

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: P675552

Luminaire Tested: **CCW-SA-2D-735-U-SL3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675552  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2D-735-U-SL3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/  
SL3 distribution lens  
Light Source: (32) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

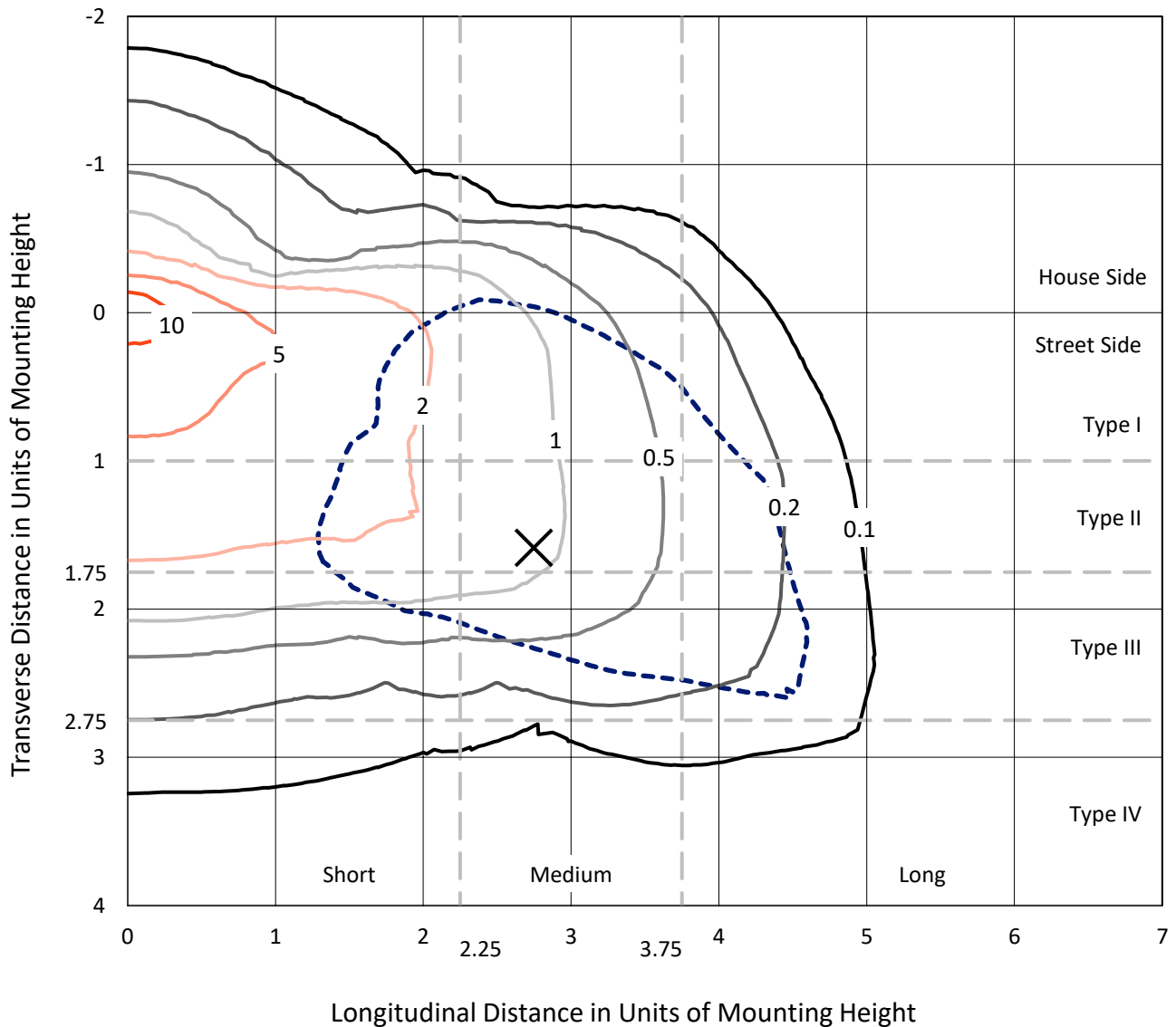
Lumens per Lamp: N/A  
Luminaire Lumens: 10876.1 lumens  
Efficiency: N/A  
Efficacy: 134.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

Input Watts (W): 80.8  
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

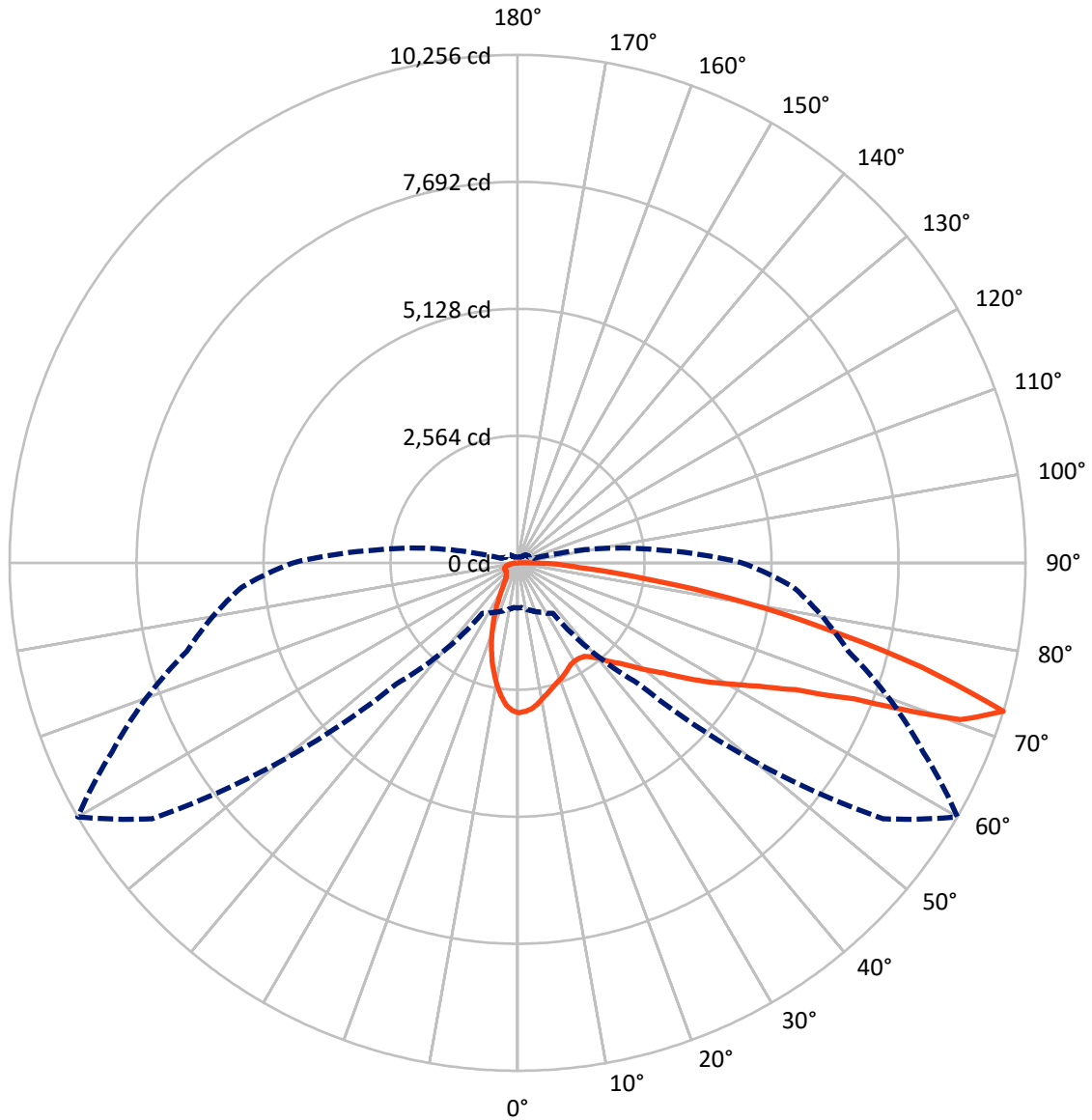
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13.5 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
<b>House Side</b>	Lumens	1868.3	0.0	1868.3
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	9007.8	0.0	9007.8
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	10876.1	0.0	10876.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.5	2.4
10°-20°	595.2	5.5
20°-30°	761.8	7.0
30°-40°	974.6	9.0
40°-50°	1336.6	12.3
50°-60°	1933.3	17.8
60°-70°	2652.1	24.4
70°-80°	1990.1	18.3
80°-90°	369.9	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°	10876.1	100.0
0°-180°	10876.1	100.0

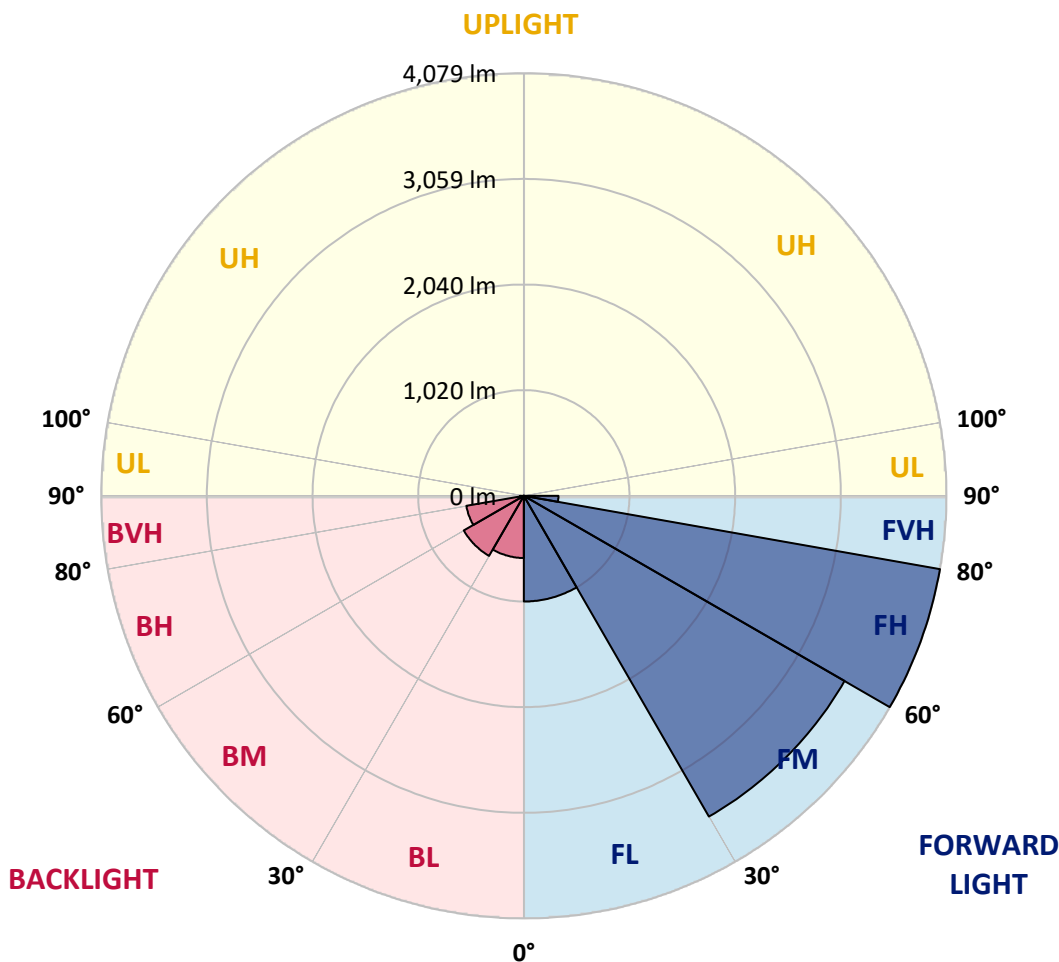


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1019.8	9.4			
FM (30°-60°)	3574.9	32.9			
FH (60°-80°)	4079.2	37.5			G2/5000
