

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: P674618

Luminaire Tested: **CCP-SA-1F-835-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674618
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-835-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

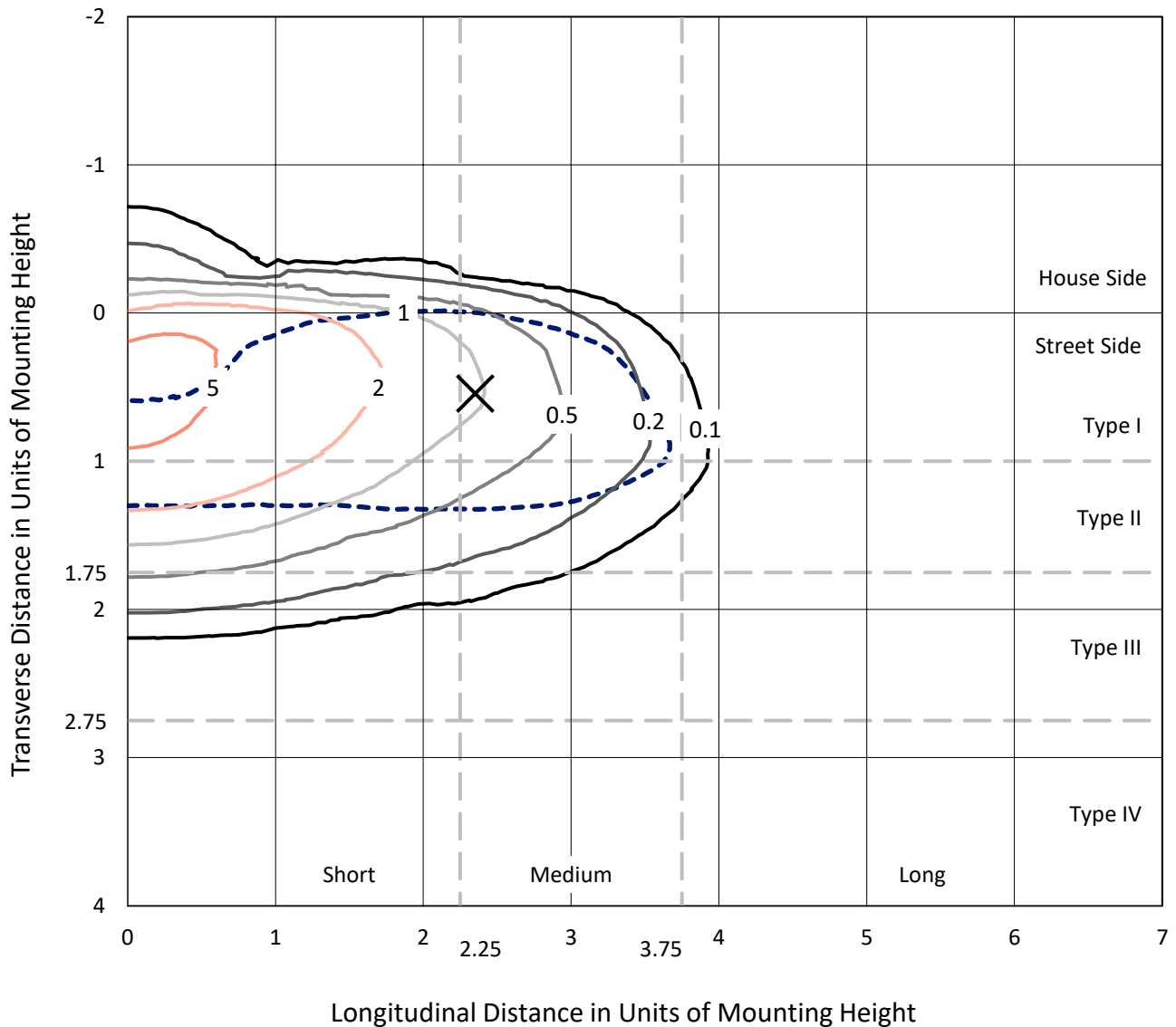
Lumens per Lamp: N/A
Luminaire Lumens: 5002.4 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 67
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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 CATALOG NUMBER: CCP-SA-1F-835-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

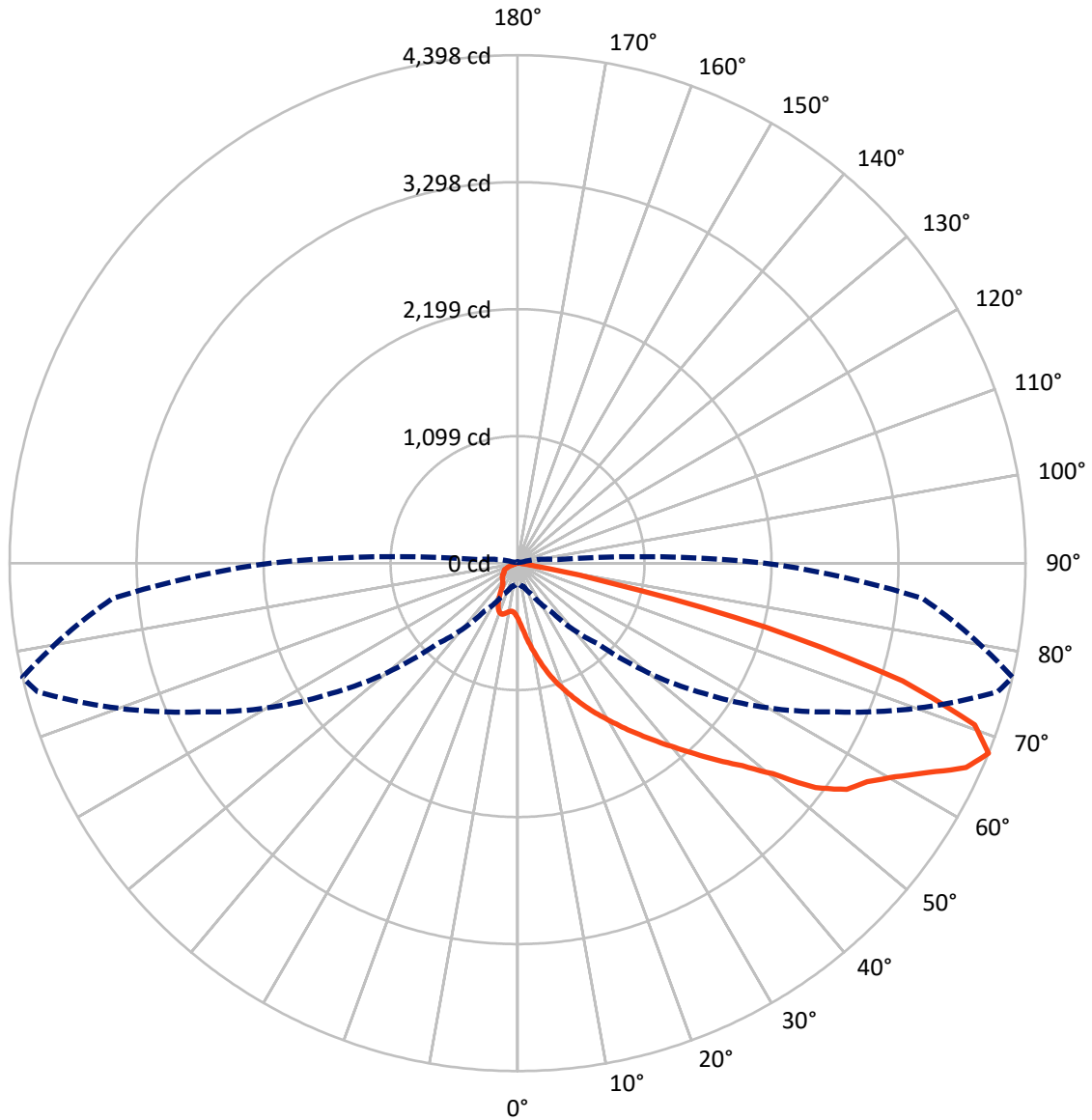
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P674618
CATALOG NUMBER: CCP-SA-1F-835-U-T2R-HSS

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	312.6	0.0	312.6
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	4689.8	0.0	4689.8
	% Fixture	93.8	0.0	93.8
Total	Lumens	5002.4	0.0	5002.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	1.1
10°-20°	208.2	4.2
20°-30°	406.8	8.1
30°-40°	711.3	14.2
40°-50°	1037.3	20.7
50°-60°	1213.0	24.2
60°-70°	983.3	19.7
70°-80°	369.4	7.4
80°-90°	16.8	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°	5002.4	100.0
0°-180°	5002.4	100.0



REPORT NUMBER: P674618

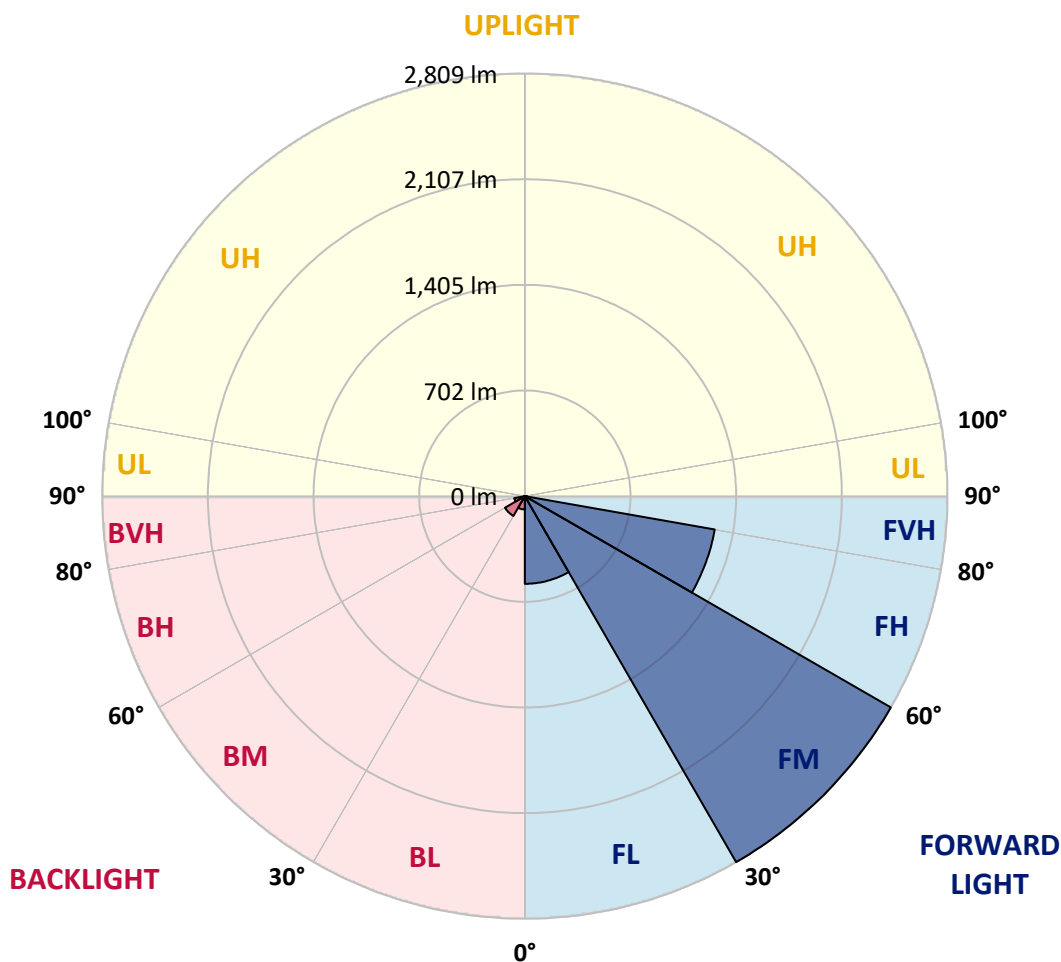
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	582.7	11.6			
