

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: P672151

Luminaire Tested: **CCP-SA-2C-827-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672151
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-827-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2R distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

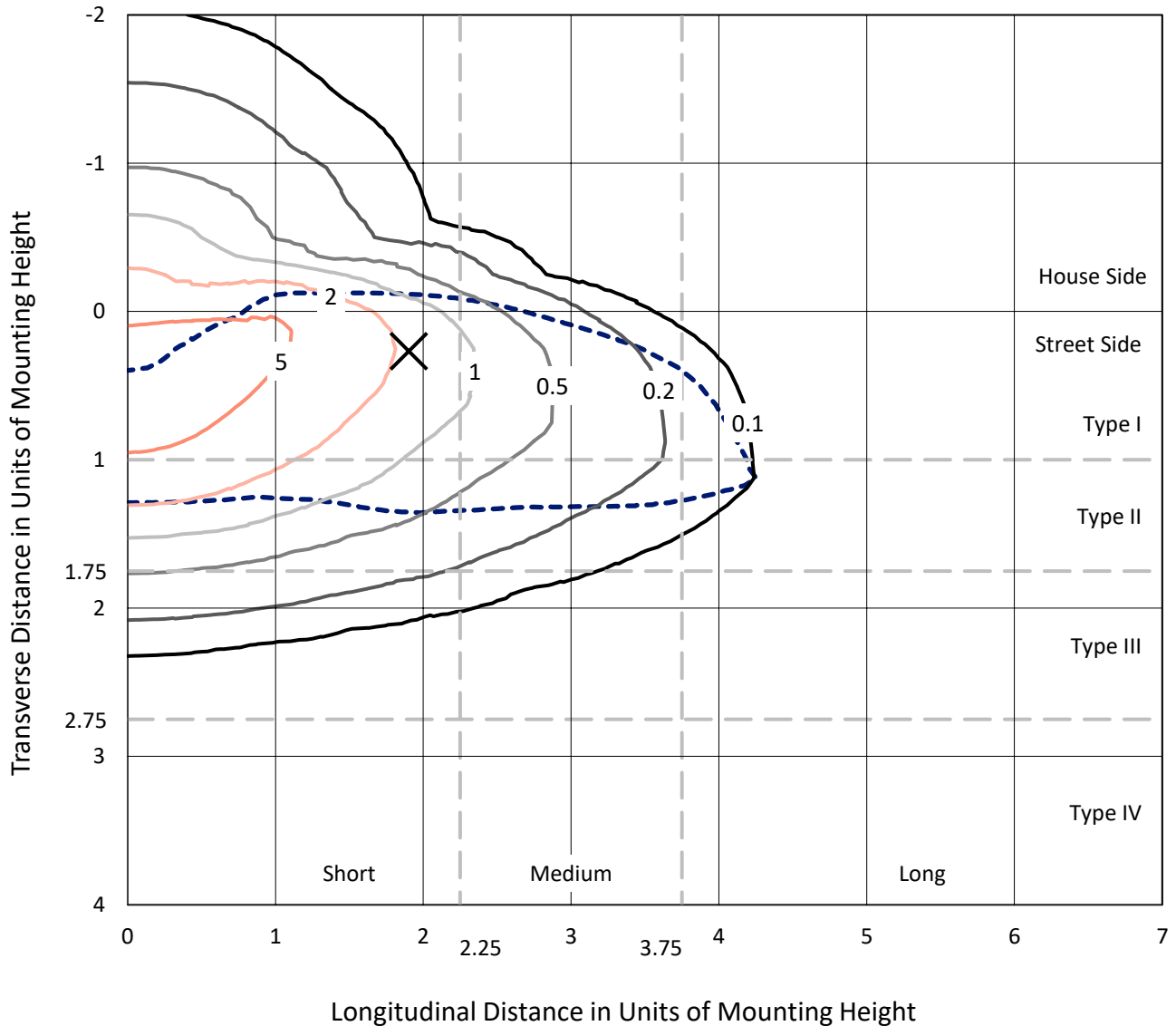
Lumens per Lamp: N/A
Luminaire Lumens: 6751.2 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 62.1
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

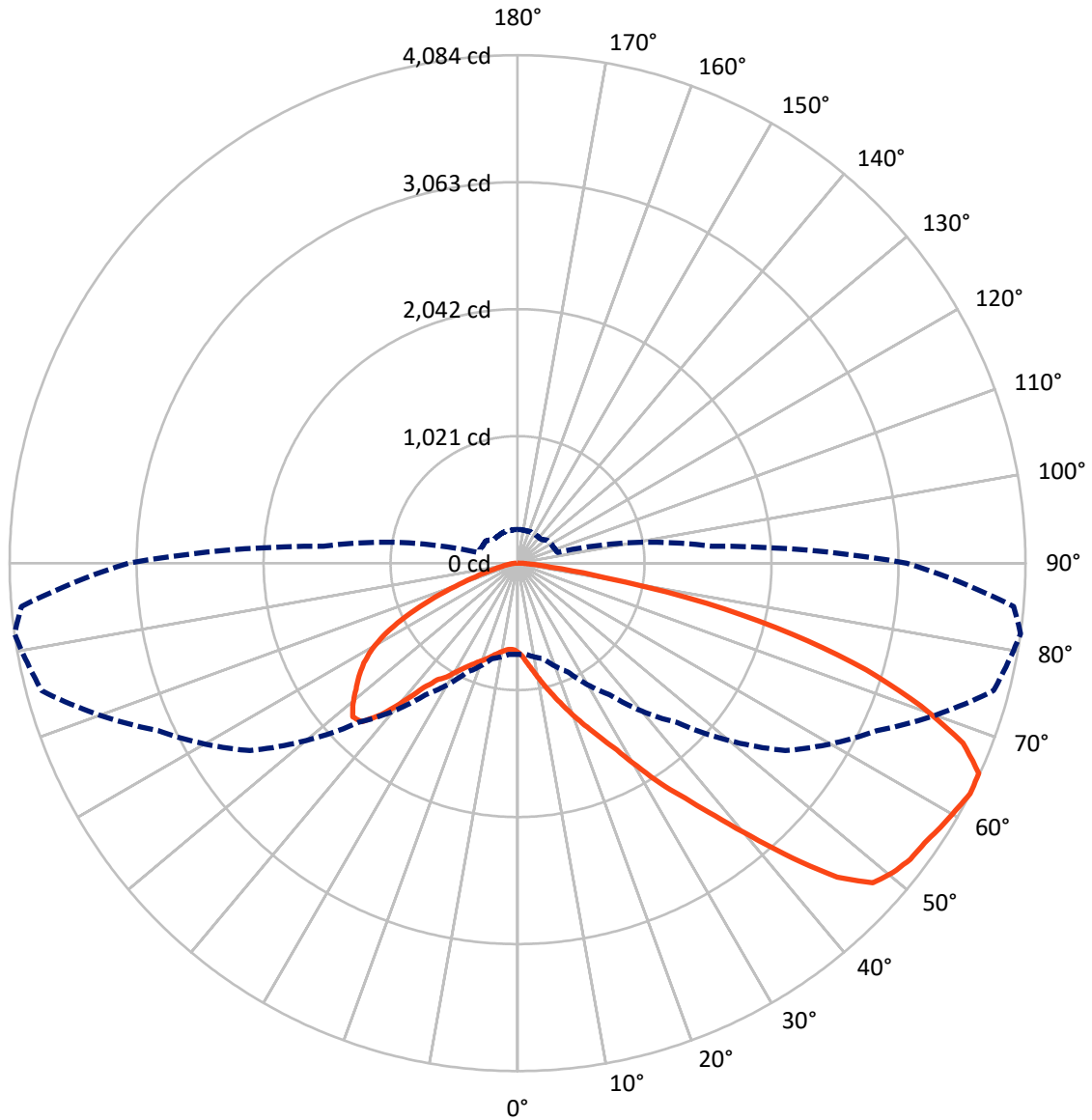
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.9 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	1271.9	0.0	1271.9
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	5479.3	0.0	5479.3
	% Fixture	81.2	0.0	81.2
Total	Lumens	6751.2	0.0	6751.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	1.2
10°-20°	299.7	4.4
20°-30°	620.6	9.2
30°-40°	1053.3	15.6
40°-50°	1434.3	21.2
50°-60°	1451.8	21.5
60°-70°	1144.2	16.9
70°-80°	563.7	8.3
80°-90°	104.3	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°	6751.2	100.0
0°-180°	6751.2	100.0



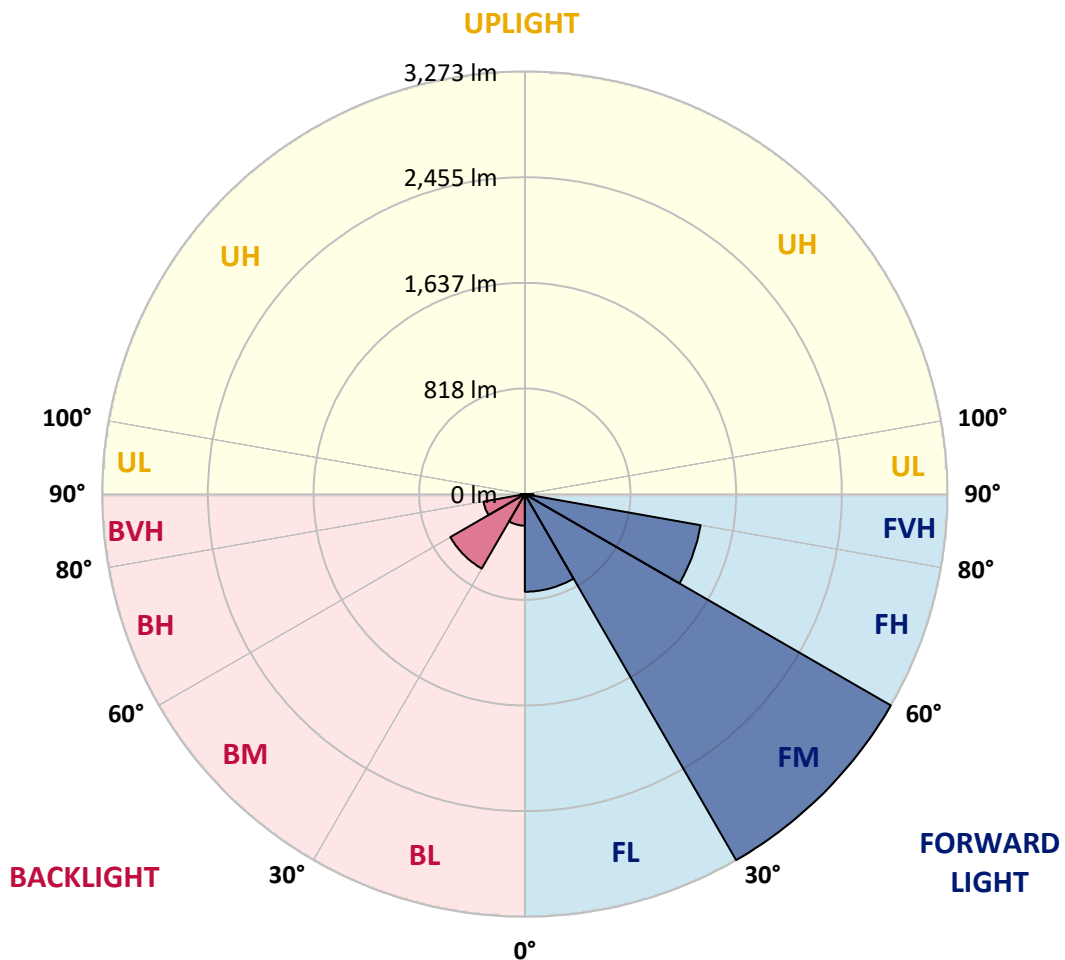
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	755.6	11.2			
FM (30°-60°)	3273.2	48.5			
FH (60°-80°)	1382.7	20.5			G1/1800
FVH (80°-90°)	67.7	1.0			G1/100
BL (0°-30°)	244.0	3.6	B1/500		
BM (30°-60°)	666.2	9.9	B1/1000		
