

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: P674551

Luminaire Tested: **CCP-SA-1E-735-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674551
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-735-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

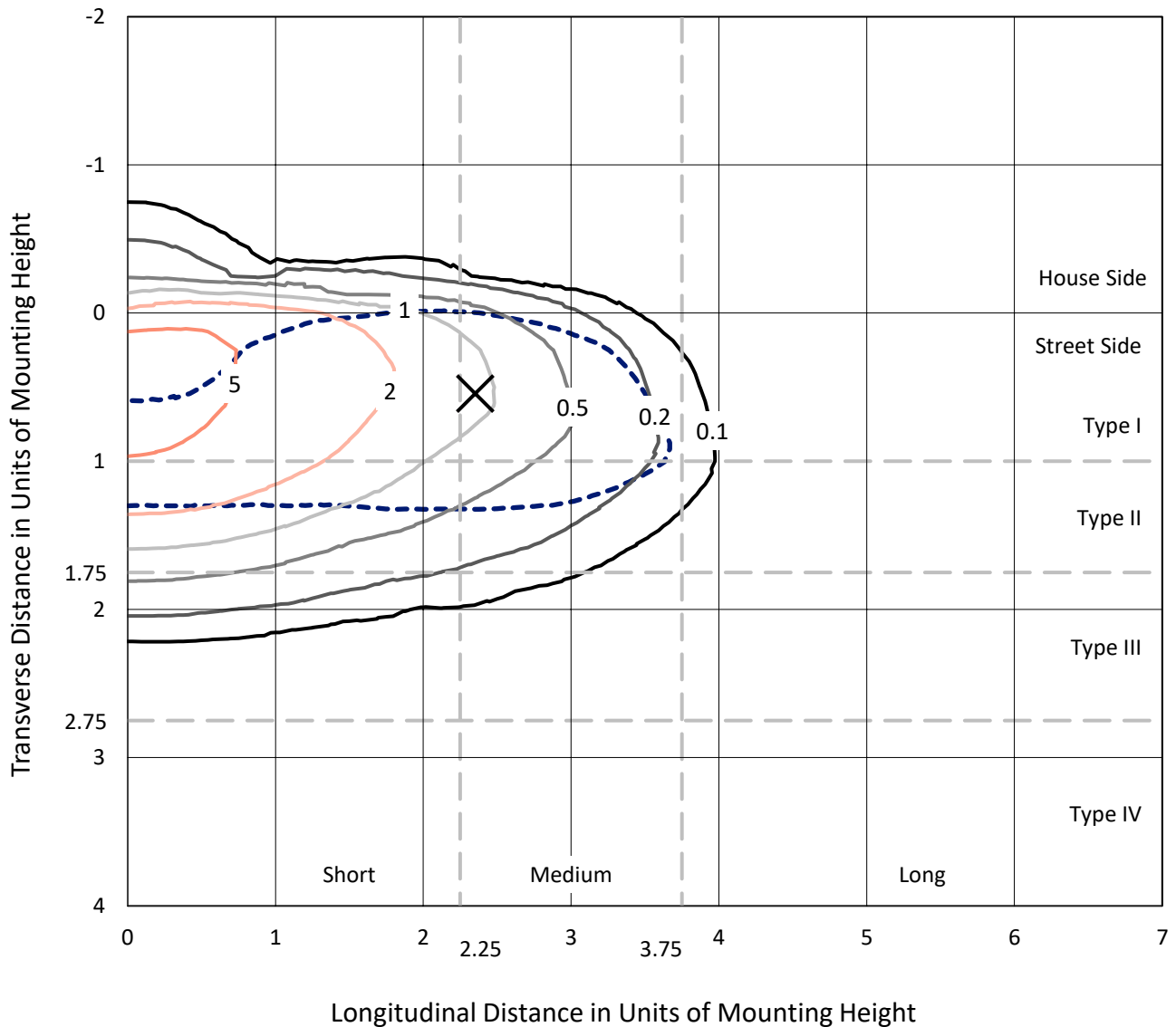
Lumens per Lamp: N/A
Luminaire Lumens: 5460.1 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 56.1
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

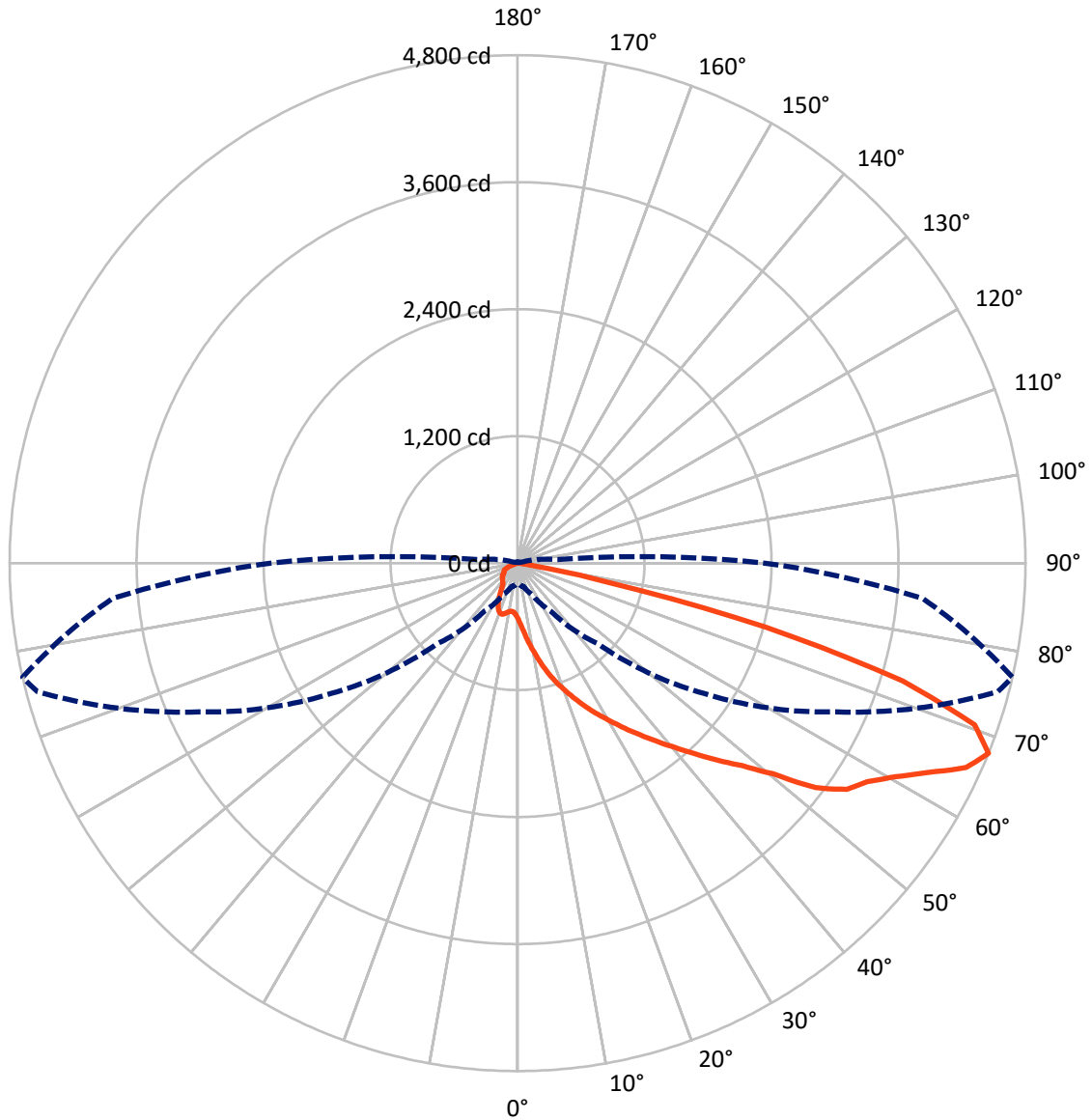
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	341.2	0.0	341.2
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	5118.9	0.0	5118.9
	% Fixture	93.8	0.0	93.8
Total	Lumens	5460.1	0.0	5460.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	1.1
10°-20°	227.3	4.2
20°-30°	444.1	8.1
30°-40°	776.4	14.2
40°-50°	1132.2	20.7
50°-60°	1324.0	24.2
60°-70°	1073.2	19.7
70°-80°	403.2	7.4
80°-90°	18.3	0.3
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°	5460.1	100.0
0°-180°	5460.1	100.0



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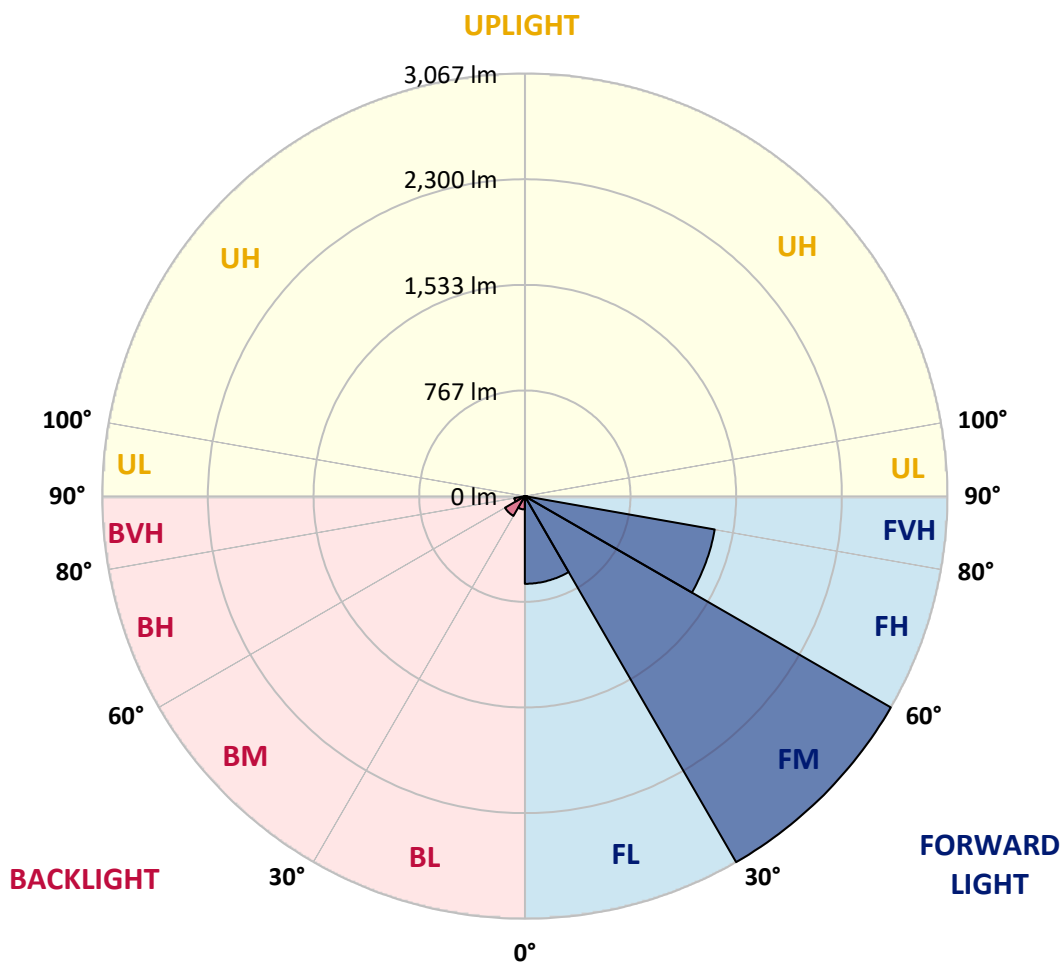
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	636.1	11.6			
FM (30°-60°)	3066.5	56.2			
FH (60°-80°)	1399.1	25.6			G1/1800
FVH (80°-90°)	17.3	0.3			G1/100
BL (0°-30°)	96.8	1.8	B0/110		
