

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: P675541

Luminaire Tested: **CCW-SA-2D-730-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675541
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-730-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
SL3 distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

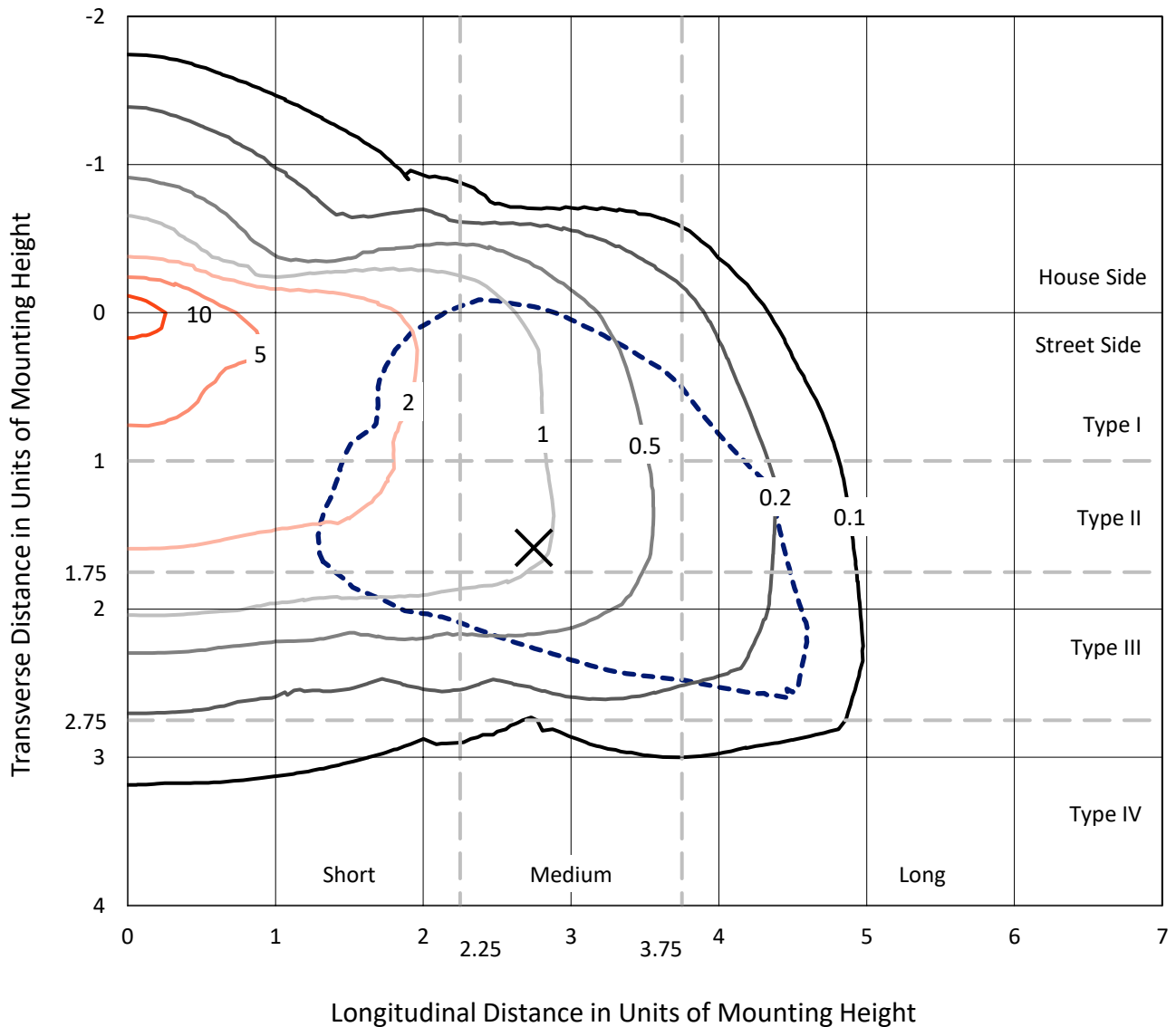
Lumens per Lamp: N/A
Luminaire Lumens: 10041.4 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

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

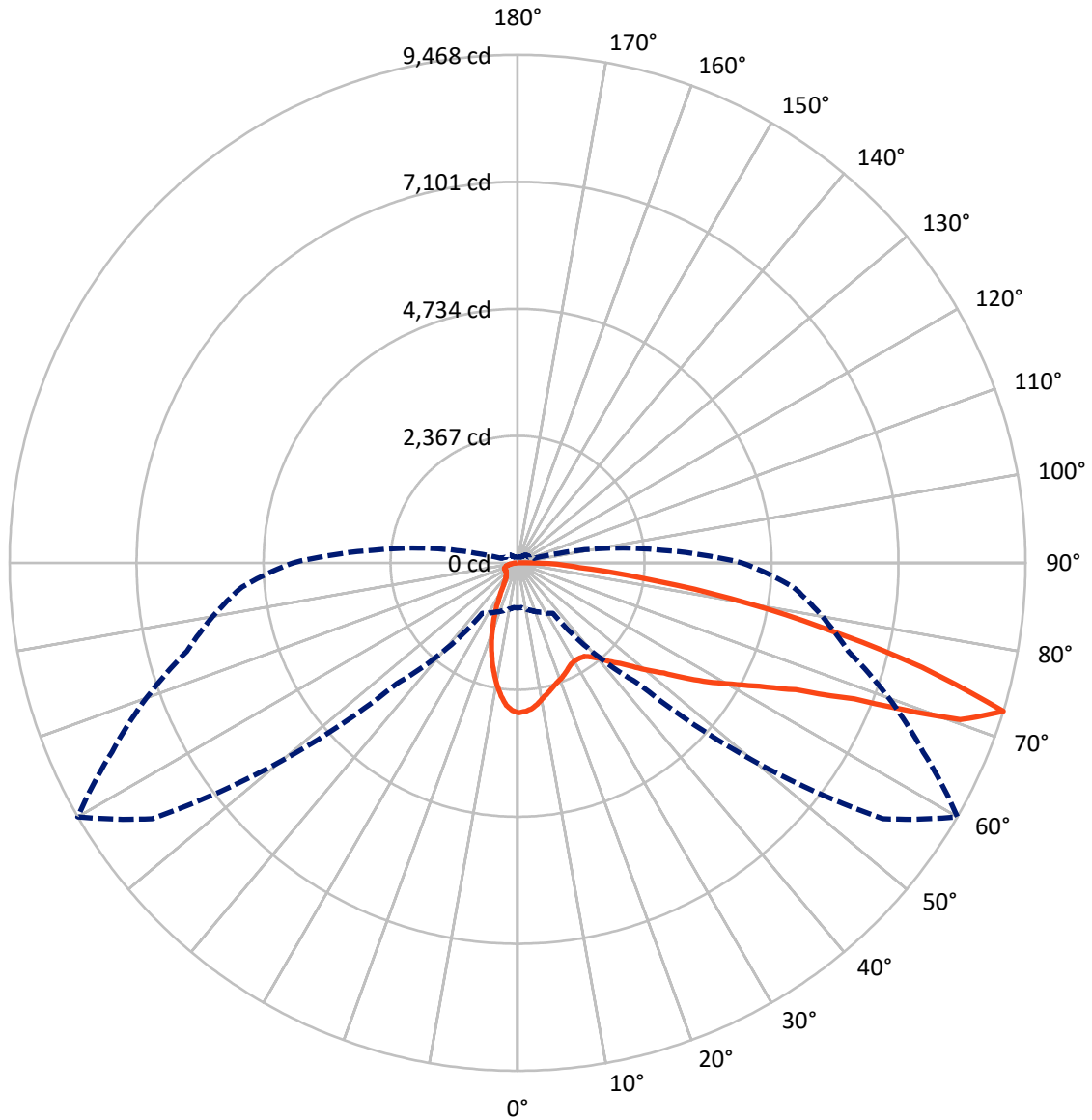
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12.4 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	1724.9	0.0	1724.9
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	8316.4	0.0	8316.4
	% Fixture	82.8	0.0	82.8
Total	Lumens	10041.4	0.0	10041.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.3	2.4
10°-20°	549.6	5.5
20°-30°	703.3	7.0
30°-40°	899.8	9.0
40°-50°	1234.0	12.3
50°-60°	1784.9	17.8
60°-70°	2448.6	24.4
70°-80°	1837.4	18.3
80°-90°	341.5	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°	10041.4	100.0
0°-180°	10041.4	100.0

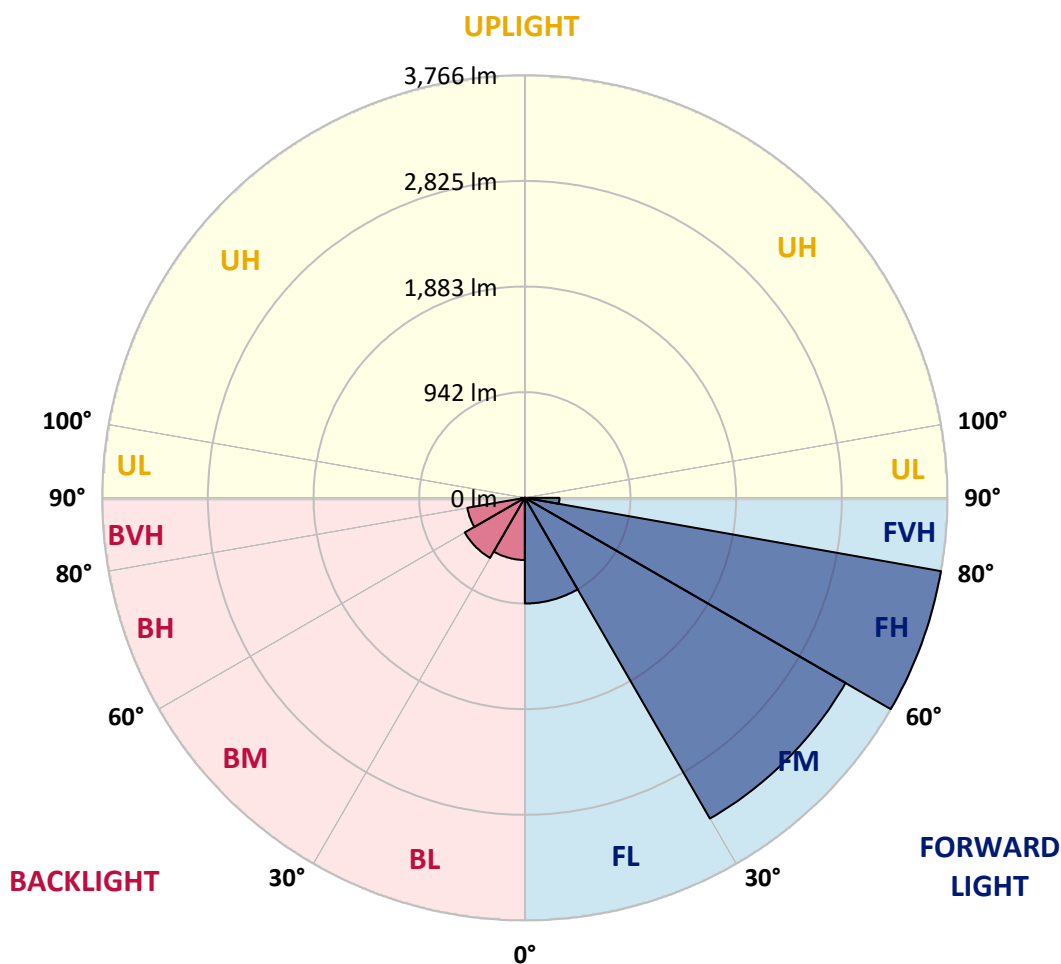


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	941.5	9.4			
FM (30°-60°)	3300.5	32.9			
FH (60°-80°)	3766.1	37.5			G2/5000
FVH (80°-90°)	308.2	3.1			G3/500
BL (0°-30°)	553.7	5.5	B2/1000		
BM (30°-60°)	618.2	6.2	B1/1000		
BH (60°-80°)	519.8	5.2	B2/1000		G2/1000
