

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: P672105

Luminaire Tested: **CCP-SA-2A-735-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672105
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-735-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2R distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5481.7 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

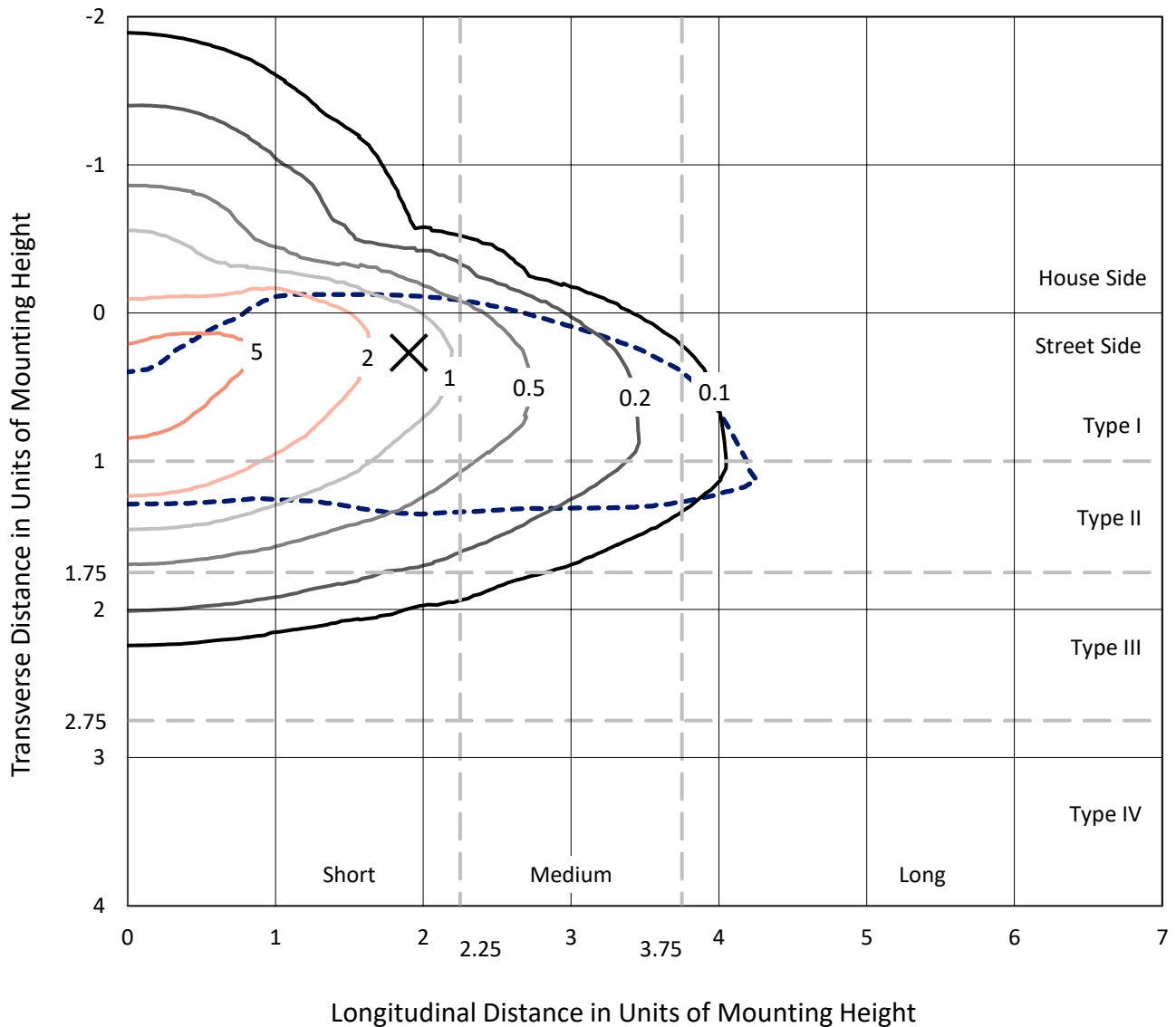
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

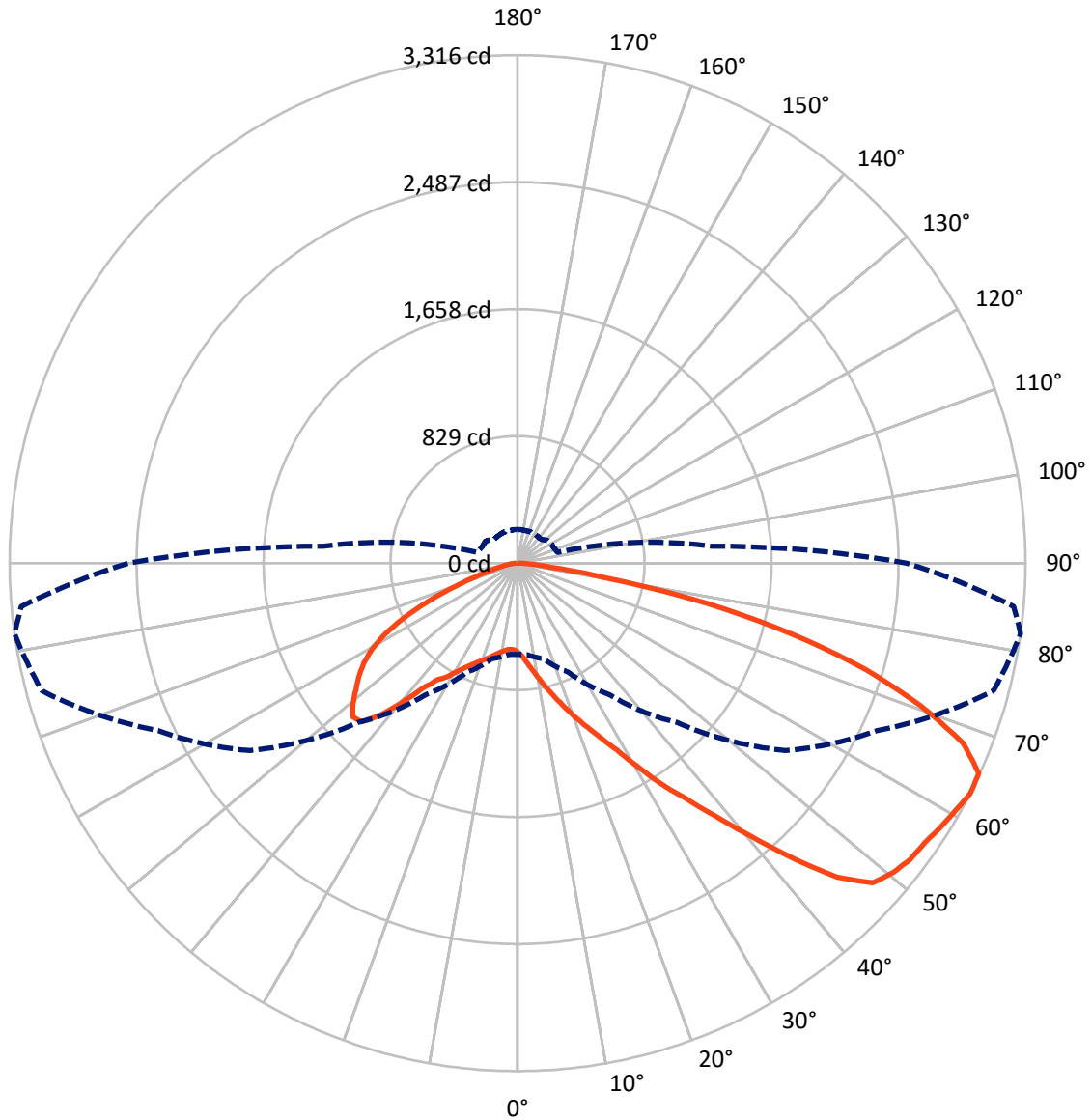
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.4 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	1032.7	0.0	1032.7
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4449.0	0.0	4449.0
	% Fixture	81.2	0.0	81.2
Total	Lumens	5481.7	0.0	5481.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	1.2
10°-20°	243.3	4.4
20°-30°	503.9	9.2
30°-40°	855.2	15.6
40°-50°	1164.6	21.2
50°-60°	1178.8	21.5
60°-70°	929.1	16.9
70°-80°	457.7	8.3
80°-90°	84.7	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°	5481.7	100.0
0°-180°	5481.7	100.0



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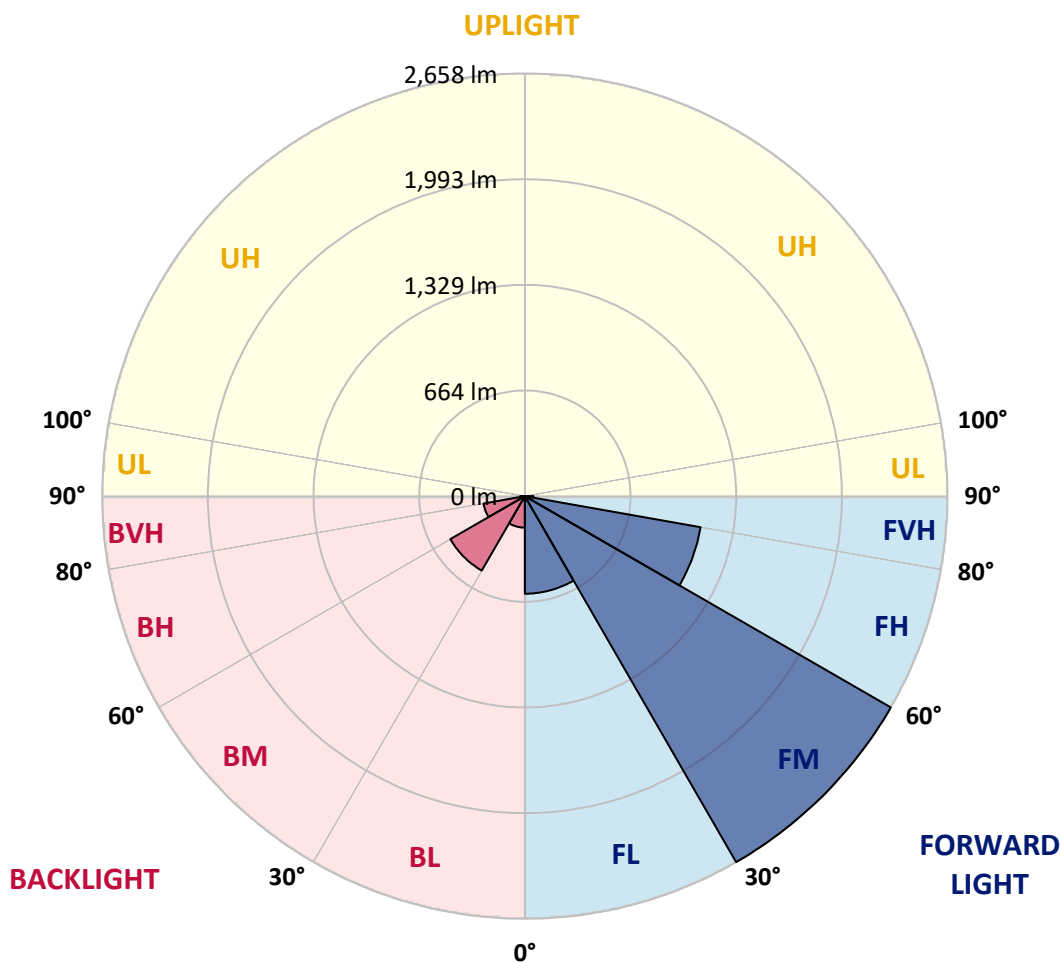
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	613.5	11.2			
FM (30°-60°)	2657.7	48.5			
FH (60°-80°)	1122.7	20.5			G1/1800
FVH (80°-90°)	55.0	1.0			G1/100
BL (0°-30°)	198.2	3.6	B1/500		
BM (30°-60°)	540.9	9.9	B1/1000		