BM (30°-60°)	166.0	3.0	B0/220		
BH (60°-80°)	77.4	1.4	B0/110		G0/110
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	523.0	523.0	523.0	523.0	523.0	523.0	523.0	523.0	523.0	523.0	523.0
2.5°	785.2	756.6	762.0	750.2	734.9	699.4	662.0	624.5	591.0	583.6	550.1
5°	1005.5	996.7	987.3	979.4	947.4	903.0	835.5	749.7	672.3	659.0	589.5
7.5°	1176.6	1163.3	1171.6	1147.5	1114.0	1071.1	985.3	893.6	774.4	754.6	646.7
10°	1302.8	1295.4	1299.3	1288.0	1271.7	1228.8	1144.0	1029.2	891.2	853.7	710.8
12.5°	1397.4	1398.9	1416.1	1417.1	1403.8	1368.8	1279.1	1159.3	997.2	963.6	781.8
15°	1466.4	1467.9	1489.1	1511.8	1527.0	1508.8	1427.5	1293.4	1121.9	1076.0	856.2
17.5°	1477.7	1478.7	1516.2	1562.0	1609.3	1625.1	1562.5	1426.5	1235.7	1183.5	941.5
20°	1485.1	1493.5	1527.0	1579.8	1654.7	1703.5	1669.5	1554.1	1346.1	1285.5	1025.3
22.5°	1574.8	1574.8	1594.6	1632.0	1691.7	1768.1	1761.2	1671.5	1453.6	1393.5	1108.6
25°	1765.1	1765.1	1745.9	1736.0	1768.1	1828.2	1845.5	1796.7	1576.3	1505.3	1196.3
27.5°	2017.0	2017.0	1986.9	1914.5	1886.9	1912.0	1930.2	1905.6	1689.7	1619.7	1289.0
30°	2278.2	2287.1	2234.8	2142.7	2046.1	2026.8	2009.1	2003.7	1810.5	1731.6	1383.1
32.5°	2540.5	2539.5	2474.4	2359.6	2233.4	2165.3	2107.7	2101.3	1938.6	1861.2	1472.3
35°	2749.9	2750.4	2681.9	2564.1	2418.2	2331.5	2238.8	2208.7	2079.1	1992.8	1578.8