BH (60°-80°)	325.1	4.8	B1/500		G1/500
BVH (80°-90°)	36.5	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°	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9
2.5°	956.1	941.5	933.8	925.0	900.7	885.2	856.0	822.0	782.6	749.1	742.7
5°	1157.8	1143.3	1145.2	1123.8	1088.3	1055.3	1000.8	936.7	861.8	804.5	784.5
7.5°	1300.3	1284.2	1288.1	1279.4	1250.7	1214.2	1145.2	1062.6	953.2	868.1	836.1
10°	1395.5	1397.5	1400.4	1397.0	1378.5	1352.8	1284.2	1192.8	1056.7	943.5	899.7
12.5°	1503.5	1508.8	1507.8	1509.3	1499.6	1479.1	1412.1	1326.0	1167.1	1024.7	967.8
15°	1641.0	1635.7	1640.0	1646.4	1635.7	1613.3	1554.0	1451.9	1282.8	1115.1	1044.6
17.5°	1791.7	1780.5	1792.2	1785.9	1778.1	1763.5	1698.4	1589.5	1402.3	1212.8	1130.1
20°	1922.0	1914.7	1921.0	1922.0	1923.4	1920.5	1853.4	1737.7	1527.8	1319.2	1222.5
22.5°	2068.3	2064.9	2063.9	2064.4	2065.8	2069.3	2023.6	1900.1	1666.8	1431.0	1322.1
25°	2272.9	2269.5	2247.2	2222.4	2207.8	2218.5	2194.7	2084.3	1820.4	1556.4	1431.5
27.5°	2502.4	2497.0	2467.4	2404.6	2358.0	2365.8	2363.3	2287.5	1997.3	1700.3	1562.8
30°	2740.5	2727.4	2686.6	2598.6	2525.2	2511.6	2518.4	2493.1	2219.9	1891.3	1745.5
32.5°	2952.9	2928.6	2874.7	2785.7	2698.2	2658.9	2659.8	2671.0	2462.0	2114.0	1937.0
35°	3082.7	3066.7	3026.3	2936.4	2838.7	2812.5	2805.2	2861.1	2684.1	2320.1	2108.6
37.5°	3152.7	3137.2	3093.9	3021.5	2947.6	2936.9	2950.5	3037.0	2936.4	2577.2	2341.9