FVH (80°-90°)	333.9	3.1			G3/500
BL (0°-30°)	599.7	5.5	B2/1000		
BM (30°-60°)	669.5	6.2	B1/1000		
BH (60°-80°)	563.0	5.2	B2/1000		G2/1000
BVH (80°-90°)	36.0	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°	3028.5	3028.5	3028.5	3028.5	3028.5	3028.5	3028.5	3028.5	3028.5	3028.5	3028.5
2.5°	2963.7	2992.0	3000.1	3000.1	3024.4	2996.1	3036.6	3004.2	3012.3	3024.4	3016.3
5°	2822.0	2870.6	2842.2	2894.9	2874.6	2911.0	2959.6	2959.6	2947.5	2971.8	2951.5
7.5°	2684.3	2668.1	2716.7	2716.7	2749.1	2797.7	2838.2	2878.7	2882.7	2890.8	2886.8
10°	2498.1	2518.3	2542.6	2575.0	2615.5	2664.1	2749.1	2781.5	2789.6	2838.2	2826.0
12.5°	2344.2	2372.6	2388.8	2453.5	2490.0	2558.8	2656.0	2700.5	2704.6	2773.4	2773.4
15°	2230.9	2247.1	2283.5	2307.8	2388.8	2485.9	2579.1	2619.5	2664.1	2737.0	2716.7
17.5°	2153.9	2174.2	2190.4	2222.8	2299.7	2380.7	2526.4	2550.7	2603.3	2708.6	2684.3
20°	2109.4	2113.4	2137.7	2158.0	2226.8	2303.7	2433.3	2498.1	2566.9	2660.0	2635.7
22.5°	2117.5	2101.3	2097.3	2125.6	2137.7	2210.6	2368.5	2437.3	2534.5	2643.8	2603.3
25°	2133.7	2137.7	2129.6	2105.3	2109.4	2174.2	2279.4	2368.5	2477.8	2639.8	2558.8
27.5°	2174.2	2194.4	2162.0	2137.7	2113.4	2137.7	2247.1	2311.8	2433.3	2660.0	2554.8
30°	2214.7	2234.9	2226.8	2190.4	2141.8	2133.7	2210.6	2291.6	2409.0	2676.2	2554.8
32.5°	2275.4	2303.7	2275.4	2287.5	2230.9	2194.4	2222.8	2295.6	2433.3	2732.9	2558.8
35°	2344.2	2368.5	2376.6	2348.3	2336.1	2267.3	2283.5	2319.9	2457.6	2797.7	2599.3
