

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: P671399

Luminaire Tested: **CCP-SA-2D-740-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671399
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-740-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ SL3 distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

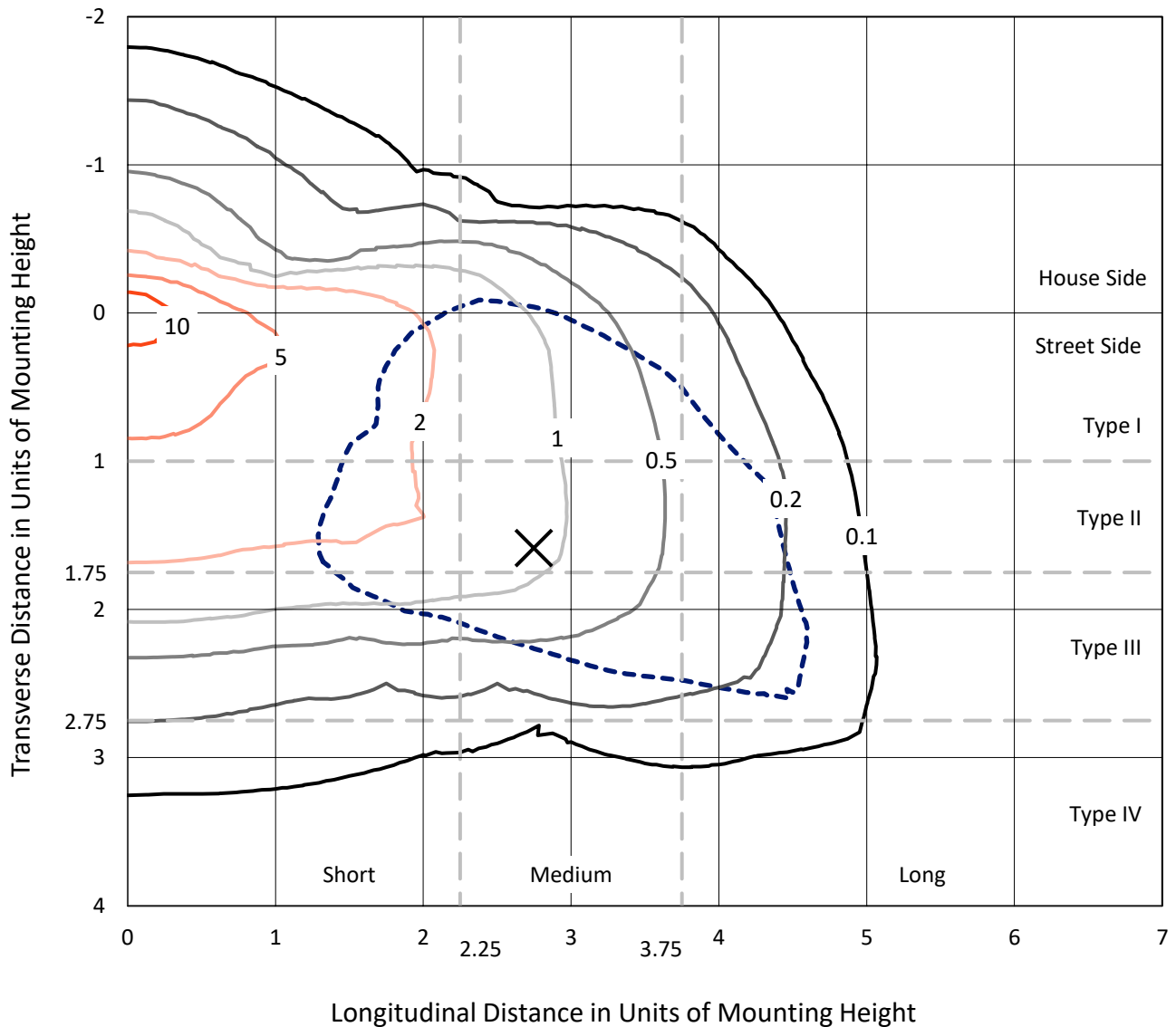
Lumens per Lamp: N/A
Luminaire Lumens: 11027.2 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 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

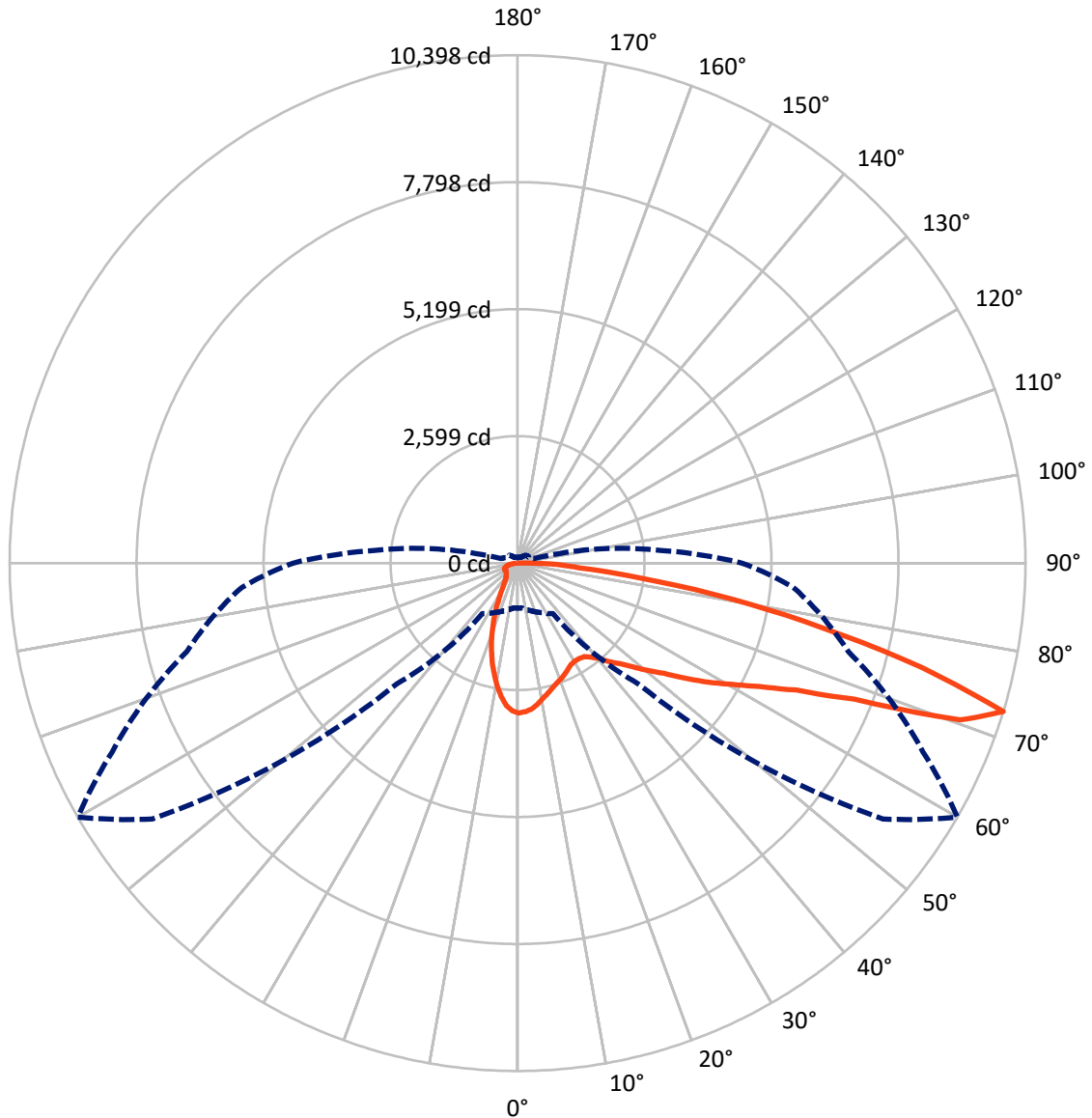
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13.6 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	1894.3	0.0	1894.3
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	9132.9	0.0	9132.9
	% Fixture	82.8	0.0	82.8
Total	Lumens	11027.2	0.0	11027.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.1	2.4
10°-20°	603.5	5.5
20°-30°	772.4	7.0
30°-40°	988.1	9.0
40°-50°	1355.2	12.3
50°-60°	1960.1	17.8
60°-70°	2688.9	24.4
70°-80°	2017.8	18.3
80°-90°	375.0	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°	11027.2	100.0
0°-180°	11027.2	100.0



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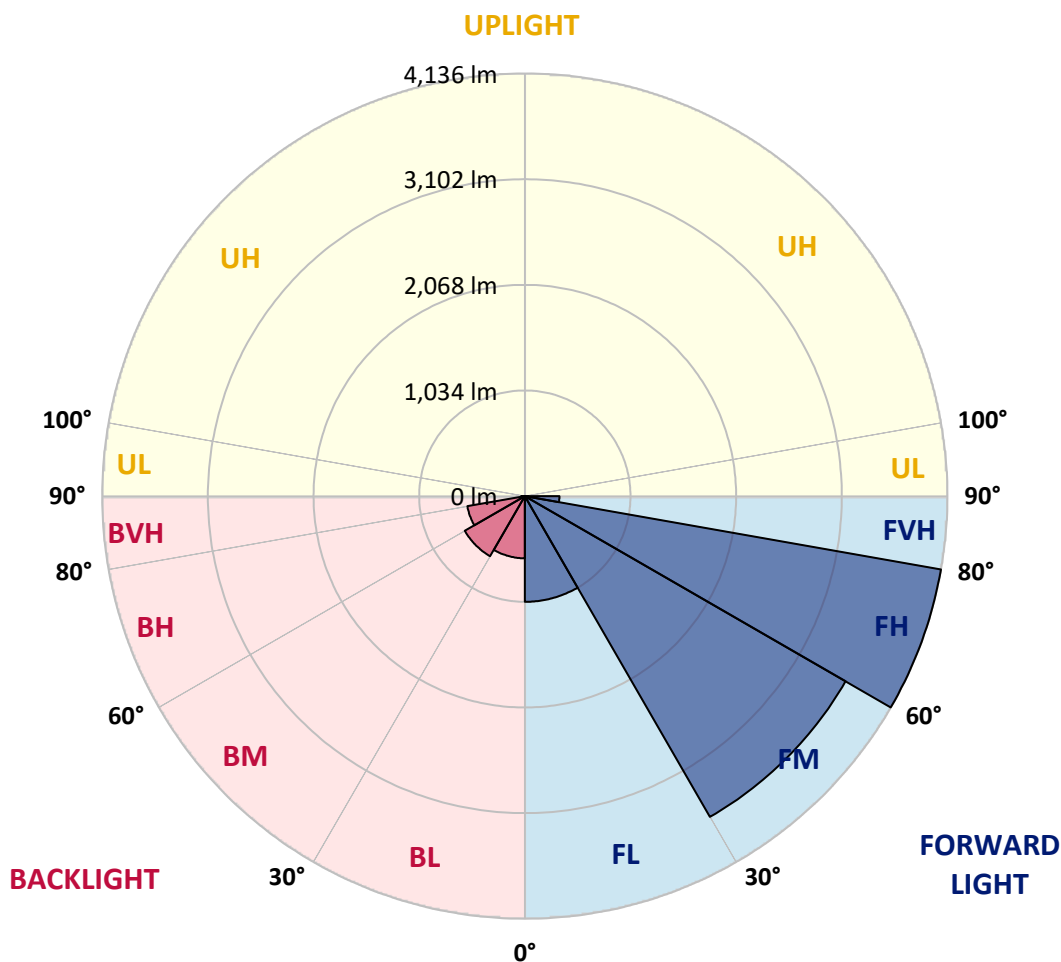
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1034.0	9.4			
FM (30°-60°)	3624.5	32.9			
FH (60°-80°)	4135.9	37.5			G2/5000
FVH (80°-90°)	338.5	3.1			G3/500
BL (0°-30°)	608.1	5.5	B2/1000		
BM (30°-60°)	678.8	6.2	B1/1000		