40°	3140.1	3123.6	3095.4	3044.8	2996.2	3004.5	3064.7	3198.4	3212.0	2884.9	2674.4
42.5°	3036.1	3018.6	3016.1	3012.7	2989.9	3026.3	3135.2	3316.5	3465.3	3240.2	3076.9
45°	2852.3	2841.6	2854.3	2912.6	2941.3	3011.8	3168.3	3373.9	3687.9	3601.4	3457.5
47.5°	2619.5	2613.2	2641.9	2734.2	2827.1	2967.0	3190.2	3389.5	3841.0	3841.0	3706.9
50°	2359.0	2356.5	2394.4	2528.6	2673.9	2884.9	3187.7	3404.0	3908.1	3911.5	3794.8
52.5°	1995.4	2008.0	2109.1	2286.0	2483.4	2756.1	3153.7	3444.9	3946.0	3953.8	3853.7
55°	1576.4	1588.5	1741.1	1979.3	2232.1	2599.6	3052.1	3432.7	3953.3	3970.8	3887.2
57.5°	1258.5	1260.9	1356.2	1639.1	1952.1	2399.3	2935.0	3352.0	3931.9	4008.2	3938.7
60°	984.8	992.6	1056.3	1280.3	1627.4	2141.2	2804.2	3272.3	3944.1	4043.7	3985.4
62.5°	733.5	735.4	794.7	968.3	1293.0	1812.1	2626.8	3187.2	3961.1	4083.6	4004.3
65°	477.8	477.3	534.7	691.2	965.8	1456.8	2348.3	3054.1	3962.5	4074.8	3917.3
67.5°	303.8	305.7	330.5	429.2	646.5	1099.5	1969.1	2806.6	3893.5	3862.9	3600.4
70°	246.4	246.9	254.7	280.5	393.7	751.5	1480.1	2419.7	3675.3	3440.5	3129.4
72.5°	219.7	220.2	224.1	227.0	262.5	451.6	971.2	1964.7	3287.4	2932.5	2596.2
75°	197.3	197.3	199.8	196.9	215.3	283.4	551.2	1477.2	2707.5	2283.6	1961.3
77.5°	173.0	172.6	172.6	171.1	186.2	207.1	276.1	1031.0	1950.2	1557.4	1272.1
80°	146.8	145.8	147.3	146.3	160.9	157.0	160.9	636.3	1057.2	714.1	541.5
82.5°	114.2	114.2	118.6	119.6	132.7	113.7	113.3	301.9	401.5	266.9	199.8