BVH (80°-90°)	33.3	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°	2796.0	2796.0	2796.0	2796.0	2796.0	2796.0	2796.0	2796.0	2796.0	2796.0	2796.0
2.5°	2736.2	2762.4	2769.9	2769.9	2792.3	2766.1	2803.5	2773.6	2781.1	2792.3	2784.8
5°	2605.4	2650.2	2624.1	2672.7	2654.0	2687.6	2732.5	2732.5	2721.3	2743.7	2725.0
7.5°	2478.3	2463.3	2508.2	2508.2	2538.1	2583.0	2620.3	2657.7	2661.5	2668.9	2665.2
10°	2306.3	2325.0	2347.5	2377.4	2414.7	2459.6	2538.1	2568.0	2575.5	2620.3	2609.1
12.5°	2164.3	2190.5	2205.4	2265.2	2298.9	2362.4	2452.1	2493.2	2497.0	2560.5	2560.5
15°	2059.6	2074.6	2108.2	2130.7	2205.4	2295.1	2381.1	2418.5	2459.6	2526.9	2508.2
17.5°	1988.6	2007.3	2022.3	2052.2	2123.2	2197.9	2332.5	2354.9	2403.5	2500.7	2478.3
20°	1947.5	1951.2	1973.7	1992.4	2055.9	2126.9	2246.5	2306.3	2369.9	2455.9	2433.4
22.5°	1955.0	1940.0	1936.3	1962.4	1973.7	2040.9	2186.7	2250.3	2340.0	2440.9	2403.5
25°	1969.9	1973.7	1966.2	1943.8	1947.5	2007.3	2104.5	2186.7	2287.7	2437.2	2362.4
27.5°	2007.3	2026.0	1996.1	1973.7	1951.2	1973.7	2074.6	2134.4	2246.5	2455.9	2358.7
30°	2044.7	2063.4	2055.9	2022.3	1977.4	1969.9	2040.9	2115.7	2224.1	2470.8	2358.7
32.5°	2100.8	2126.9	2100.8	2112.0	2059.6	2026.0	2052.2	2119.4	2246.5	2523.1	2362.4
35°	2164.3	2186.7	2194.2	2168.0	2156.8	2093.3	2108.2	2141.9	2269.0	2583.0	2399.8
37.5°	2235.3	2261.5	2283.9	2287.7	2250.3	2212.9	2205.4	2224.1	2325.0	2687.6	2440.9
40°	2283.9	2298.9	2343.7	2381.1	2392.3	2340.0	2336.2	2336.2	2426.0	2781.1	2515.7