FM (30°-60°)	2809.5	56.2			
FH (60°-80°)	1281.8	25.6			G1/1800
FVH (80°-90°)	15.8	0.3			G1/100
BL (0°-30°)	88.6	1.8	B0/110		
BM (30°-60°)	152.1	3.0	B0/220		
BH (60°-80°)	70.9	1.4	B0/110		G0/110
BVH (80°-90°)	1.0	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





REPORT NUMBER: P674618
 CATALOG NUMBER: CCP-SA-1F-835-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1
2.5°	719.4	693.2	698.2	687.3	673.3	640.8	606.5	572.2	541.5	534.7	504.0
5°	921.2	913.1	904.5	897.3	868.0	827.3	765.4	686.9	616.0	603.8	540.1
7.5°	1077.9	1065.8	1073.4	1051.3	1020.6	981.3	902.7	818.7	709.4	691.4	592.5
10°	1193.6	1186.8	1190.4	1180.0	1165.1	1125.8	1048.1	942.9	816.5	782.2	651.2
12.5°	1280.3	1281.6	1297.4	1298.3	1286.1	1254.1	1171.9	1062.1	913.6	882.9	716.2
15°	1343.5	1344.8	1364.3	1385.0	1399.0	1382.3	1307.8	1185.0	1027.8	985.8	784.4
17.5°	1353.9	1354.8	1389.1	1431.1	1474.4	1488.9	1431.5	1306.9	1132.1	1084.3	862.5
20°	1360.6	1368.3	1399.0	1447.3	1516.0	1560.7	1529.5	1423.9	1233.3	1177.7	939.3
22.5°	1442.8	1442.8	1460.9	1495.2	1549.9	1619.9	1613.5	1531.3	1331.7	1276.6	1015.6
25°	1617.1	1617.1	1599.5	1590.5	1619.9	1674.9	1690.8	1646.0	1444.2	1379.2	1096.0
27.5°	1847.9	1847.9	1820.4	1754.0	1728.7	1751.7	1768.4	1745.8	1548.0	1483.9	1180.9
30°	2087.2	2095.4	2047.5	1963.1	1874.5	1856.9	1840.7	1835.7	1658.7	1586.4	1267.2