37.5°	2931.3	2921.0	2847.0	2735.2	2599.1	2509.4	2394.1	2315.7	2224.5	2136.8	1685.3
40°	3035.3	3021.5	2949.6	2843.1	2740.1	2671.6	2570.0	2444.8	2384.2	2289.6	1806.5
42.5°	3050.6	3038.8	2991.0	2926.9	2842.6	2782.5	2755.4	2590.7	2551.8	2466.0	1951.4
45°	3007.7	2988.5	2972.7	2939.2	2915.6	2886.5	2923.4	2746.0	2744.0	2658.8	2094.9
47.5°	2901.3	2875.1	2879.1	2916.0	2942.7	2968.8	3084.1	2949.6	2937.7	2857.9	2283.2
50°	2719.4	2706.6	2749.9	2822.9	2928.4	3032.9	3244.3	3157.6	3204.4	3129.5	2542.9
52.5°	2349.7	2365.5	2495.1	2670.6	2853.0	3062.9	3394.7	3468.1	3587.9	3526.3	2804.2
55°	1906.1	1900.2	2073.2	2384.7	2676.0	3043.7	3460.2	3651.0	3839.3	3774.7	2949.6
57.5°	1535.4	1545.8	1662.6	1970.7	2375.8	2895.3	3475.5	3746.6	3940.3	3897.4	3084.1
60°	1152.4	1162.3	1268.7	1536.9	1976.6	2585.8	3349.3	3780.1	4130.1	4097.6	3299.0
62.5°	733.4	746.3	853.2	1114.0	1510.8	2104.7	3065.9	3745.1	4328.2	4355.3	3592.3
65°	360.8	372.1	451.0	650.6	1010.0	1573.9	2670.6	3611.5	4580.6	4658.0	3827.4
67.5°	199.6	205.1	232.2	331.2	563.4	1079.5	2146.1	3326.2	4696.4	4799.9	3843.2
70°	155.3	156.7	167.1	193.2	274.6	633.4	1526.5	2851.0	4456.4	4581.6	3523.3
72.5°	130.6	132.6	137.5	146.4	171.5	329.8	959.2	2203.3	3749.6	3806.2	2725.8
75°	95.6	98.6	112.4	120.3	135.5	200.1	422.9	1324.0	2477.9	2422.2	1525.1