42.5°	2366.2	2358.7	2422.2	2489.5	2508.2	2478.3	2485.8	2515.7	2568.0	2915.6	2635.3
45°	2407.3	2399.8	2474.6	2586.7	2672.7	2657.7	2665.2	2676.4	2725.0	3128.7	2837.1
47.5°	2463.3	2470.8	2579.2	2706.3	2796.0	2848.4	2889.5	2885.7	2923.1	3345.5	3061.4
50°	2519.4	2534.4	2665.2	2799.8	2956.8	3046.5	3106.3	3147.4	3184.8	3573.5	3319.3
52.5°	2627.8	2642.8	2788.5	2934.3	3136.2	3267.0	3416.5	3412.8	3416.5	3801.5	3577.3
55°	2784.8	2788.5	2874.5	3042.7	3315.6	3554.8	3760.4	3782.9	3719.3	4085.6	3872.6
57.5°	2964.2	2979.2	3053.9	3181.0	3457.6	3831.4	4145.4	4190.3	4018.3	4317.4	4141.7
60°	3132.4	3143.7	3259.5	3405.3	3704.4	4179.1	4534.2	4586.5	4399.6	4601.5	4422.1
62.5°	2941.8	2997.9	3203.5	3536.1	4138.0	4706.1	5027.6	5061.3	4769.7	4889.3	4721.1
65°	2354.9	2392.3	2687.6	3225.9	4167.9	5663.1	5790.2	5700.4	5278.1	5259.4	5173.4
67.5°	1312.0	1341.9	1543.8	2108.2	3510.0	6021.9	7431.1	6773.3	6066.8	5816.3	5786.4
70°	1035.4	1042.9	1069.1	1184.9	1947.5	5308.0	8724.5	8754.4	7356.4	6582.6	5917.3
72.5°	841.0	837.3	915.8	1016.7	1151.3	3184.8	8317.0	9468.4	8343.2	6380.8	5154.7
75°	642.9	654.1	755.1	900.9	1054.1	1498.9	6205.1	7790.0	7816.2	5947.2	4347.3
77.5°	489.7	493.4	605.6	796.2	1031.7	1057.9	4048.3	5805.1	5831.3	4605.2	2396.1
80°	366.3	366.3	459.8	672.8	1005.5	975.6	2493.2	4025.8	3644.5	1618.6	523.3
82.5°	209.3	224.3	306.5	512.1	912.1	938.2	1405.5	2306.3	1540.1	441.1	243.0