85°	59.8	67.1	90.4	94.3	100.1	71.5	83.1	141.0	160.9	102.1	72.9
87.5°	18.0	19.0	55.4	62.2	61.7	36.0	51.0	68.1	75.3	45.2	29.7
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°	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9
2.5°	726.7	709.7	673.7	641.6	617.3	594.0	578.0	569.7	559.0	560.5	557.1
5°	749.1	714.1	650.4	598.9	564.3	538.1	522.1	513.8	506.0	502.1	505.0
7.5°	782.6	728.2	639.2	577.0	541.0	518.6	509.9	507.5	505.5	504.1	506.5
10°	825.9	752.9	637.3	569.2	536.1	522.5	519.1	517.7	515.7	513.8	515.2
12.5°	870.1	780.2	644.1	571.1	543.9	533.7	529.3	527.4	522.5	520.1	520.6
15°	925.5	813.2	653.3	578.9	554.1	541.0	535.2	529.8	522.1	518.6	520.1
17.5°	984.8	852.6	665.9	586.2	558.0	542.0	530.3	522.5	514.8	509.9	510.4
20°	1051.9	891.5	677.1	588.6	556.1	533.7	519.6	510.4	500.2	494.8	493.4
22.5°	1121.4	932.3	685.9	586.7	545.4	519.6	503.6	492.4	480.2	472.0	472.5
25°	1206.0	987.7	693.2	579.9	531.3	501.2	483.2	469.1	456.4	448.7	449.1
27.5°	1307.6	1050.4	701.9	569.2	514.3	481.2	460.3	446.2	434.1	426.8	425.8
30°	1443.2	1132.1	711.6	556.1	492.9	459.3	438.9	424.3	412.7	405.9	405.9
32.5°	1595.8	1231.7	718.4	540.5	469.1	436.0	417.5	405.9	397.1	387.9	386.9
35°	1728.5	1309.0	739.3	528.4	448.2	414.1	401.5	393.2	380.1	371.4	369.9
37.5°	1923.4	1445.1	801.1	525.0	422.9	397.1	394.7	379.1	364.1	347.5	346.1
40°	2237.4	1680.9	873.0	508.4	396.6	387.9	385.5	364.6	329.1	318.9	316.9
