

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: P674676

Luminaire Tested: **CCP-SA-2B-727-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674676
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-727-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

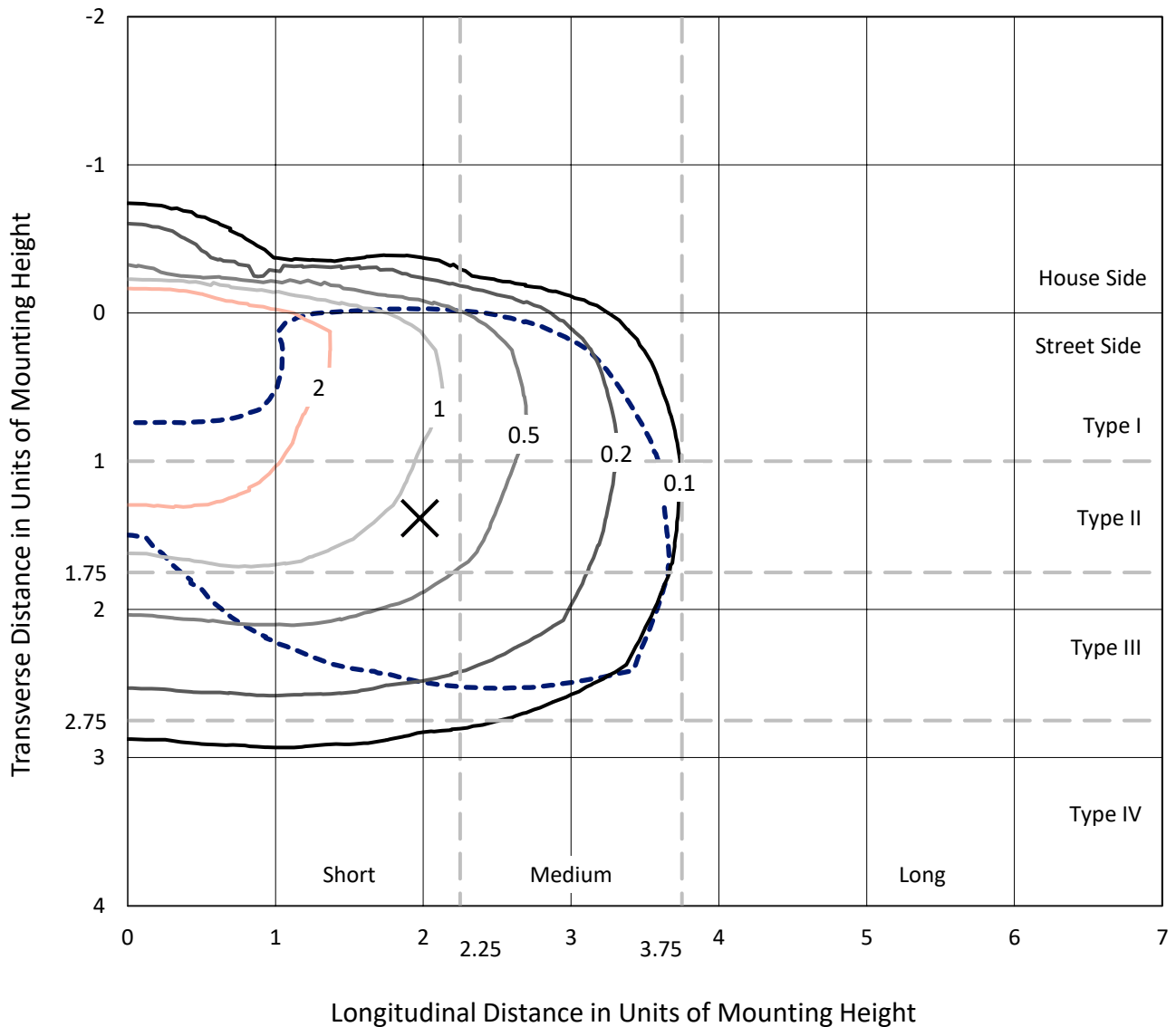
Lumens per Lamp: N/A
Luminaire Lumens: 4580.6 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 46
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

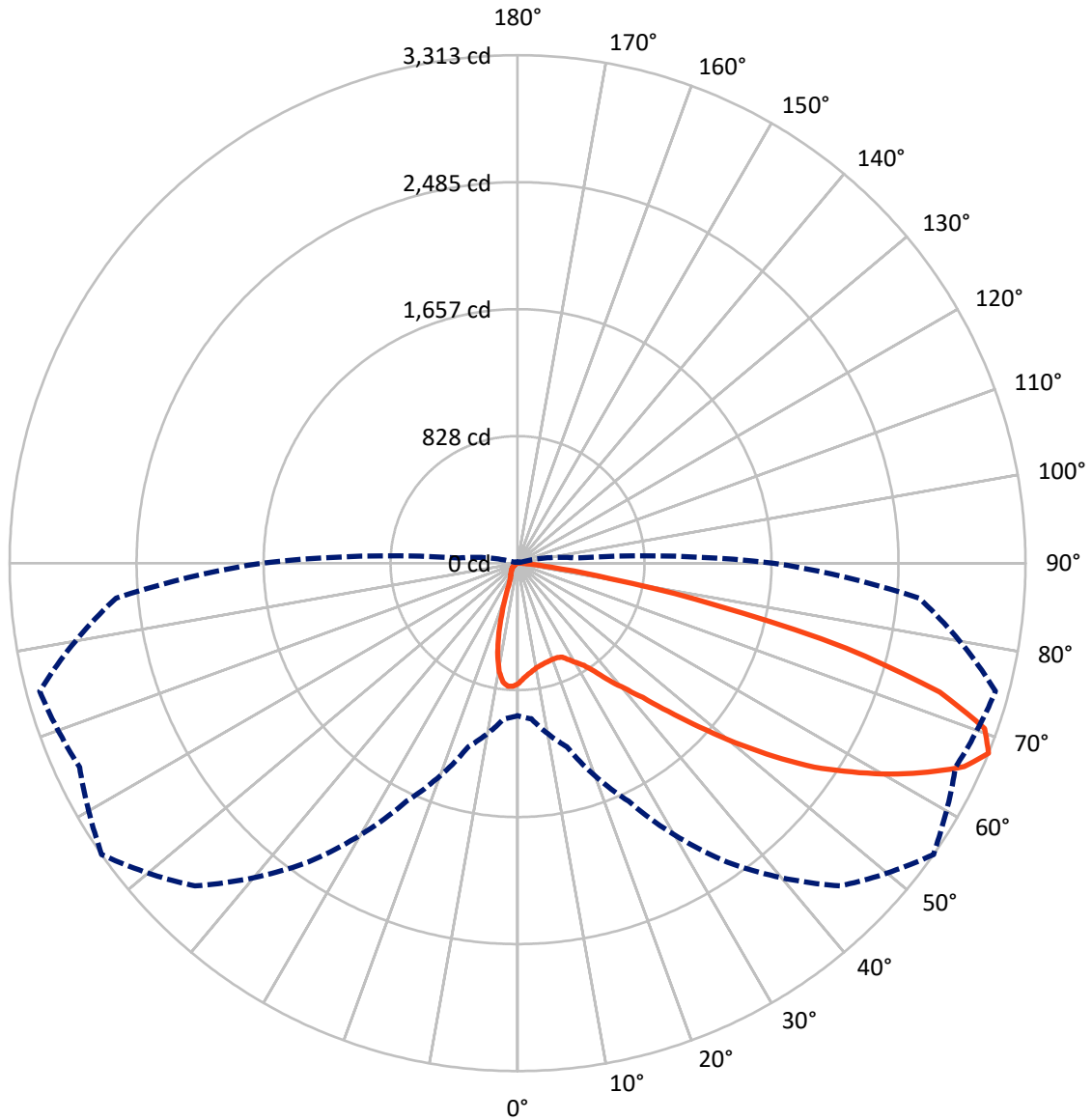
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	411.5	0.0	411.5
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4169.1	0.0	4169.1
	% Fixture	91.0	0.0	91.0
Total	Lumens	4580.6	0.0	4580.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	1.5
10°-20°	156.9	3.4
20°-30°	251.7	5.5
30°-40°	436.5	9.5
40°-50°	727.8	15.9
50°-60°	1064.3	23.2
60°-70°	1240.9	27.1
70°-80°	602.2	13.1
80°-90°	31.5	0.7
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°	4580.6	100.0
0°-180°	4580.6	100.0



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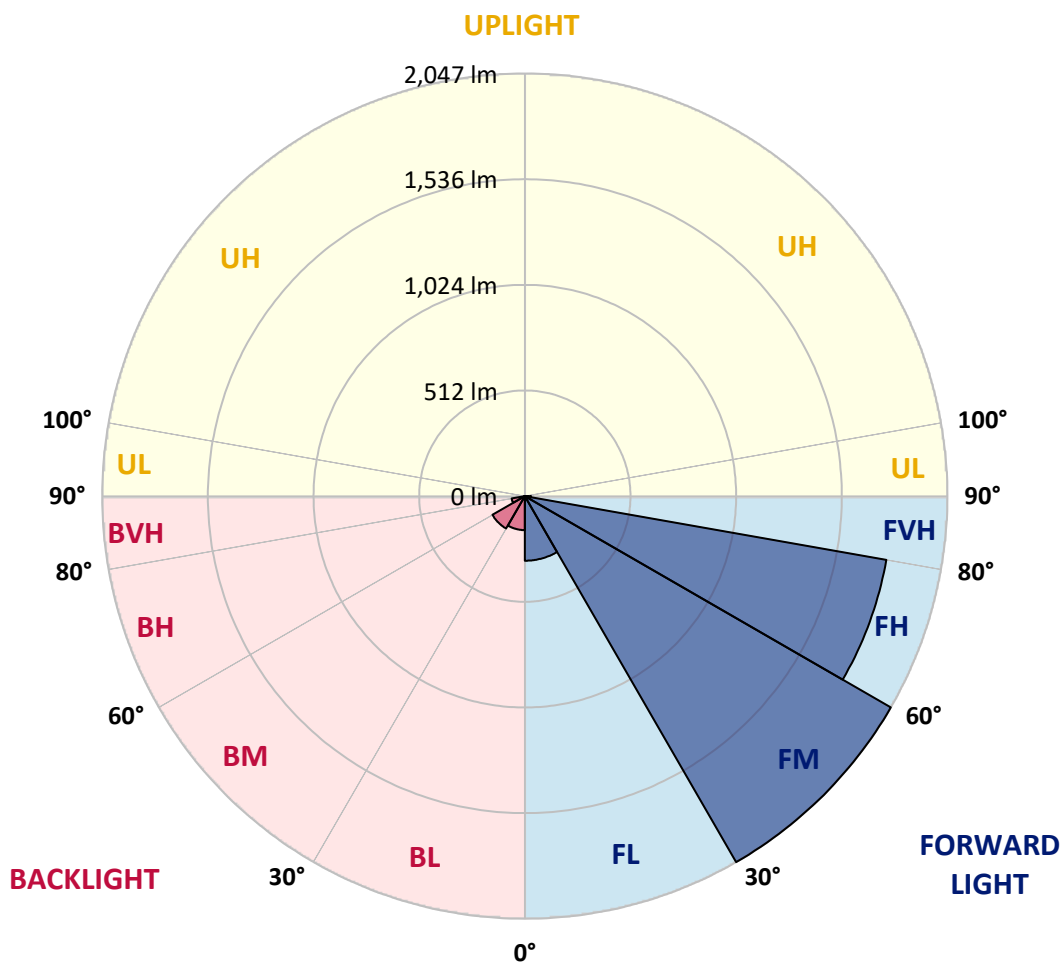
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	312.9	6.8			
FM (30°-60°)	2047.4	44.7			
FH (60°-80°)	1778.3	38.8			G1/1800
FVH (80°-90°)	30.6	0.7			G1/100
BL (0°-30°)	164.5	3.6	B1/500		