85°	112.1	115.9	186.9	343.9	751.3	897.1	1072.8	1147.6	613.0	235.5	112.1
87.5°	41.1	41.1	86.0	175.7	474.7	665.4	852.3	732.6	351.4	108.4	56.1
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°	2796.0	2796.0	2796.0	2796.0	2796.0	2796.0	2796.0	2796.0	2796.0	2796.0	2796.0
2.5°	2792.3	2777.3	2766.1	2777.3	2736.2	2717.5	2740.0	2728.7	2706.3	2695.1	2687.6
5°	2736.2	2717.5	2698.8	2687.6	2642.8	2597.9	2575.5	2530.6	2493.2	2504.5	2482.0
7.5°	2676.4	2657.7	2601.6	2549.3	2459.6	2369.9	2328.8	2265.2	2242.8	2224.1	2212.9
10°	2601.6	2568.0	2482.0	2377.4	2246.5	2145.6	2040.9	1966.2	1887.7	1854.0	1865.3
12.5°	2508.2	2489.5	2354.9	2194.2	2011.0	1842.8	1719.5	1599.9	1495.2	1439.1	1424.2
15°	2467.1	2411.0	2216.6	2003.6	1771.8	1562.5	1379.3	1170.0	1046.6	986.8	986.8
17.5°	2422.2	2317.6	2085.8	1794.2	1528.8	1259.7	1001.8	811.1	714.0	680.3	680.3
20°	2351.2	2235.3	1932.5	1596.1	1274.7	949.5	717.7	613.0	583.1	560.7	564.4
22.5°	2298.9	2156.8	1790.5	1401.7	1009.3	706.5	564.4	530.8	519.6	512.1	515.8
25°	2239.1	2063.4	1641.0	1192.4	792.5	557.0	489.7	474.7	482.2	485.9	485.9
27.5°	2190.5	1984.9	1487.7	968.1	598.1	471.0	441.1	437.3	452.3	459.8	463.5
30°	2156.8	1913.9	1338.2	762.6	478.5	418.7	403.7	403.7	422.4	429.9	433.6
32.5°	2123.2	1854.0	1177.5	583.1	407.4	373.8	370.1	373.8	385.0	385.0	388.8
35°	2134.4	1798.0	1024.2	471.0	366.3	343.9	343.9	343.9	347.6	351.4	351.4
37.5°	2156.8	1783.0	859.7	396.2	336.4	321.5	321.5	317.7	321.5	317.7	321.5