BH (60°-80°)	264.0	4.8	B1/500		G1/500
BVH (80°-90°)	29.7	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°	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9
2.5°	776.3	764.5	758.2	751.1	731.3	718.7	695.0	667.4	635.4	608.2	603.1
5°	940.1	928.3	929.9	912.5	883.7	856.9	812.7	760.6	699.8	653.2	637.0
7.5°	1055.8	1042.7	1045.9	1038.8	1015.5	985.9	929.9	862.8	774.0	704.9	678.9
10°	1133.1	1134.7	1137.1	1134.3	1119.3	1098.4	1042.7	968.5	858.0	766.1	730.6
12.5°	1220.8	1225.1	1224.3	1225.5	1217.6	1201.0	1146.6	1076.7	947.6	832.0	785.8
15°	1332.4	1328.1	1331.7	1336.8	1328.1	1309.9	1261.8	1178.9	1041.6	905.4	848.2
17.5°	1454.8	1445.7	1455.2	1450.1	1443.7	1431.9	1379.0	1290.6	1138.7	984.7	917.6
20°	1560.6	1554.7	1559.8	1560.6	1561.8	1559.4	1504.9	1411.0	1240.5	1071.2	992.6
22.5°	1679.4	1676.6	1675.8	1676.2	1677.4	1680.2	1643.1	1542.8	1353.4	1161.9	1073.5
25°	1845.5	1842.8	1824.6	1804.5	1792.6	1801.3	1782.0	1692.4	1478.1	1263.8	1162.3
27.5°	2031.8	2027.5	2003.4	1952.5	1914.6	1920.9	1918.9	1857.4	1621.7	1380.6	1268.9
30°	2225.2	2214.6	2181.4	2110.0	2050.4	2039.3	2044.8	2024.3	1802.5	1535.7	1417.3
32.5°	2397.7	2378.0	2334.1	2261.9	2190.9	2158.9	2159.7	2168.8	1999.1	1716.5	1572.8
35°	2503.1	2490.0	2457.3	2384.3	2304.9	2283.6	2277.7	2323.1	2179.4	1883.8	1712.1
37.5°	2559.9	2547.3	2512.2	2453.3	2393.4	2384.7	2395.7	2466.0	2384.3	2092.6	1901.6
