

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: P672075

Luminaire Tested: **CCP-SA-2D-722-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672075
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-722-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T2R distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

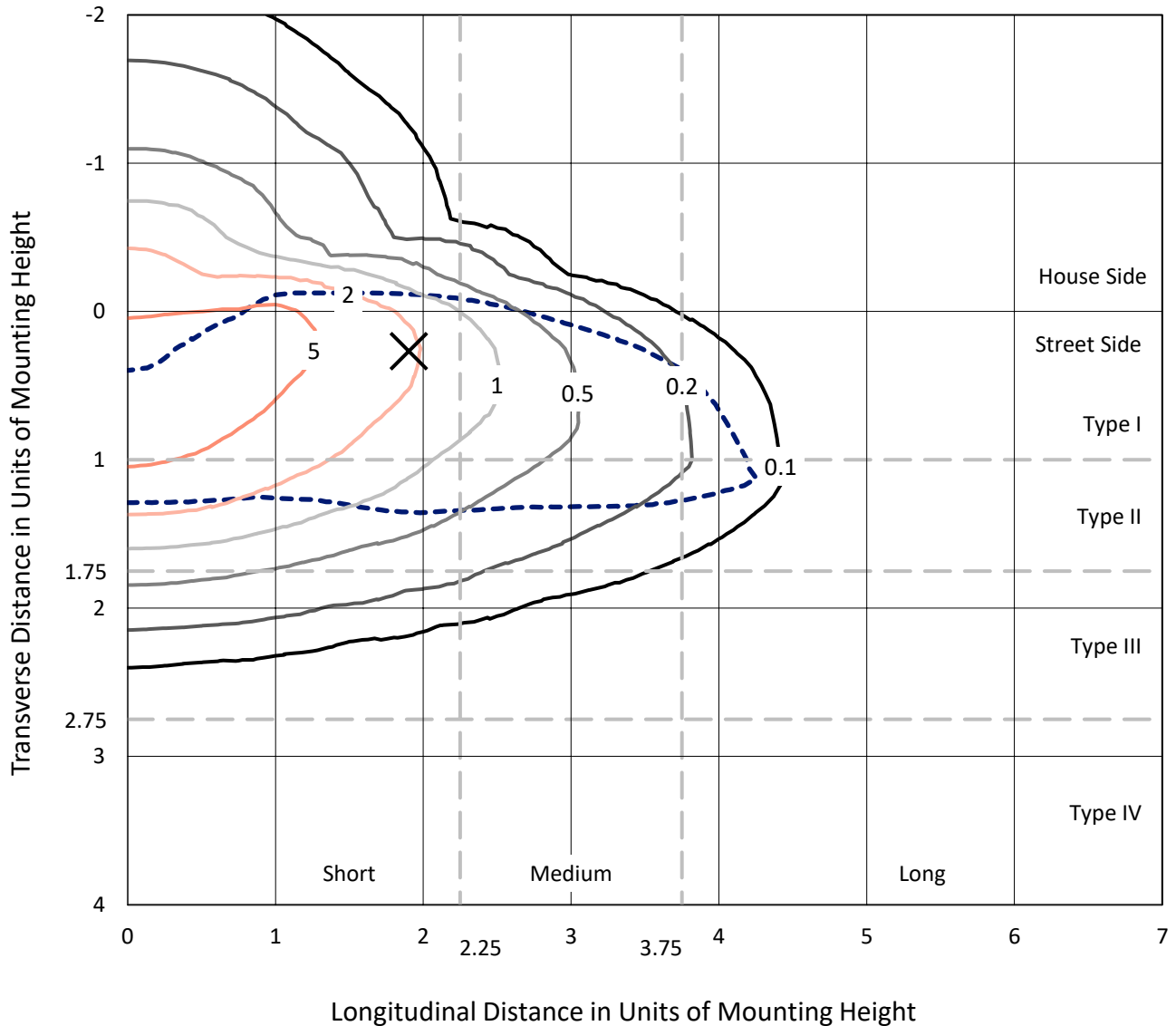
Lumens per Lamp: N/A
Luminaire Lumens: 8344.6 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

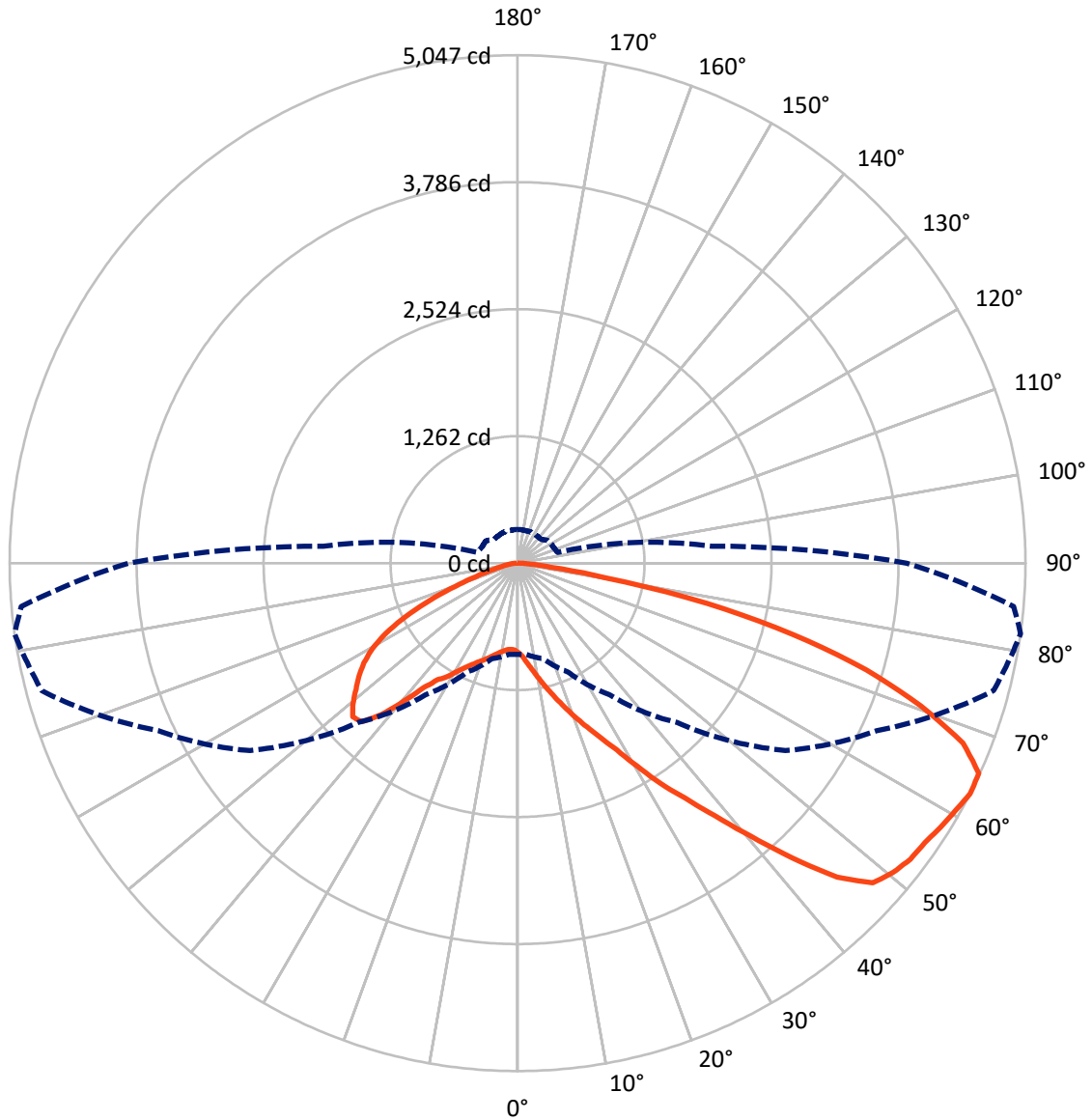
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1572.1	0.0	1572.1
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	6772.5	0.0	6772.5
	% Fixture	81.2	0.0	81.2
Total	Lumens	8344.6	0.0	8344.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	1.2
10°-20°	370.4	4.4
20°-30°	767.0	9.2
30°-40°	1301.9	15.6
40°-50°	1772.8	21.2
50°-60°	1794.5	21.5
60°-70°	1414.3	16.9
70°-80°	696.7	8.3
80°-90°	128.9	1.5
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°	8344.6	100.0
0°-180°	8344.6	100.0



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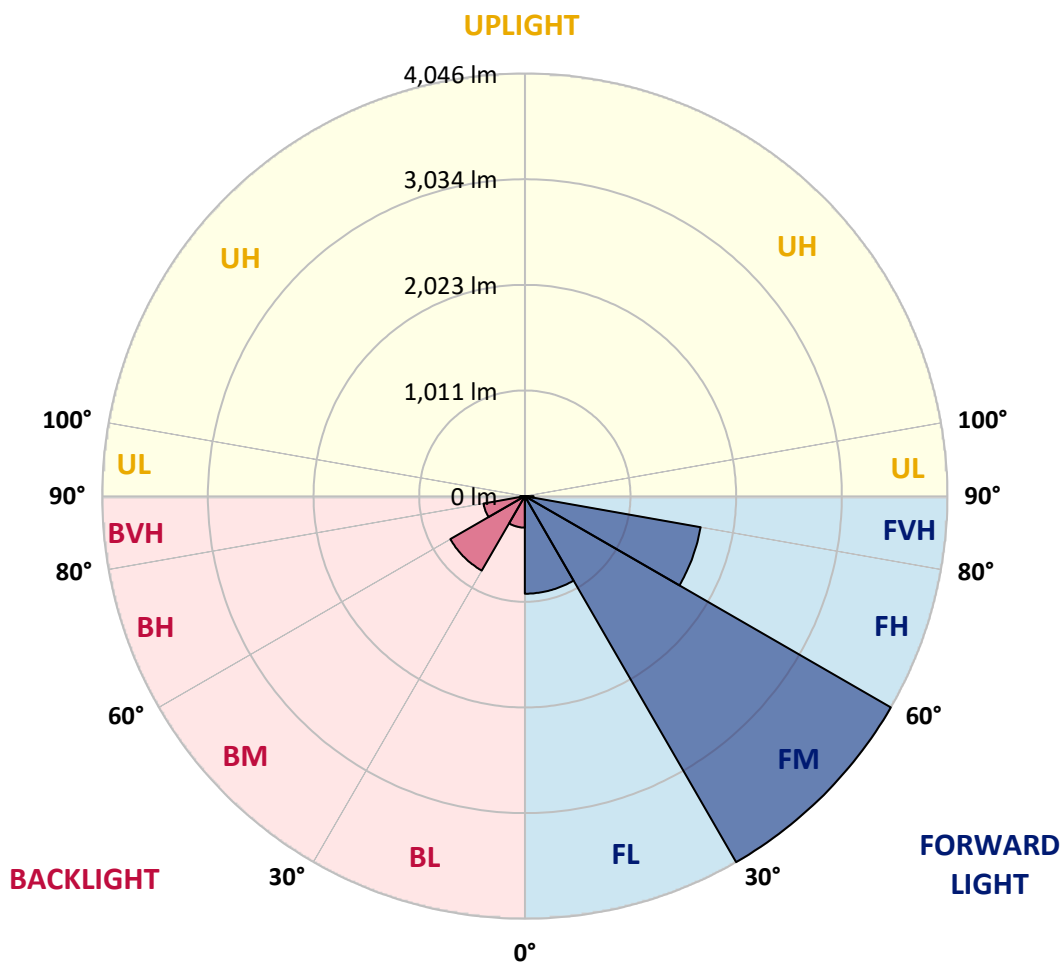
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	933.9	11.2			
FM (30°-60°)	4045.8	48.5			
FH (60°-80°)	1709.1	20.5			G1/1800
FVH (80°-90°)	83.7	1.0			G1/100
BL (0°-30°)	301.6	3.6	B1/500		
BM (30°-60°)	823.4	9.9	B1/1000		
BH (60°-80°)	401.9	4.8	B1/500		G1/500