37.5°	2421.2	2449.5	2473.8	2477.8	2437.3	2396.9	2388.8	2409.0	2518.3	2911.0	2643.8
40°	2473.8	2490.0	2538.6	2579.1	2591.2	2534.5	2530.5	2530.5	2627.6	3012.3	2724.8
42.5°	2562.9	2554.8	2623.6	2696.5	2716.7	2684.3	2692.4	2724.8	2781.5	3158.0	2854.4
45°	2607.4	2599.3	2680.3	2801.7	2894.9	2878.7	2886.8	2898.9	2951.5	3388.8	3073.0
47.5°	2668.1	2676.2	2793.6	2931.3	3028.5	3085.1	3129.7	3125.6	3166.1	3623.6	3315.9
50°	2728.9	2745.0	2886.8	3032.5	3202.6	3299.7	3364.5	3409.0	3449.5	3870.6	3595.3
52.5°	2846.3	2862.5	3020.4	3178.3	3396.9	3538.6	3700.6	3696.5	3700.6	4117.6	3874.6
55°	3016.3	3020.4	3113.5	3295.7	3591.2	3850.4	4073.0	4097.3	4028.5	4425.3	4194.5
57.5°	3210.7	3226.9	3307.8	3445.5	3745.1	4150.0	4490.1	4538.6	4352.4	4676.3	4486.0
60°	3392.8	3405.0	3530.5	3688.4	4012.3	4526.5	4911.1	4967.8	4765.4	4984.0	4789.7
62.5°	3186.4	3247.1	3469.8	3830.1	4482.0	5097.4	5445.6	5482.0	5166.2	5295.8	5113.6
65°	2550.7	2591.2	2911.0	3494.1	4514.4	6133.9	6271.5	6174.3	5716.8	5696.6	5603.5
67.5°	1421.1	1453.5	1672.1	2283.5	3801.8	6522.5	8048.9	7336.3	6571.1	6299.8	6267.5
70°	1121.5	1129.6	1157.9	1283.5	2109.4	5749.2	9449.8	9482.2	7967.9	7129.8	6409.2
72.5°	911.0	906.9	991.9	1101.3	1247.0	3449.5	9008.5	10255.5	9036.8	6911.2	5583.2
75°	696.4	708.5	817.8	975.7	1141.7	1623.5	6720.9	8437.6	8465.9	6441.6	4708.7
77.5°	530.4	534.4	655.9	862.4	1117.5	1145.8	4384.8	6287.7	6316.0	4988.1	2595.2
80°	396.8	396.8	498.0	728.8	1089.1	1056.7	2700.5	4360.5	3947.5	1753.1	566.8
82.5°	226.7	242.9	332.0	554.7	987.9	1016.2	1522.3	2498.1	1668.1	477.8	263.2