40°	2549.6	2536.2	2513.3	2472.3	2432.8	2439.5	2488.5	2597.0	2608.1	2342.4	2171.5
42.5°	2465.2	2451.0	2449.0	2446.2	2427.7	2457.3	2545.7	2692.9	2813.7	2631.0	2498.3
45°	2316.0	2307.3	2317.6	2364.9	2388.2	2445.4	2572.5	2739.5	2994.5	2924.2	2807.4
47.5°	2126.9	2121.8	2145.1	2220.1	2295.5	2409.1	2590.3	2752.1	3118.8	3118.8	3009.8
50°	1915.4	1913.4	1944.2	2053.1	2171.1	2342.4	2588.3	2764.0	3173.2	3176.0	3081.3
52.5°	1620.2	1630.4	1712.5	1856.2	2016.4	2237.8	2560.7	2797.1	3204.0	3210.3	3129.0
55°	1280.0	1289.8	1413.8	1607.1	1812.4	2110.8	2478.2	2787.2	3209.9	3224.2	3156.3
57.5°	1021.8	1023.8	1101.2	1330.9	1585.0	1948.2	2383.1	2721.7	3192.6	3254.5	3198.1
60°	799.6	805.9	857.6	1039.6	1321.4	1738.6	2276.9	2657.0	3202.4	3283.4	3236.0
62.5°	595.6	597.2	645.3	786.2	1049.9	1471.4	2132.9	2587.9	3216.3	3315.7	3251.4
65°	388.0	387.6	434.2	561.2	784.2	1182.9	1906.7	2479.8	3217.4	3308.6	3180.7
67.5°	246.7	248.3	268.4	348.5	524.9	892.8	1598.9	2278.9	3161.4	3136.5	2923.4
70°	200.1	200.5	206.8	227.7	319.7	610.2	1201.8	1964.7	2984.2	2793.6	2541.0
72.5°	178.4	178.8	181.9	184.3	213.1	366.7	788.6	1595.3	2669.2	2381.1	2108.0
75°	160.2	160.2	162.2	159.8	174.8	230.1	447.6	1199.4	2198.4	1854.2	1592.5
77.5°	140.5	140.1	140.1	138.9	151.2	168.1	224.2	837.1	1583.5	1264.6	1032.9
80°	119.2	118.4	119.6	118.8	130.6	127.5	130.6	516.6	858.4	579.8	439.7
82.5°	92.8	92.8	96.3	97.1	107.7	92.4	92.0	245.1	326.0	216.7	162.2