BVH (80°-90°)	45.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	887.4	887.4	887.4	887.4	887.4	887.4	887.4	887.4	887.4	887.4	887.4
2.5°	1181.8	1163.8	1154.2	1143.3	1113.3	1094.1	1058.0	1016.0	967.3	925.8	918.0
5°	1431.1	1413.1	1415.5	1389.1	1345.2	1304.4	1237.1	1157.8	1065.2	994.3	969.7
7.5°	1607.2	1587.3	1592.1	1581.3	1545.9	1500.8	1415.5	1313.4	1178.2	1073.0	1033.4
10°	1724.9	1727.3	1730.9	1726.7	1703.9	1672.1	1587.3	1474.4	1306.2	1166.2	1112.1
12.5°	1858.3	1864.9	1863.7	1865.5	1853.5	1828.3	1745.4	1639.0	1442.5	1266.5	1196.2
15°	2028.3	2021.7	2027.1	2034.9	2021.7	1994.1	1920.8	1794.6	1585.5	1378.3	1291.1
17.5°	2214.6	2200.8	2215.2	2207.4	2197.8	2179.7	2099.2	1964.6	1733.3	1499.0	1396.9
20°	2375.6	2366.6	2374.4	2375.6	2377.4	2373.8	2290.9	2147.9	1888.3	1630.6	1511.0
22.5°	2556.4	2552.2	2551.0	2551.6	2553.4	2557.6	2501.2	2348.6	2060.2	1768.8	1634.2
25°	2809.4	2805.2	2777.5	2746.9	2728.9	2742.1	2712.7	2576.3	2250.0	1923.8	1769.4
27.5°	3093.0	3086.4	3049.7	2972.2	2914.5	2924.1	2921.1	2827.4	2468.7	2101.6	1931.6
30°	3387.4	3371.1	3320.7	3211.9	3121.2	3104.4	3112.8	3081.5	2743.9	2337.7	2157.5
32.5°	3649.9	3619.9	3553.2	3443.2	3335.1	3286.4	3287.6	3301.4	3043.1	2612.9	2394.2
35°	3810.3	3790.5	3740.6	3629.5	3508.7	3476.3	3467.3	3536.4	3317.7	2867.7	2606.3
37.5°	3896.8	3877.6	3824.1	3734.6	3643.3	3630.1	3646.9	3753.9	3629.5	3185.5	2894.7
40°	3881.2	3860.8	3826.0	3763.5	3703.4	3713.6	3788.1	3953.3	3970.1	3565.8	3305.7