77.5°	80.3	82.8	86.3	97.6	111.9	136.5	148.4	555.0	1008.5	876.9	400.2
80°	54.7	57.7	67.0	73.0	94.6	90.2	61.6	148.9	202.6	165.1	76.9
82.5°	38.9	41.4	46.3	59.6	68.5	47.8	33.5	45.3	48.8	46.3	25.1
85°	12.3	15.8	33.5	49.3	37.0	16.3	21.2	17.3	15.3	14.8	9.9
87.5°	2.5	2.5	16.8	19.7	14.8	8.4	7.4	5.4	6.9	6.9	5.4
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°	523.0	523.0	523.0	523.0	523.0	523.0	523.0	523.0	523.0	523.0	523.0
2.5°	534.3	512.1	480.1	450.0	419.5	397.8	382.5	367.2	361.3	358.8	352.4
5°	558.0	515.6	452.0	400.7	363.3	339.6	325.3	313.0	305.1	302.6	299.2
7.5°	592.0	530.9	439.7	380.5	343.1	317.4	294.3	267.6	246.5	238.1	234.6
10°	629.0	554.0	441.6	376.6	326.8	270.6	218.9	176.0	157.2	150.3	145.4
12.5°	683.2	579.7	450.0	372.1	278.0	193.2	140.0	122.2	117.8	116.8	115.8
15°	737.4	615.6	463.8	342.6	207.5	131.6	116.3	109.9	107.5	105.0	105.0
17.5°	792.1	650.1	469.2	284.9	143.4	113.9	106.0	100.6	96.6	94.6	93.2
20°	853.7	686.6	453.5	214.4	114.8	104.0	95.1	88.7	85.3	83.3	81.8
22.5°	920.3	722.6	419.0	149.4	104.5	93.7	85.3	78.9	75.4	73.4	73.0
25°	982.9	753.7	363.8	112.4	94.1	83.8	75.9	70.5	68.0	66.0	65.6
27.5°	1047.4	780.3	291.8	99.1	85.8	75.9	68.0	63.6	61.1	59.6	59.1
30°	1110.5	798.5	217.4	90.7	78.4	68.5	61.6	58.2	55.7	54.2	53.7
32.5°	1175.6	808.9	146.9	83.3	71.0	62.1	56.2	52.7	51.3	49.8	49.8
35°	1238.2	807.4	106.0	76.4	65.1	56.2	50.8	48.3	47.8	46.3	46.3
