2746.1	2119.7	553.5	351.8	334.7	313.2	304.6	300.4	291.8	296.1	300.4
47.5°	2952.1	2218.3	484.9	339.0	321.8	296.1	287.5	278.9	278.9	287.5	287.5
50°	3222.4	2381.4	442.0	326.1	308.9	283.2	270.3	266.0	266.0	278.9	278.9
52.5°	3514.2	2570.2	424.8	321.8	296.1	270.3	257.4	253.2	253.2	270.3	270.3
55°	3805.9	2801.9	437.7	321.8	287.5	257.4	244.6	236.0	240.3	253.2	253.2
57.5°	4127.8	3050.8	502.0	321.8	278.9	253.2	236.0	223.1	227.4	231.7	231.7
60°	4479.6	3376.9	613.6	321.8	274.6	244.6	223.1	206.0	206.0	210.2	210.2
62.5°	4835.7	3698.7	772.3	326.1	278.9	240.3	206.0	188.8	184.5	188.8	188.8
65°	5303.4	4213.6	931.1	326.1	291.8	231.7	193.1	171.6	167.3	167.3	171.6
67.5°	5959.9	4582.6	720.9	313.2	300.4	231.7	180.2	158.8	150.2	150.2	150.2
70°	5612.4	3866.0	459.1	291.8	287.5	240.3	171.6	145.9	137.3	133.0	133.0
72.5°	4805.7	3093.7	369.0	274.6	266.0	236.0	163.1	137.3	124.4	120.1	120.1
75°	3853.1	2441.5	321.8	248.9	231.7	197.4	150.2	124.4	115.9	107.3	107.3
77.5°	1888.0	1021.2	244.6	218.8	197.4	150.2	133.0	115.9	103.0	94.4	94.4
80°	472.0	356.1	180.2	171.6	145.9	115.9	107.3	98.7	90.1	81.5	81.5
82.5°	253.2	210.2	128.7	115.9	98.7	81.5	81.5	77.2	72.9	64.4	60.1
85°	128.7	124.4	85.8	77.2	64.4	51.5	55.8	55.8	51.5	38.6	38.6
87.5°	68.7	68.7	42.9	34.3	30.0	25.7	25.7	25.7	21.5	17.2	17.2
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)