42.5°	3752.7	3731.0	3728.0	3723.8	3695.6	3740.6	3875.2	4099.3	4283.2	4005.0	3803.1
45°	3525.5	3512.3	3528.0	3600.0	3635.5	3722.6	3916.1	4170.2	4558.3	4451.4	4273.6
47.5°	3237.8	3229.9	3265.4	3379.6	3494.3	3667.3	3943.1	4189.4	4747.6	4747.6	4581.8
50°	2915.7	2912.7	2959.6	3125.4	3305.1	3565.8	3940.1	4207.5	4830.5	4834.7	4690.5
52.5°	2466.3	2481.9	2606.9	2825.6	3069.5	3406.6	3898.0	4257.9	4877.4	4887.0	4763.2
55°	1948.4	1963.4	2152.1	2446.5	2758.9	3213.1	3772.5	4242.9	4886.4	4908.0	4804.7
57.5°	1555.5	1558.5	1676.3	2025.9	2412.8	2965.6	3627.7	4143.2	4859.9	4954.3	4868.4
60°	1217.2	1226.9	1305.6	1582.5	2011.5	2646.6	3466.1	4044.6	4875.0	4998.1	4926.0
62.5°	906.6	909.0	982.3	1196.8	1598.2	2239.8	3246.8	3939.5	4896.0	5047.4	4949.5
65°	590.6	590.0	660.9	854.4	1193.8	1800.6	2902.5	3774.9	4897.8	5036.6	4841.9
67.5°	375.5	377.9	408.6	530.5	799.1	1359.0	2433.9	3469.1	4812.5	4774.6	4450.2
70°	304.6	305.2	314.8	346.7	486.7	928.9	1829.5	2990.8	4542.7	4252.5	3868.0
72.5°	271.6	272.2	277.0	280.6	324.4	558.2	1200.4	2428.5	4063.3	3624.7	3208.9
75°	243.9	243.9	246.9	243.3	266.2	350.3	681.3	1825.9	3346.5	2822.6	2424.3
77.5°	213.9	213.3	213.3	211.5	230.1	255.9	341.3	1274.3	2410.4	1925.0	1572.3
80°	181.4	180.2	182.0	180.8	198.9	194.1	198.9	786.5	1306.8	882.6	669.3
82.5°	141.2	141.2	146.6	147.8	164.0	140.6	140.0	373.1	496.3	329.8	246.9