37.5°	1306.7	797.0	90.2	70.0	58.7	50.8	46.3	44.9	44.4	43.4	42.9
40°	1384.6	773.9	82.3	65.1	53.2	46.3	42.4	41.4	40.9	39.9	39.9
42.5°	1469.9	743.8	77.9	59.6	48.8	41.9	38.9	37.5	37.0	36.0	36.0
45°	1568.9	715.2	74.9	54.2	44.9	38.4	35.5	34.0	33.5	32.5	32.5
47.5°	1704.0	698.9	70.0	49.3	40.4	35.0	32.0	31.1	30.1	29.1	29.1
50°	1889.8	679.7	63.6	44.4	37.0	31.5	29.6	28.1	27.6	26.6	26.6
52.5°	2042.6	638.8	57.2	39.4	33.0	29.1	27.1	26.1	25.1	24.6	24.6
55°	2096.3	591.0	50.8	35.5	30.1	27.1	25.1	24.2	23.7	23.2	23.2
57.5°	2182.1	575.7	44.9	31.5	27.1	25.1	23.2	22.7	22.2	21.7	21.2
60°	2328.5	584.6	39.4	28.1	24.6	22.7	21.2	20.7	19.7	18.7	18.7
62.5°	2470.5	573.7	33.5	24.6	21.2	20.2	18.7	17.7	15.8	14.3	13.3
65°	2505.0	501.3	29.1	20.7	17.7	16.8	15.3	13.3	10.4	8.4	8.4
67.5°	2337.9	381.0	25.1	17.7	14.8	13.8	10.8	8.9	6.4	4.9	4.9
70°	1929.2	241.5	20.7	13.8	12.3	9.4	6.9	6.4	4.4	3.9	3.5
72.5°	1392.0	132.1	17.3	11.3	8.9	5.9	4.9	3.9	3.0	2.0	2.0
75°	704.9	62.1	12.8	8.9	5.9	3.9	3.0	2.0	2.0	1.5	1.5
77.5°	199.6	28.6	8.4	5.9	3.9	2.5	2.0	1.5	1.5	1.0	1.0
80°	39.4	14.3	5.4	3.9	3.0	2.0	1.5	1.0	1.0	0.5	0.5
82.5°	14.3	7.4	3.9	3.0	2.5	2.0	1.0	0.5	0.5	0.0	0.0
85°	7.4	3.9	3.0	2.5	2.0	1.5	1.0	0.5	0.0	0.0	0.0
87.5°	3.9	3.0	2.5	2.5	2.0	1.5	1.0	0.5	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)