BH (60°-80°)	570.8	5.2	B2/1000		G2/1000
BVH (80°-90°)	36.5	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°	3070.5	3070.5	3070.5	3070.5	3070.5	3070.5	3070.5	3070.5	3070.5	3070.5	3070.5
2.5°	3004.8	3033.6	3041.8	3041.8	3066.4	3037.7	3078.7	3045.9	3054.1	3066.4	3058.2
5°	2861.2	2910.4	2881.7	2935.1	2914.5	2951.5	3000.7	3000.7	2988.4	3013.1	2992.5
7.5°	2721.6	2705.2	2754.4	2754.4	2787.3	2836.5	2877.6	2918.6	2922.7	2931.0	2926.9
10°	2532.8	2553.3	2577.9	2610.8	2651.8	2701.1	2787.3	2820.1	2828.3	2877.6	2865.3
12.5°	2376.8	2405.5	2421.9	2487.6	2524.6	2594.3	2692.9	2738.0	2742.1	2811.9	2811.9
15°	2261.8	2278.3	2315.2	2339.8	2421.9	2520.5	2614.9	2655.9	2701.1	2775.0	2754.4
17.5°	2183.9	2204.4	2220.8	2253.6	2331.6	2413.7	2561.5	2586.1	2639.5	2746.2	2721.6
20°	2138.7	2142.8	2167.4	2188.0	2257.7	2335.7	2467.1	2532.8	2602.6	2697.0	2672.3
22.5°	2146.9	2130.5	2126.4	2155.1	2167.4	2241.3	2401.4	2471.2	2569.7	2680.6	2639.5
25°	2163.3	2167.4	2159.2	2134.6	2138.7	2204.4	2311.1	2401.4	2512.3	2676.4	2594.3
27.5°	2204.4	2224.9	2192.1	2167.4	2142.8	2167.4	2278.3	2343.9	2467.1	2697.0	2590.2
30°	2245.4	2266.0	2257.7	2220.8	2171.5	2163.3	2241.3	2323.4	2442.5	2713.4	2590.2
32.5°	2307.0	2335.7	2307.0	2319.3	2261.8	2224.9	2253.6	2327.5	2467.1	2770.9	2594.3
35°	2376.8	2401.4	2409.6	2380.9	2368.6	2298.8	2315.2	2352.2	2491.7	2836.5	2635.4
37.5°	2454.8	2483.5	2508.1	2512.3	2471.2	2430.2	2421.9	2442.5	2553.3	2951.5	2680.6