85°	121.5	125.5	202.4	372.5	813.8	971.7	1162.0	1243.0	664.0	255.1	121.5
87.5°	44.5	44.5	93.1	190.3	514.2	720.7	923.1	793.6	380.6	117.4	60.7
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°	3028.5	3028.5	3028.5	3028.5	3028.5	3028.5	3028.5	3028.5	3028.5	3028.5	3028.5
2.5°	3024.4	3008.2	2996.1	3008.2	2963.7	2943.4	2967.7	2955.6	2931.3	2919.1	2911.0
5°	2963.7	2943.4	2923.2	2911.0	2862.5	2813.9	2789.6	2741.0	2700.5	2712.7	2688.4
7.5°	2898.9	2878.7	2817.9	2761.2	2664.1	2566.9	2522.4	2453.5	2429.2	2409.0	2396.9
10°	2817.9	2781.5	2688.4	2575.0	2433.3	2324.0	2210.6	2129.6	2044.6	2008.2	2020.3
12.5°	2716.7	2696.5	2550.7	2376.6	2178.2	1996.0	1862.4	1732.9	1619.5	1558.8	1542.6
15°	2672.2	2611.4	2400.9	2170.1	1919.1	1692.4	1494.0	1267.3	1133.6	1068.9	1068.9
17.5°	2623.6	2510.2	2259.2	1943.4	1655.9	1364.4	1085.1	878.6	773.3	736.9	736.9
20°	2546.7	2421.2	2093.2	1728.8	1380.6	1028.4	777.4	664.0	631.6	607.3	611.4
22.5°	2490.0	2336.1	1939.3	1518.3	1093.2	765.2	611.4	574.9	562.8	554.7	558.7
25°	2425.2	2234.9	1777.4	1291.5	858.3	603.3	530.4	514.2	522.3	526.3	526.3
27.5°	2372.6	2149.9	1611.4	1048.6	647.8	510.1	477.8	473.7	489.9	498.0	502.0
30°	2336.1	2073.0	1449.5	825.9	518.2	453.5	437.3	437.3	457.5	465.6	469.7
32.5°	2299.7	2008.2	1275.4	631.6	441.3	404.9	400.8	404.9	417.0	417.0	421.1
35°	2311.8	1947.4	1109.4	510.1	396.8	372.5	372.5	372.5	376.5	380.6	380.6
37.5°	2336.1	1931.3	931.2	429.2	364.4	348.2	348.2	344.1	348.2	344.1	348.2