42.5°	2637.0	1964.7	880.8	460.3	378.2	380.1	372.8	332.0	316.4	308.7	306.7
45°	2997.7	2195.1	836.5	411.2	364.6	368.5	353.4	319.8	311.1	303.8	301.9
47.5°	3200.4	2266.1	752.9	374.3	354.4	358.2	322.3	314.0	305.3	298.0	296.0
50°	3257.2	2204.4	655.7	352.9	346.6	348.0	314.0	309.1	301.4	295.5	292.6
52.5°	3268.4	2112.0	565.8	340.3	340.7	327.6	306.7	302.8	298.0	288.7	285.3
55°	3273.3	2028.9	485.1	332.5	336.9	301.4	298.9	296.0	292.1	282.4	280.5
57.5°	3285.9	1922.5	421.9	326.6	332.0	289.2	290.2	288.2	283.4	279.0	278.0
60°	3249.9	1775.2	373.3	320.8	325.2	279.0	280.0	281.0	276.6	275.6	275.1
62.5°	3129.4	1566.2	332.0	313.0	311.1	268.8	268.8	272.7	268.8	270.3	270.3
65°	2881.0	1299.8	295.1	298.5	289.2	257.6	257.1	263.9	258.1	264.4	264.9
67.5°	2457.6	983.8	257.1	275.6	266.4	246.0	247.9	253.2	245.5	258.6	258.6
70°	1945.3	669.3	217.8	243.5	243.0	232.8	239.2	238.7	229.9	249.4	246.0
72.5°	1449.0	429.7	177.4	204.2	212.4	218.7	230.4	220.2	211.9	223.1	212.9
75°	1012.5	269.3	140.0	161.4	176.9	203.2	219.7	199.3	187.1	183.7	180.8
77.5°	606.1	172.1	110.3	123.0	138.0	184.7	206.1	177.4	158.9	157.0	151.2
80°	279.5	112.3	84.1	91.9	98.2	158.5	187.6	151.7	129.3	127.4	120.5
82.5°	126.4	73.9	62.7	65.6	66.1	125.9	158.5	120.1	98.7	159.9	138.5
85°	58.8	47.6	40.8	38.9	39.4	84.1	115.2	82.6	112.3	87.5	66.6
87.5°	25.3	24.3	20.9	16.5	15.1	18.0	44.2	34.5	49.1	19.4	13.1
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)