85°	73.9	82.9	111.8	116.6	123.8	88.3	102.7	174.2	198.9	126.2	90.1
87.5°	22.2	23.4	68.5	76.9	76.3	44.5	63.1	84.1	93.1	55.9	36.6
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°	887.4	887.4	887.4	887.4	887.4	887.4	887.4	887.4	887.4	887.4	887.4
2.5°	898.2	877.2	832.7	793.1	763.0	734.2	714.4	704.1	690.9	692.7	688.5
5°	925.8	882.6	803.9	740.2	697.5	665.1	645.3	635.1	625.4	620.6	624.2
7.5°	967.3	900.0	790.1	713.2	668.7	641.1	630.2	627.2	624.8	623.0	626.0
10°	1020.8	930.7	787.7	703.5	662.7	645.9	641.7	639.9	637.5	635.1	636.9
12.5°	1075.4	964.3	796.1	706.0	672.3	659.7	654.3	651.9	645.9	642.9	643.5
15°	1143.9	1005.2	807.5	715.6	684.9	668.7	661.5	654.9	645.3	641.1	642.9
17.5°	1217.2	1053.8	823.1	724.6	689.7	669.9	655.5	645.9	636.3	630.2	630.8
20°	1300.2	1101.9	836.9	727.6	687.3	659.7	642.3	630.8	618.2	611.6	609.8
22.5°	1386.1	1152.4	847.7	725.2	674.1	642.3	622.4	608.6	593.6	583.4	584.0
25°	1490.6	1220.8	856.8	716.8	656.7	619.4	597.2	579.8	564.2	554.5	555.1
27.5°	1616.2	1298.3	867.6	703.5	635.7	594.8	569.0	551.5	536.5	527.5	526.3
30°	1783.8	1399.3	879.6	687.3	609.2	567.8	542.5	524.5	510.1	501.7	501.7
32.5°	1972.5	1522.5	888.0	668.1	579.8	538.9	516.1	501.7	490.9	479.4	478.2
35°	2136.5	1618.0	913.8	653.1	553.9	511.9	496.3	486.1	469.8	459.0	457.2
37.5°	2377.4	1786.2	990.1	648.9	522.7	490.9	487.9	468.6	450.0	429.6	427.8
40°	2765.5	2077.6	1079.1	628.4	490.3	479.4	476.4	450.6	406.7	394.1	391.7