40°	2360.4	1907.0	769.3	380.6	344.1	332.0	327.9	319.9	315.8	315.8	319.9
42.5°	2461.6	1939.3	631.6	348.2	327.9	319.9	307.7	299.6	295.6	295.6	295.6
45°	2591.2	2000.1	522.3	332.0	315.8	295.6	287.5	283.4	275.3	279.4	283.4
47.5°	2785.5	2093.2	457.5	319.9	303.7	279.4	271.3	263.2	263.2	271.3	271.3
50°	3040.6	2247.1	417.0	307.7	291.5	267.2	255.1	251.0	251.0	263.2	263.2
52.5°	3315.9	2425.2	400.8	303.7	279.4	255.1	242.9	238.9	238.9	255.1	255.1
55°	3591.2	2643.8	413.0	303.7	271.3	242.9	230.8	222.7	226.7	238.9	238.9
57.5°	3894.9	2878.7	473.7	303.7	263.2	238.9	222.7	210.5	214.6	218.6	218.6
60°	4226.9	3186.4	579.0	303.7	259.1	230.8	210.5	194.3	194.3	198.4	198.4
62.5°	4562.9	3490.0	728.8	307.7	263.2	226.7	194.3	178.1	174.1	178.1	178.1
65°	5004.2	3975.9	878.6	307.7	275.3	218.6	182.2	161.9	157.9	157.9	161.9
67.5°	5623.7	4324.1	680.2	295.6	283.4	218.6	170.0	149.8	141.7	141.7	141.7
70°	5295.8	3647.9	433.2	275.3	271.3	226.7	161.9	137.7	129.6	125.5	125.5
72.5°	4534.6	2919.1	348.2	259.1	251.0	222.7	153.9	129.6	117.4	113.4	113.4
75°	3635.8	2303.7	303.7	234.8	218.6	186.2	141.7	117.4	109.3	101.2	101.2
77.5°	1781.4	963.6	230.8	206.5	186.2	141.7	125.5	109.3	97.2	89.1	89.1
80°	445.4	336.0	170.0	161.9	137.7	109.3	101.2	93.1	85.0	76.9	76.9
82.5°	238.9	198.4	121.5	109.3	93.1	76.9	76.9	72.9	68.8	60.7	56.7
85°	121.5	117.4	81.0	72.9	60.7	48.6	52.6	52.6	48.6	36.4	36.4
87.5°	64.8	64.8	40.5	32.4	28.3	24.3	24.3	24.3	20.2	16.2	16.2
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)