BM (30°-60°)	181.2	4.0	B0/220		
BH (60°-80°)	64.9	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	785.0	785.0	785.0	785.0	785.0	785.0	785.0	785.0	785.0	785.0	785.0
2.5°	724.6	729.3	735.2	737.3	744.5	754.6	751.6	749.5	760.9	776.5	781.6
5°	679.5	679.9	689.2	695.9	708.2	717.9	728.4	727.6	748.3	774.9	791.7
7.5°	635.2	636.0	645.7	656.3	674.0	693.0	709.0	708.2	741.5	777.0	809.0
10°	576.9	581.1	593.0	611.5	639.4	669.4	691.7	693.8	733.9	785.0	832.7
12.5°	530.1	532.2	545.3	569.3	602.2	641.5	683.3	682.0	735.6	799.8	863.5
15°	510.2	509.0	517.0	534.7	572.3	621.7	674.8	677.8	741.5	816.6	895.6
17.5°	514.9	513.6	517.8	524.2	550.8	605.2	670.2	675.3	750.8	834.4	925.5
20°	566.4	557.5	549.9	543.2	547.0	591.7	667.2	672.7	756.3	847.9	957.2
22.5°	665.6	654.6	634.3	596.8	571.9	592.5	668.1	675.3	768.5	869.8	995.6
25°	827.2	816.6	773.2	696.4	630.5	622.9	679.5	687.1	796.8	903.2	1036.5
27.5°	1041.2	1017.5	964.8	854.6	727.6	671.5	713.7	722.1	836.9	928.9	1064.4
30°	1218.8	1213.4	1162.7	1027.7	861.4	742.8	752.1	756.7	855.0	944.5	1092.2
32.5°	1403.3	1391.9	1345.5	1214.2	1016.7	844.5	795.1	797.2	878.7	967.7	1132.7
35°	1563.6	1553.1	1514.3	1386.8	1198.2	981.2	866.4	861.8	927.6	1018.8	1187.6
37.5°	1712.2	1710.9	1676.8	1546.8	1361.1	1123.0	971.5	967.7	1004.0	1074.9	1261.9
