

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: P675520

Luminaire Tested: **CCW-SA-2E-722-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675520
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-722-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SL3 distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

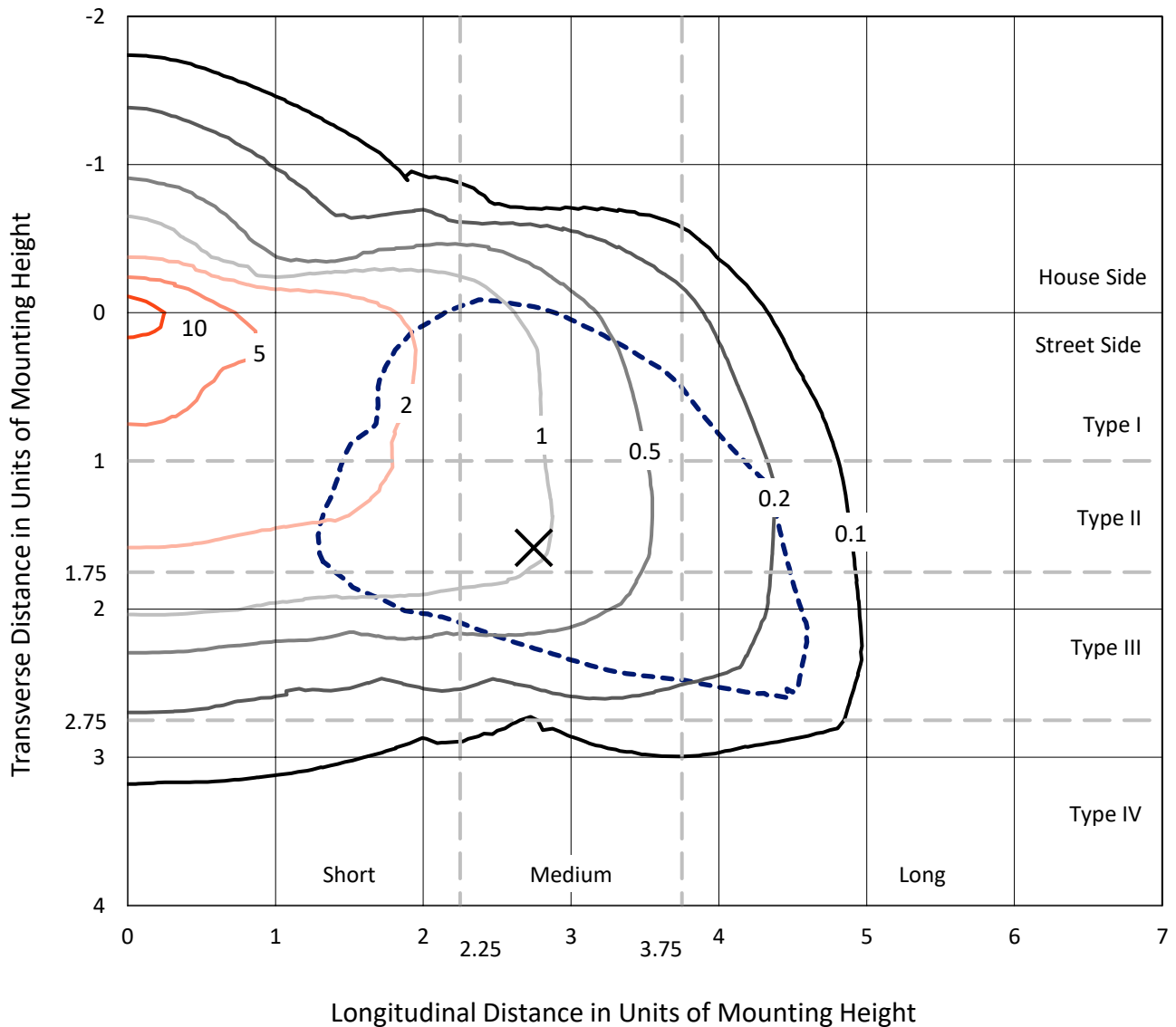
Lumens per Lamp: N/A
Luminaire Lumens: 9958.2 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

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

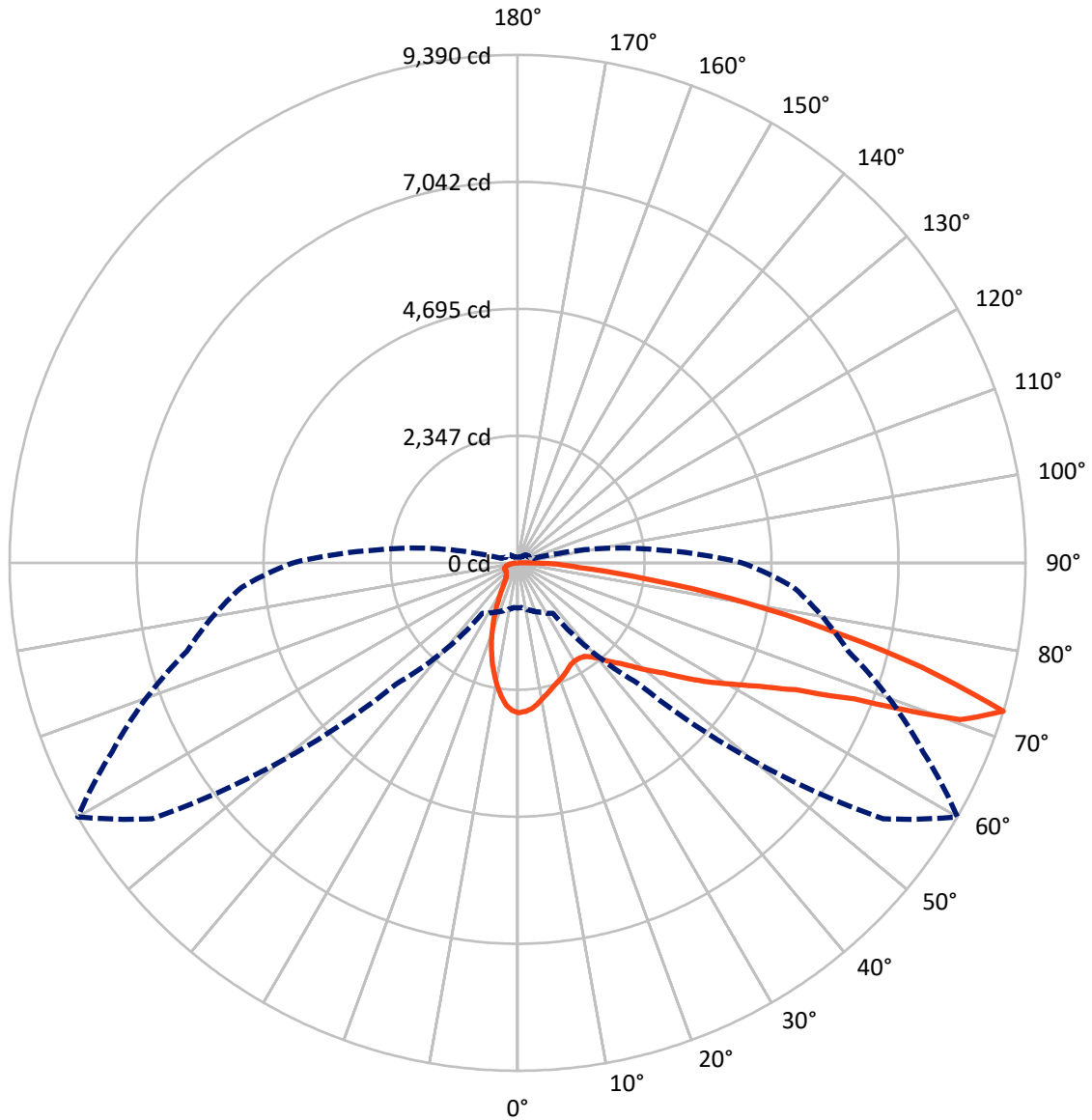
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12.3 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	1710.6	0.0	1710.6
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	8247.5	0.0	8247.5
	% Fixture	82.8	0.0	82.8
Total	Lumens	9958.2	0.0	9958.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.3	2.4
10°-20°	545.0	5.5
20°-30°	697.5	7.0
30°-40°	892.3	9.0
40°-50°	1223.8	12.3
50°-60°	1770.1	17.8
60°-70°	2428.3	24.4
70°-80°	1822.2	18.3
80°-90°	338.7	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°	9958.2	100.0
0°-180°	9958.2	100.0

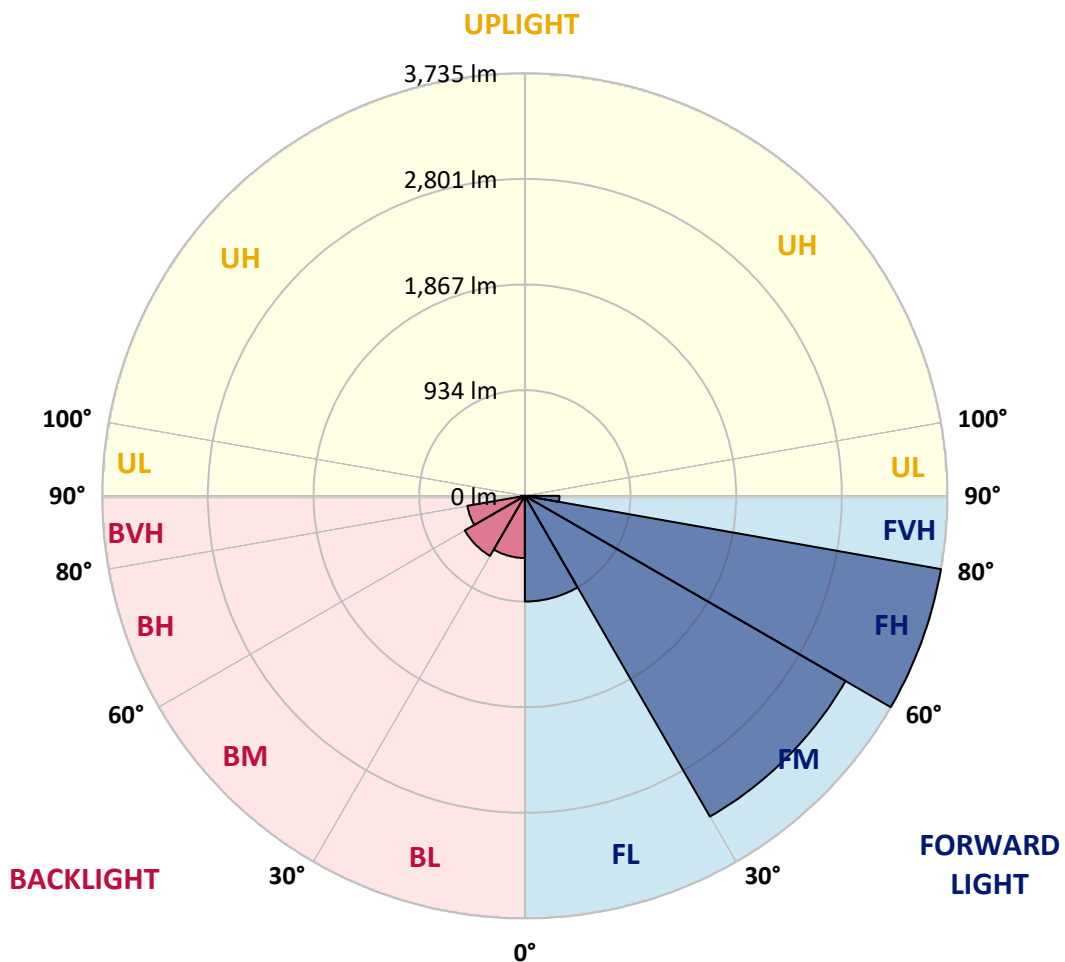


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	933.7	9.4			
FM (30°-60°)	3273.2	32.9			
FH (60°-80°)	3734.9	37.5			G2/5000
FVH (80°-90°)	305.7	3.1			G3/500
BL (0°-30°)	549.1	5.5	B2/1000		
BM (30°-60°)	613.0	6.2	B1/1000		
BH (60°-80°)	515.5	5.2	B2/1000		G2/1000