42.5°	3259.4	2428.5	1088.7	569.0	467.4	469.8	460.8	410.4	391.1	381.5	379.1
45°	3705.2	2713.3	1034.0	508.3	450.6	455.4	436.8	395.3	384.5	375.5	373.1
47.5°	3955.7	2801.0	930.7	462.6	438.0	442.8	398.3	388.1	377.3	368.3	365.9
50°	4026.0	2724.7	810.5	436.2	428.4	430.2	388.1	382.1	372.5	365.3	361.7
52.5°	4039.8	2610.5	699.3	420.6	421.2	404.9	379.1	374.3	368.3	356.9	352.7
55°	4045.8	2507.8	599.6	411.0	416.4	372.5	369.5	365.9	361.1	349.1	346.7
57.5°	4061.5	2376.2	521.5	403.7	410.4	357.5	358.7	356.3	350.3	344.9	343.7
60°	4017.0	2194.2	461.4	396.5	401.9	344.9	346.1	347.3	341.9	340.7	340.1
62.5°	3868.0	1935.8	410.4	386.9	384.5	332.2	332.2	337.1	332.2	334.0	334.0
65°	3561.0	1606.6	364.7	368.9	357.5	318.4	317.8	326.2	319.0	326.8	327.4
67.5°	3037.7	1216.0	317.8	340.7	329.2	304.0	306.4	313.0	303.4	319.6	319.6
70°	2404.4	827.3	269.2	301.0	300.4	287.8	295.6	295.0	284.2	308.2	304.0
72.5°	1791.0	531.1	219.3	252.3	262.6	270.4	284.8	272.2	262.0	275.8	263.2
75°	1251.5	332.8	173.0	199.5	218.7	251.1	271.6	246.3	231.3	227.1	223.5
77.5°	749.2	212.7	136.4	152.0	170.6	228.3	254.7	219.3	196.5	194.1	186.9
80°	345.5	138.8	103.9	113.6	121.4	195.9	231.9	187.5	159.8	157.4	149.0
82.5°	156.2	91.3	77.5	81.1	81.7	155.6	195.9	148.4	122.0	197.7	171.2
85°	72.7	58.9	50.5	48.1	48.7	103.9	142.4	102.1	138.8	108.1	82.3
87.5°	31.2	30.0	25.8	20.4	18.6	22.2	54.7	42.7	60.7	24.0	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)