40°	1857.4	1854.0	1824.9	1706.3	1521.4	1264.4	1071.6	1061.8	1069.0	1153.4	1359.8
42.5°	1946.4	1953.6	1963.7	1888.6	1711.8	1430.3	1198.2	1192.3	1191.0	1276.2	1488.5
45°	1994.5	2007.2	2066.7	2060.0	1913.5	1636.7	1378.4	1363.2	1358.1	1445.1	1635.8
47.5°	2041.4	2046.9	2144.4	2185.3	2106.8	1851.9	1596.1	1575.0	1554.4	1651.0	1811.8
50°	2044.3	2053.2	2173.9	2273.5	2268.9	2063.8	1840.5	1821.9	1798.3	1901.7	1983.6
52.5°	2003.0	2020.7	2170.1	2329.2	2369.3	2250.7	2094.1	2079.0	2059.5	2136.8	2128.3
55°	1717.3	1747.2	2095.8	2334.3	2439.8	2411.1	2349.1	2328.0	2309.0	2363.8	2270.1
57.5°	1581.4	1598.3	1870.5	2330.5	2529.7	2559.7	2570.2	2560.5	2533.9	2602.3	2418.3
60°	1499.9	1524.4	1762.8	2288.3	2626.8	2727.6	2793.9	2774.5	2742.0	2836.1	2577.0
62.5°	1402.4	1420.2	1655.6	2166.7	2684.6	2898.5	3003.6	2985.9	2918.8	3051.7	2705.3
65°	1222.6	1249.2	1485.1	1975.6	2606.9	3023.9	3201.1	3195.2	3078.8	3214.7	2740.3
67.5°	995.2	1019.2	1239.1	1713.5	2379.9	2977.0	3313.0	3294.4	3151.3	3226.9	2629.3
70°	747.0	760.1	925.9	1309.2	1949.8	2726.8	3232.0	3228.2	3041.2	3045.4	2288.7
72.5°	400.9	437.2	615.8	876.1	1371.2	2208.5	2880.4	2865.2	2713.3	2494.2	1645.9
75°	140.1	150.7	327.9	492.1	744.9	1471.2	2214.8	2179.4	2029.2	1622.3	896.8
77.5°	86.1	94.5	145.6	251.5	289.9	638.5	1330.7	1284.7	1187.6	701.4	306.4
80°	59.5	67.1	97.5	131.7	98.8	206.8	612.4	595.1	457.9	167.1	70.5