32.5°	2327.5	2326.6	2267.0	2161.8	2046.2	1983.8	1931.0	1925.1	1776.1	1705.2	1348.9
35°	2519.4	2519.9	2457.1	2349.2	2215.5	2136.0	2051.1	2023.6	1904.8	1825.8	1446.4
37.5°	2685.6	2676.1	2608.4	2505.9	2381.2	2299.0	2193.4	2121.6	2038.0	1957.6	1544.0
40°	2780.9	2768.2	2702.3	2604.8	2510.4	2447.6	2354.6	2239.9	2184.3	2097.6	1655.1
42.5°	2794.9	2784.1	2740.2	2681.5	2604.3	2549.2	2524.4	2373.6	2337.9	2259.3	1787.8
45°	2755.6	2738.0	2723.5	2692.8	2671.2	2644.5	2678.4	2515.8	2514.0	2435.9	1919.3
47.5°	2658.1	2634.1	2637.7	2671.6	2696.0	2719.9	2825.6	2702.3	2691.5	2618.3	2091.8
50°	2491.4	2479.7	2519.4	2586.3	2682.9	2778.6	2972.4	2892.9	2935.8	2867.1	2329.8
52.5°	2152.7	2167.2	2285.9	2446.7	2613.8	2806.2	3110.1	3177.4	3287.1	3230.7	2569.1
55°	1746.3	1740.9	1899.4	2184.8	2451.7	2788.6	3170.2	3344.9	3517.4	3458.3	2702.3
57.5°	1406.7	1416.2	1523.2	1805.5	2176.7	2652.6	3184.2	3432.5	3610.0	3570.7	2825.6
60°	1055.8	1064.8	1162.4	1408.1	1810.9	2369.0	3068.6	3463.2	3783.9	3754.1	3022.5
62.5°	672.0	683.7	781.7	1020.6	1384.1	1928.3	2808.9	3431.2	3965.4	3990.2	3291.2
65°	330.6	341.0	413.2	596.1	925.3	1441.9	2446.7	3308.8	4196.6	4267.5	3506.6
67.5°	182.9	187.9	212.7	303.5	516.2	989.0	1966.2	3047.3	4302.7	4397.6	3521.0
70°	142.3	143.6	153.1	177.0	251.5	580.3	1398.6	2612.0	4082.8	4197.5	3228.0
72.5°	119.7	121.5	126.0	134.1	157.2	302.1	878.8	2018.6	3435.2	3487.2	2497.3