40°	2508.1	2524.6	2573.8	2614.9	2627.2	2569.7	2565.6	2565.6	2664.1	3054.1	2762.7
42.5°	2598.5	2590.2	2660.0	2733.9	2754.4	2721.6	2729.8	2762.7	2820.1	3201.9	2894.0
45°	2643.6	2635.4	2717.5	2840.6	2935.1	2918.6	2926.9	2939.2	2992.5	3435.9	3115.7
47.5°	2705.2	2713.4	2832.4	2972.0	3070.5	3128.0	3173.2	3169.0	3210.1	3674.0	3362.0
50°	2766.8	2783.2	2926.9	3074.6	3247.0	3345.6	3411.2	3456.4	3497.4	3924.4	3645.2
52.5°	2885.8	2902.2	3062.3	3222.4	3444.1	3587.8	3752.0	3747.9	3752.0	4174.8	3928.5
55°	3058.2	3062.3	3156.7	3341.5	3641.1	3903.8	4129.6	4154.2	4084.5	4486.7	4252.8
57.5°	3255.3	3271.7	3353.8	3493.3	3797.1	4207.6	4552.4	4601.7	4412.9	4741.3	4548.3
60°	3440.0	3452.3	3579.5	3739.6	4068.0	4589.4	4979.3	5036.8	4831.6	5053.2	4856.2
62.5°	3230.6	3292.2	3518.0	3883.3	4544.2	5168.2	5521.2	5558.1	5238.0	5369.3	5184.6
65°	2586.1	2627.2	2951.5	3542.6	4577.1	6219.1	6358.6	6260.1	5796.2	5775.7	5681.3
67.5°	1440.8	1473.7	1695.4	2315.2	3854.6	6613.1	8160.7	7438.2	6662.4	6387.4	6354.5
70°	1137.1	1145.3	1174.0	1301.3	2138.7	5829.1	9581.0	9613.9	8078.6	7228.9	6498.2
72.5°	923.6	919.5	1005.7	1116.6	1264.3	3497.4	9133.6	10397.9	9162.3	7007.2	5660.8
75°	706.1	718.4	829.2	989.3	1157.6	1646.1	6814.3	8554.8	8583.5	6531.0	4774.1
77.5°	537.8	541.9	665.0	874.4	1133.0	1161.7	4445.7	6375.0	6403.8	5057.3	2631.3
80°	402.3	402.3	504.9	738.9	1104.2	1071.4	2738.0	4421.1	4002.4	1777.5	574.7
82.5°	229.9	246.3	336.6	562.4	1001.6	1030.4	1543.5	2532.8	1691.3	484.4	266.8