82.5°	33.3	40.1	73.9	64.6	39.7	53.6	212.3	196.7	122.0	45.2	23.6
85°	19.4	23.2	51.9	45.6	20.3	19.0	55.3	49.4	31.7	16.9	11.4
87.5°	10.1	13.1	38.0	30.4	12.2	6.8	12.7	12.2	8.0	5.9	7.6
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°	785.0	785.0	785.0	785.0	785.0	785.0	785.0	785.0	785.0	785.0	785.0
2.5°	790.9	788.8	799.8	803.6	802.7	801.0	805.2	799.8	799.3	798.1	796.8
5°	805.2	808.6	817.5	817.5	805.7	786.3	774.4	758.4	744.9	736.9	735.6
7.5°	826.8	833.5	839.4	821.3	780.8	732.7	681.6	641.5	606.5	588.3	586.6
10°	857.2	863.5	858.8	806.9	720.0	620.4	537.3	453.7	411.9	389.1	389.1
12.5°	893.5	898.5	870.2	771.1	620.0	475.6	364.6	276.9	235.1	208.1	206.4
15°	932.7	934.0	868.6	708.6	496.3	319.5	209.3	153.6	135.9	132.1	131.3
17.5°	966.9	961.8	850.8	616.2	357.5	190.3	132.9	120.3	116.9	116.9	116.9
20°	999.0	982.1	815.4	508.6	229.2	129.6	114.4	111.0	111.0	111.4	111.4
22.5°	1034.4	1001.1	764.7	389.1	147.3	111.0	107.2	105.5	105.1	106.4	105.9
25°	1076.2	1019.6	692.1	268.8	113.9	103.4	101.7	100.0	100.0	100.0	100.0
27.5°	1099.4	1017.1	609.4	169.7	99.6	95.8	94.1	92.4	91.2	90.7	91.2
30°	1119.7	1002.3	501.4	118.6	89.9	85.7	84.4	82.3	79.8	78.9	78.9
32.5°	1146.3	990.1	388.3	95.4	81.5	76.8	73.0	69.6	65.4	63.7	63.3
35°	1175.8	967.7	284.5	84.0	73.9	67.9	62.0	56.6	51.1	49.4	49.0