BVH (80°-90°)	33.0	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°	2772.9	2772.9	2772.9	2772.9	2772.9	2772.9	2772.9	2772.9	2772.9	2772.9	2772.9
2.5°	2713.5	2739.5	2746.9	2746.9	2769.1	2743.2	2780.3	2750.6	2758.0	2769.1	2761.7
5°	2583.8	2628.3	2602.3	2650.5	2632.0	2665.4	2709.8	2709.8	2698.7	2721.0	2702.4
7.5°	2457.8	2442.9	2487.4	2487.4	2517.1	2561.6	2598.6	2635.7	2639.4	2646.8	2643.1
10°	2287.2	2305.8	2328.0	2357.7	2394.7	2439.2	2517.1	2546.7	2554.1	2598.6	2587.5
12.5°	2146.4	2172.3	2187.1	2246.5	2279.8	2342.8	2431.8	2472.6	2476.3	2539.3	2539.3
15°	2042.6	2057.4	2090.8	2113.0	2187.1	2276.1	2361.4	2398.4	2439.2	2506.0	2487.4
17.5°	1972.1	1990.7	2005.5	2035.2	2105.6	2179.7	2313.2	2335.4	2383.6	2480.0	2457.8
20°	1931.4	1935.1	1957.3	1975.8	2038.9	2109.3	2227.9	2287.2	2350.3	2435.5	2413.3
22.5°	1938.8	1923.9	1920.2	1946.2	1957.3	2024.0	2168.6	2231.6	2320.6	2420.7	2383.6
25°	1953.6	1957.3	1949.9	1927.7	1931.4	1990.7	2087.1	2168.6	2268.7	2417.0	2342.8
27.5°	1990.7	2009.2	1979.6	1957.3	1935.1	1957.3	2057.4	2116.7	2227.9	2435.5	2339.1
30°	2027.7	2046.3	2038.9	2005.5	1961.0	1953.6	2024.0	2098.2	2205.7	2450.3	2339.1
32.5°	2083.3	2109.3	2083.3	2094.5	2042.6	2009.2	2035.2	2101.9	2227.9	2502.2	2342.8
35°	2146.4	2168.6	2176.0	2150.1	2139.0	2075.9	2090.8	2124.1	2250.2	2561.6	2379.9
37.5°	2216.8	2242.8	2265.0	2268.7	2231.6	2194.6	2187.1	2205.7	2305.8	2665.4	2420.7
40°	2265.0	2279.8	2324.3	2361.4	2372.5	2320.6	2316.9	2316.9	2405.9	2758.0	2494.8