85°	123.1	127.3	205.2	377.7	825.1	985.2	1178.1	1260.2	673.2	258.6	123.1
87.5°	45.2	45.2	94.4	192.9	521.3	730.7	935.9	804.6	385.9	119.0	61.6
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°	3070.5	3070.5	3070.5	3070.5	3070.5	3070.5	3070.5	3070.5	3070.5	3070.5	3070.5
2.5°	3066.4	3050.0	3037.7	3050.0	3004.8	2984.3	3009.0	2996.6	2972.0	2959.7	2951.5
5°	3004.8	2984.3	2963.8	2951.5	2902.2	2853.0	2828.3	2779.1	2738.0	2750.3	2725.7
7.5°	2939.2	2918.6	2857.1	2799.6	2701.1	2602.6	2557.4	2487.6	2463.0	2442.5	2430.2
10°	2857.1	2820.1	2725.7	2610.8	2467.1	2356.3	2241.3	2159.2	2073.0	2036.1	2048.4
12.5°	2754.4	2733.9	2586.1	2409.6	2208.5	2023.8	1888.3	1756.9	1642.0	1580.4	1564.0
15°	2709.3	2647.7	2434.3	2200.3	1945.8	1715.9	1514.7	1284.9	1149.4	1083.7	1083.7
17.5°	2660.0	2545.1	2290.6	1970.4	1678.9	1383.4	1100.1	890.8	784.1	747.1	747.1
20°	2582.0	2454.8	2122.3	1752.8	1399.8	1042.7	788.2	673.2	640.4	615.7	619.9
22.5°	2524.6	2368.6	1966.3	1539.4	1108.3	775.8	619.9	582.9	570.6	562.4	566.5
25°	2458.9	2266.0	1802.1	1309.5	870.3	611.6	537.8	521.3	529.5	533.6	533.6
27.5°	2405.5	2179.7	1633.8	1063.2	656.8	517.2	484.4	480.3	496.7	504.9	509.0
30°	2368.6	2101.8	1469.6	837.4	525.4	459.8	443.3	443.3	463.9	472.1	476.2
32.5°	2331.6	2036.1	1293.1	640.4	447.4	410.5	406.4	410.5	422.8	422.8	426.9
35°	2343.9	1974.5	1124.8	517.2	402.3	377.7	377.7	377.7	381.8	385.9	385.9
37.5°	2368.6	1958.1	944.1	435.1	369.4	353.0	353.0	348.9	353.0	348.9	353.0