37.5°	1212.5	947.5	192.9	77.7	67.5	60.4	52.3	44.7	39.7	38.8	38.8
40°	1262.3	930.6	133.4	72.2	61.6	53.2	43.5	35.5	32.1	31.2	31.2
42.5°	1330.3	916.7	100.9	67.5	56.6	46.0	35.0	29.1	26.6	25.7	25.7
45°	1410.4	895.1	85.3	63.3	51.5	38.8	29.1	24.5	23.2	23.2	23.2
47.5°	1502.5	868.1	77.7	59.1	46.0	31.7	24.5	22.4	21.9	21.9	22.4
50°	1595.3	836.1	72.2	54.0	39.7	27.0	22.4	21.1	21.1	21.5	21.5
52.5°	1658.2	785.8	66.7	48.5	33.3	23.6	21.1	20.7	20.3	20.3	20.3
55°	1719.4	741.9	59.1	42.6	27.9	21.9	20.3	19.8	19.8	19.4	19.4
57.5°	1783.1	707.3	49.4	35.5	23.6	20.7	19.4	19.4	18.6	18.1	18.1
60°	1857.0	676.9	38.0	27.9	20.7	19.4	18.1	17.7	16.9	16.0	16.0
62.5°	1878.5	612.8	28.7	22.4	17.7	16.9	16.5	15.6	13.5	11.8	12.2
65°	1822.4	511.9	22.8	17.7	14.3	14.3	13.1	11.0	8.9	7.6	7.6
67.5°	1667.5	382.4	18.6	13.9	11.4	11.0	9.3	8.0	5.5	4.6	4.6
70°	1374.2	252.8	15.2	11.0	9.3	7.6	6.3	5.9	4.2	3.4	3.4
72.5°	963.1	137.2	12.7	8.9	6.8	5.1	4.2	3.8	3.0	2.5	2.1
75°	508.6	52.8	10.1	6.8	4.2	3.4	2.5	2.5	2.1	1.7	1.7
77.5°	174.3	22.4	7.2	3.8	3.0	2.1	1.7	1.3	1.7	1.3	1.3
80°	41.4	13.1	4.6	2.5	1.7	1.3	1.3	0.8	0.8	0.8	0.8
82.5°	18.1	7.6	3.0	1.7	1.7	1.3	0.8	0.4	0.4	0.4	0.4
85°	12.2	4.6	2.1	1.7	1.3	0.8	0.4	0.4	0.0	0.0	0.0
87.5°	9.7	3.0	1.7	1.7	1.3	0.8	0.4	0.0	0.0	0.0	0.0
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)