42.5°	2346.5	2339.1	2402.2	2468.9	2487.4	2457.8	2465.2	2494.8	2546.7	2891.5	2613.5
45°	2387.3	2379.9	2454.1	2565.3	2650.5	2635.7	2643.1	2654.2	2702.4	3102.8	2813.6
47.5°	2442.9	2450.3	2557.8	2683.9	2772.9	2824.8	2865.5	2861.8	2898.9	3317.8	3036.1
50°	2498.5	2513.4	2643.1	2776.6	2932.3	3021.2	3080.5	3121.3	3158.4	3543.9	3291.8
52.5°	2606.0	2620.9	2765.4	2910.0	3110.2	3239.9	3388.2	3384.5	3388.2	3770.0	3547.6
55°	2761.7	2765.4	2850.7	3017.5	3288.1	3525.4	3729.3	3751.5	3688.5	4051.8	3840.5
57.5°	2939.7	2954.5	3028.6	3154.7	3429.0	3799.7	4111.1	4155.6	3985.1	4281.6	4107.4
60°	3106.5	3117.6	3232.5	3377.1	3673.7	4144.5	4496.6	4548.5	4363.2	4563.3	4385.4
62.5°	2917.4	2973.0	3176.9	3506.8	4103.7	4667.1	4986.0	5019.3	4730.2	4848.8	4682.0
65°	2335.4	2372.5	2665.4	3199.2	4133.3	5616.1	5742.2	5653.2	5234.3	5215.8	5130.5
67.5°	1301.2	1330.8	1531.0	2090.8	3480.9	5972.0	7369.6	6717.1	6016.5	5768.1	5738.5
70°	1026.8	1034.3	1060.2	1175.1	1931.4	5264.0	8652.2	8681.9	7295.4	6528.1	5868.2
72.5°	834.1	830.4	908.2	1008.3	1141.8	3158.4	8248.1	9389.9	8274.1	6327.9	5112.0
75°	637.6	648.7	748.8	893.4	1045.4	1486.5	6153.7	7725.4	7751.4	5897.9	4311.3
77.5°	485.6	489.3	600.5	789.6	1023.1	1049.1	4014.7	5757.0	5783.0	4567.1	2376.2
80°	363.3	363.3	456.0	667.3	997.2	967.5	2472.6	3992.5	3614.4	1605.1	519.0
82.5°	207.6	222.4	304.0	507.9	904.5	930.5	1393.8	2287.2	1527.3	437.4	241.0