40°	2179.3	1760.6	710.2	351.4	317.7	306.5	302.8	295.3	291.6	291.6	295.3
42.5°	2272.7	1790.5	583.1	321.5	302.8	295.3	284.1	276.6	272.9	272.9	272.9
45°	2392.3	1846.6	482.2	306.5	291.6	272.9	265.4	261.7	254.2	257.9	261.7
47.5°	2571.7	1932.5	422.4	295.3	280.3	257.9	250.4	243.0	243.0	250.4	250.4
50°	2807.2	2074.6	385.0	284.1	269.1	246.7	235.5	231.8	231.8	243.0	243.0
52.5°	3061.4	2239.1	370.1	280.3	257.9	235.5	224.3	220.5	220.5	235.5	235.5
55°	3315.6	2440.9	381.3	280.3	250.4	224.3	213.1	205.6	209.3	220.5	220.5
57.5°	3596.0	2657.7	437.3	280.3	243.0	220.5	205.6	194.4	198.1	201.9	201.9
60°	3902.5	2941.8	534.5	280.3	239.2	213.1	194.4	179.4	179.4	183.2	183.2
62.5°	4212.7	3222.2	672.8	284.1	243.0	209.3	179.4	164.5	160.7	164.5	164.5
65°	4620.2	3670.7	811.1	284.1	254.2	201.9	168.2	149.5	145.8	145.8	149.5
67.5°	5192.1	3992.2	628.0	272.9	261.7	201.9	157.0	138.3	130.8	130.8	130.8
70°	4889.3	3367.9	400.0	254.2	250.4	209.3	149.5	127.1	119.6	115.9	115.9
72.5°	4186.6	2695.1	321.5	239.2	231.8	205.6	142.0	119.6	108.4	104.7	104.7
75°	3356.7	2126.9	280.3	216.8	201.9	171.9	130.8	108.4	100.9	93.4	93.4
77.5°	1644.7	889.6	213.1	190.6	171.9	130.8	115.9	100.9	89.7	82.2	82.2
80°	411.2	310.3	157.0	149.5	127.1	100.9	93.4	86.0	78.5	71.0	71.0
82.5°	220.5	183.2	112.1	100.9	86.0	71.0	71.0	67.3	63.5	56.1	52.3
85°	112.1	108.4	74.8	67.3	56.1	44.9	48.6	48.6	44.9	33.6	33.6
87.5°	59.8	59.8	37.4	29.9	26.2	22.4	22.4	22.4	18.7	15.0	15.0
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)