85°	48.5	54.5	73.4	76.6	81.3	58.0	67.5	114.5	130.6	82.9	59.2
87.5°	14.6	15.4	45.0	50.5	50.1	29.2	41.4	55.3	61.2	36.7	24.1
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°	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9
2.5°	590.0	576.2	547.0	521.0	501.2	482.3	469.3	462.6	453.9	455.1	452.3
5°	608.2	579.8	528.1	486.2	458.2	436.9	423.9	417.2	410.9	407.7	410.1
7.5°	635.4	591.2	519.0	468.5	439.3	421.1	414.0	412.0	410.5	409.3	411.3
10°	670.6	611.4	517.4	462.2	435.3	424.3	421.5	420.3	418.8	417.2	418.4
12.5°	706.5	633.5	523.0	463.8	441.6	433.4	429.8	428.2	424.3	422.3	422.7
15°	751.5	660.3	530.5	470.1	449.9	439.3	434.5	430.2	423.9	421.1	422.3
17.5°	799.6	692.3	540.7	476.0	453.1	440.1	430.6	424.3	418.0	414.0	414.4
20°	854.1	723.8	549.8	478.0	451.5	433.4	421.9	414.4	406.1	401.8	400.6
22.5°	910.5	757.0	556.9	476.4	442.8	421.9	408.9	399.8	389.9	383.2	383.6
25°	979.2	802.0	562.8	470.9	431.4	406.9	392.3	380.9	370.6	364.3	364.7
27.5°	1061.7	852.9	569.9	462.2	417.6	390.7	373.8	362.3	352.5	346.5	345.7
30°	1171.8	919.2	577.8	451.5	400.2	373.0	356.4	344.6	335.1	329.6	329.6
32.5°	1295.7	1000.1	583.3	438.9	380.9	354.0	339.0	329.6	322.5	315.0	314.2
35°	1403.5	1062.9	600.3	429.0	363.9	336.3	326.0	319.3	308.6	301.5	300.4
37.5°	1561.8	1173.4	650.4	426.3	343.4	322.5	320.5	307.9	295.6	282.2	281.0
40°	1816.7	1364.8	708.8	412.8	322.1	315.0	313.0	296.0	267.2	258.9	257.3