85°	111.2	114.9	185.4	341.0	745.1	889.7	1063.9	1138.1	608.0	233.5	111.2
87.5°	40.8	40.8	85.3	174.2	470.8	659.9	845.2	726.6	348.5	107.5	55.6
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°	2772.9	2772.9	2772.9	2772.9	2772.9	2772.9	2772.9	2772.9	2772.9	2772.9	2772.9
2.5°	2769.1	2754.3	2743.2	2754.3	2713.5	2695.0	2717.3	2706.1	2683.9	2672.8	2665.4
5°	2713.5	2695.0	2676.5	2665.4	2620.9	2576.4	2554.1	2509.7	2472.6	2483.7	2461.5
7.5°	2654.2	2635.7	2580.1	2528.2	2439.2	2350.3	2309.5	2246.5	2224.2	2205.7	2194.6
10°	2580.1	2546.7	2461.5	2357.7	2227.9	2127.8	2024.0	1949.9	1872.0	1838.7	1849.8
12.5°	2487.4	2468.9	2335.4	2176.0	1994.4	1827.6	1705.2	1586.6	1482.8	1427.2	1412.4
15°	2446.6	2391.0	2198.3	1987.0	1757.1	1549.5	1367.9	1160.3	1038.0	978.7	978.7
17.5°	2402.2	2298.4	2068.5	1779.4	1516.2	1249.3	993.5	804.4	708.0	674.7	674.7
20°	2331.7	2216.8	1916.5	1582.9	1264.1	941.6	711.7	608.0	578.3	556.1	559.8
22.5°	2279.8	2139.0	1775.7	1390.1	1000.9	700.6	559.8	526.4	515.3	507.9	511.6
25°	2220.5	2046.3	1627.4	1182.5	785.9	552.3	485.6	470.8	478.2	481.9	481.9
27.5°	2172.3	1968.4	1475.4	960.1	593.1	467.1	437.4	433.7	448.6	456.0	459.7
30°	2139.0	1898.0	1327.1	756.2	474.5	415.2	400.4	400.4	418.9	426.3	430.0
32.5°	2105.6	1838.7	1167.7	578.3	404.1	370.7	367.0	370.7	381.8	381.8	385.5
35°	2116.7	1783.1	1015.7	467.1	363.3	341.0	341.0	341.0	344.8	348.5	348.5
37.5°	2139.0	1768.3	852.6	392.9	333.6	318.8	318.8	315.1	318.8	315.1	318.8