75°	87.6	90.3	103.0	110.2	124.2	183.3	387.5	1213.0	2270.1	2219.1	1397.2
77.5°	73.6	75.9	79.0	89.4	102.5	125.1	135.9	508.5	924.0	803.4	366.7
80°	50.1	52.8	61.4	66.8	86.7	82.6	56.4	136.4	185.6	151.3	70.4
82.5°	35.7	37.9	42.4	54.6	62.8	43.8	30.7	41.5	44.7	42.4	23.0
85°	11.3	14.5	30.7	45.2	33.9	14.9	19.4	15.8	14.0	13.5	9.0
87.5°	2.3	2.3	15.4	18.1	13.5	7.7	6.8	5.0	6.3	6.3	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674618
 CATALOG NUMBER: CCP-SA-1F-835-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1
2.5°	489.5	469.2	439.8	412.3	384.3	364.4	350.4	336.4	331.0	328.8	322.9
5°	511.2	472.4	414.1	367.1	332.8	311.1	298.0	286.8	279.5	277.3	274.1
7.5°	542.4	486.4	402.8	348.6	314.3	290.8	269.6	245.2	225.8	218.1	215.0
10°	576.2	507.6	404.6	345.0	299.4	247.9	200.5	161.2	144.1	137.7	133.2
12.5°	625.9	531.1	412.3	341.0	254.7	177.0	128.3	112.0	107.9	107.0	106.1
15°	675.6	564.0	424.9	313.9	190.1	120.6	106.6	100.7	98.4	96.2	96.2
17.5°	725.7	595.6	429.9	261.0	131.4	104.3	97.1	92.1	88.5	86.7	85.4
20°	782.2	629.1	415.5	196.4	105.2	95.3	87.2	81.3	78.1	76.3	75.0
22.5°	843.1	662.0	383.9	136.8	95.7	85.8	78.1	72.3	69.1	67.3	66.8
25°	900.5	690.5	333.3	103.0	86.3	76.8	69.5	64.6	62.3	60.5	60.1
27.5°	959.6	714.9	267.3	90.8	78.6	69.5	62.3	58.3	56.0	54.6	54.2
30°	1017.4	731.6	199.2	83.1	71.8	62.8	56.4	53.3	51.0	49.7	49.2
32.5°	1077.0	741.1	134.6	76.3	65.0	56.9	51.5	48.3	47.0	45.6	45.6