40°	2393.2	1933.4	779.9	385.9	348.9	336.6	332.5	324.3	320.2	320.2	324.3
42.5°	2495.8	1966.3	640.4	353.0	332.5	324.3	312.0	303.8	299.7	299.7	299.7
45°	2627.2	2027.9	529.5	336.6	320.2	299.7	291.5	287.3	279.1	283.2	287.3
47.5°	2824.2	2122.3	463.9	324.3	307.9	283.2	275.0	266.8	266.8	275.0	275.0
50°	3082.8	2278.3	422.8	312.0	295.6	270.9	258.6	254.5	254.5	266.8	266.8
52.5°	3362.0	2458.9	406.4	307.9	283.2	258.6	246.3	242.2	242.2	258.6	258.6
55°	3641.1	2680.6	418.7	307.9	275.0	246.3	234.0	225.8	229.9	242.2	242.2
57.5°	3949.0	2918.6	480.3	307.9	266.8	242.2	225.8	213.5	217.6	221.7	221.7
60°	4285.6	3230.6	587.0	307.9	262.7	234.0	213.5	197.0	197.0	201.1	201.1
62.5°	4626.3	3538.5	738.9	312.0	266.8	229.9	197.0	180.6	176.5	180.6	180.6
65°	5073.8	4031.1	890.8	312.0	279.1	221.7	184.7	164.2	160.1	160.1	164.2
67.5°	5701.8	4384.1	689.6	299.7	287.3	221.7	172.4	151.9	143.7	143.7	143.7
70°	5369.3	3698.6	439.2	279.1	275.0	229.9	164.2	139.6	131.4	127.3	127.3
72.5°	4597.6	2959.7	353.0	262.7	254.5	225.8	156.0	131.4	119.0	114.9	114.9
75°	3686.3	2335.7	307.9	238.1	221.7	188.8	143.7	119.0	110.8	102.6	102.6
77.5°	1806.2	977.0	234.0	209.4	188.8	143.7	127.3	110.8	98.5	90.3	90.3
80°	451.5	340.7	172.4	164.2	139.6	110.8	102.6	94.4	86.2	78.0	78.0
82.5°	242.2	201.1	123.1	110.8	94.4	78.0	78.0	73.9	69.8	61.6	57.5
85°	123.1	119.0	82.1	73.9	61.6	49.3	53.4	53.4	49.3	36.9	36.9
87.5°	65.7	65.7	41.0	32.8	28.7	24.6	24.6	24.6	20.5	16.4	16.4
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)