42.5°	2141.1	1595.3	715.2	373.8	307.1	308.6	302.7	269.6	256.9	250.6	249.0
45°	2434.0	1782.4	679.2	333.9	296.0	299.2	286.9	259.7	252.6	246.7	245.1
47.5°	2598.6	1840.0	611.4	303.9	287.7	290.9	261.7	255.0	247.9	241.9	240.4
50°	2644.8	1789.9	532.4	286.5	281.4	282.6	255.0	251.0	244.7	240.0	237.6
52.5°	2653.8	1714.9	459.4	276.3	276.7	266.0	249.0	245.9	241.9	234.4	231.7
55°	2657.8	1647.4	393.9	270.0	273.5	244.7	242.7	240.4	237.2	229.3	227.7
57.5°	2668.1	1561.0	342.6	265.2	269.6	234.8	235.6	234.0	230.1	226.5	225.8
60°	2638.8	1441.4	303.1	260.5	264.0	226.5	227.3	228.1	224.6	223.8	223.4
62.5°	2541.0	1271.7	269.6	254.2	252.6	218.3	218.3	221.4	218.3	219.4	219.4
65°	2339.3	1055.4	239.6	242.3	234.8	209.2	208.8	214.3	209.6	214.7	215.1
67.5°	1995.5	798.8	208.8	223.8	216.3	199.7	201.3	205.6	199.3	210.0	210.0
70°	1579.5	543.5	176.8	197.7	197.3	189.1	194.2	193.8	186.7	202.5	199.7
72.5°	1176.5	348.9	144.1	165.8	172.5	177.6	187.1	178.8	172.1	181.2	172.9
75°	822.1	218.7	113.7	131.0	143.7	165.0	178.4	161.8	152.0	149.2	146.8
77.5°	492.2	139.7	89.6	99.9	112.1	150.0	167.3	144.1	129.1	127.5	122.7
80°	226.9	91.2	68.3	74.6	79.7	128.7	152.3	123.1	105.0	103.4	97.9
82.5°	102.6	60.0	50.9	53.3	53.7	102.2	128.7	97.5	80.1	129.9	112.5
85°	47.8	38.7	33.2	31.6	32.0	68.3	93.5	67.1	91.2	71.0	54.1
87.5°	20.5	19.7	17.0	13.4	12.2	14.6	35.9	28.0	39.9	15.8	10.7
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)