35°	1134.4	739.7	97.1	70.0	59.6	51.5	46.5	44.3	43.8	42.4	42.4
37.5°	1197.2	730.2	82.6	64.1	53.7	46.5	42.4	41.1	40.6	39.7	39.3
40°	1268.5	709.0	75.4	59.6	48.8	42.4	38.8	37.9	37.5	36.6	36.6
42.5°	1346.6	681.4	71.4	54.6	44.7	38.4	35.7	34.3	33.9	33.0	33.0
45°	1437.4	655.3	68.6	49.7	41.1	35.2	32.5	31.2	30.7	29.8	29.8
47.5°	1561.1	640.4	64.1	45.2	37.0	32.1	29.4	28.5	27.5	26.6	26.6
50°	1731.4	622.7	58.3	40.6	33.9	28.9	27.1	25.7	25.3	24.4	24.4
52.5°	1871.4	585.3	52.4	36.1	30.3	26.6	24.8	23.9	23.0	22.6	22.6
55°	1920.6	541.5	46.5	32.5	27.5	24.8	23.0	22.1	21.7	21.2	21.2
57.5°	1999.2	527.5	41.1	28.9	24.8	23.0	21.2	20.8	20.3	19.9	19.4
60°	2133.3	535.6	36.1	25.7	22.6	20.8	19.4	19.0	18.1	17.2	17.2
62.5°	2263.4	525.7	30.7	22.6	19.4	18.5	17.2	16.3	14.5	13.1	12.2
65°	2295.0	459.3	26.6	19.0	16.3	15.4	14.0	12.2	9.5	7.7	7.7
67.5°	2141.9	349.1	23.0	16.3	13.5	12.6	9.9	8.1	5.9	4.5	4.5
70°	1767.5	221.3	19.0	12.6	11.3	8.6	6.3	5.9	4.1	3.6	3.2
72.5°	1275.3	121.0	15.8	10.4	8.1	5.4	4.5	3.6	2.7	1.8	1.8
75°	645.8	56.9	11.7	8.1	5.4	3.6	2.7	1.8	1.8	1.4	1.4
77.5°	182.9	26.2	7.7	5.4	3.6	2.3	1.8	1.4	1.4	0.9	0.9
80°	36.1	13.1	5.0	3.6	2.7	1.8	1.4	0.9	0.9	0.5	0.5
82.5°	13.1	6.8	3.6	2.7	2.3	1.8	0.9	0.5	0.5	0.0	0.0
85°	6.8	3.6	2.7	2.3	1.8	1.4	0.9	0.5	0.0	0.0	0.0
87.5°	3.6	2.7	2.3	2.3	1.8	1.4	0.9	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)