40°	2161.2	1746.0	704.3	348.5	315.1	304.0	300.3	292.9	289.1	289.1	292.9
42.5°	2253.9	1775.7	578.3	318.8	300.3	292.9	281.7	274.3	270.6	270.6	270.6
45°	2372.5	1831.3	478.2	304.0	289.1	270.6	263.2	259.5	252.1	255.8	259.5
47.5°	2550.4	1916.5	418.9	292.9	278.0	255.8	248.4	241.0	241.0	248.4	248.4
50°	2784.0	2057.4	381.8	281.7	266.9	244.7	233.5	229.8	229.8	241.0	241.0
52.5°	3036.1	2220.5	367.0	278.0	255.8	233.5	222.4	218.7	218.7	233.5	233.5
55°	3288.1	2420.7	378.1	278.0	248.4	222.4	211.3	203.9	207.6	218.7	218.7
57.5°	3566.2	2635.7	433.7	278.0	241.0	218.7	203.9	192.8	196.5	200.2	200.2
60°	3870.1	2917.4	530.1	278.0	237.2	211.3	192.8	177.9	177.9	181.6	181.6
62.5°	4177.8	3195.5	667.3	281.7	241.0	207.6	177.9	163.1	159.4	163.1	163.1
65°	4581.9	3640.3	804.4	281.7	252.1	200.2	166.8	148.3	144.6	144.6	148.3
67.5°	5149.1	3959.1	622.8	270.6	259.5	200.2	155.7	137.2	129.7	129.7	129.7
70°	4848.8	3340.0	396.7	252.1	248.4	207.6	148.3	126.0	118.6	114.9	114.9
72.5°	4151.9	2672.8	318.8	237.2	229.8	203.9	140.9	118.6	107.5	103.8	103.8
75°	3328.9	2109.3	278.0	215.0	200.2	170.5	129.7	107.5	100.1	92.7	92.7
77.5°	1631.1	882.3	211.3	189.1	170.5	129.7	114.9	100.1	89.0	81.6	81.6
80°	407.8	307.7	155.7	148.3	126.0	100.1	92.7	85.3	77.8	70.4	70.4
82.5°	218.7	181.6	111.2	100.1	85.3	70.4	70.4	66.7	63.0	55.6	51.9
85°	111.2	107.5	74.1	66.7	55.6	44.5	48.2	48.2	44.5	33.4	33.4
87.5°	59.3	59.3	37.1	29.7	25.9	22.2	22.2	22.2	18.5	14.8	14.8
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)