

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: P674687

Luminaire Tested: **CCP-SA-2B-730-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674687
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-730-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

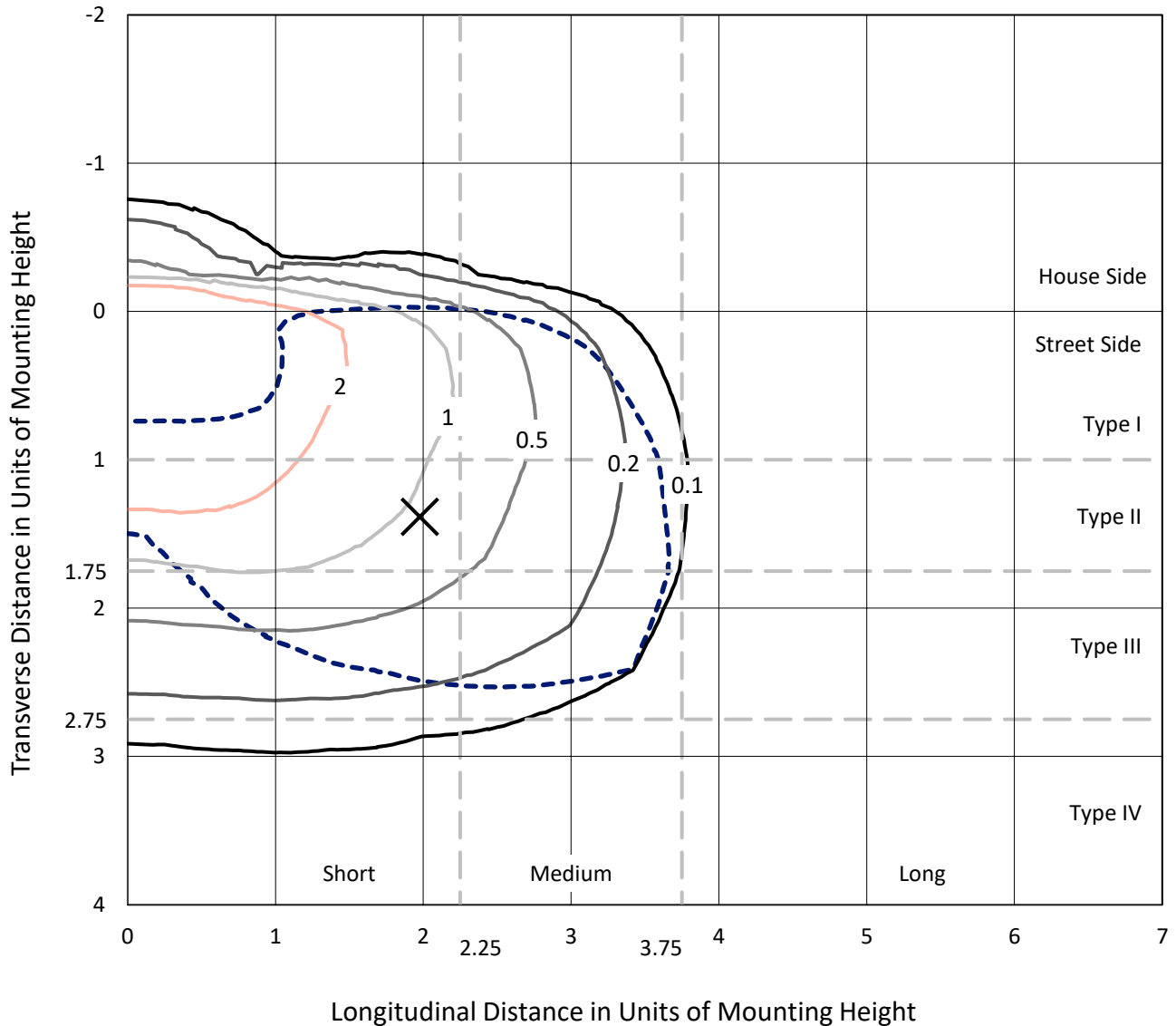
Lumens per Lamp: N/A
Luminaire Lumens: 4987.6 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

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

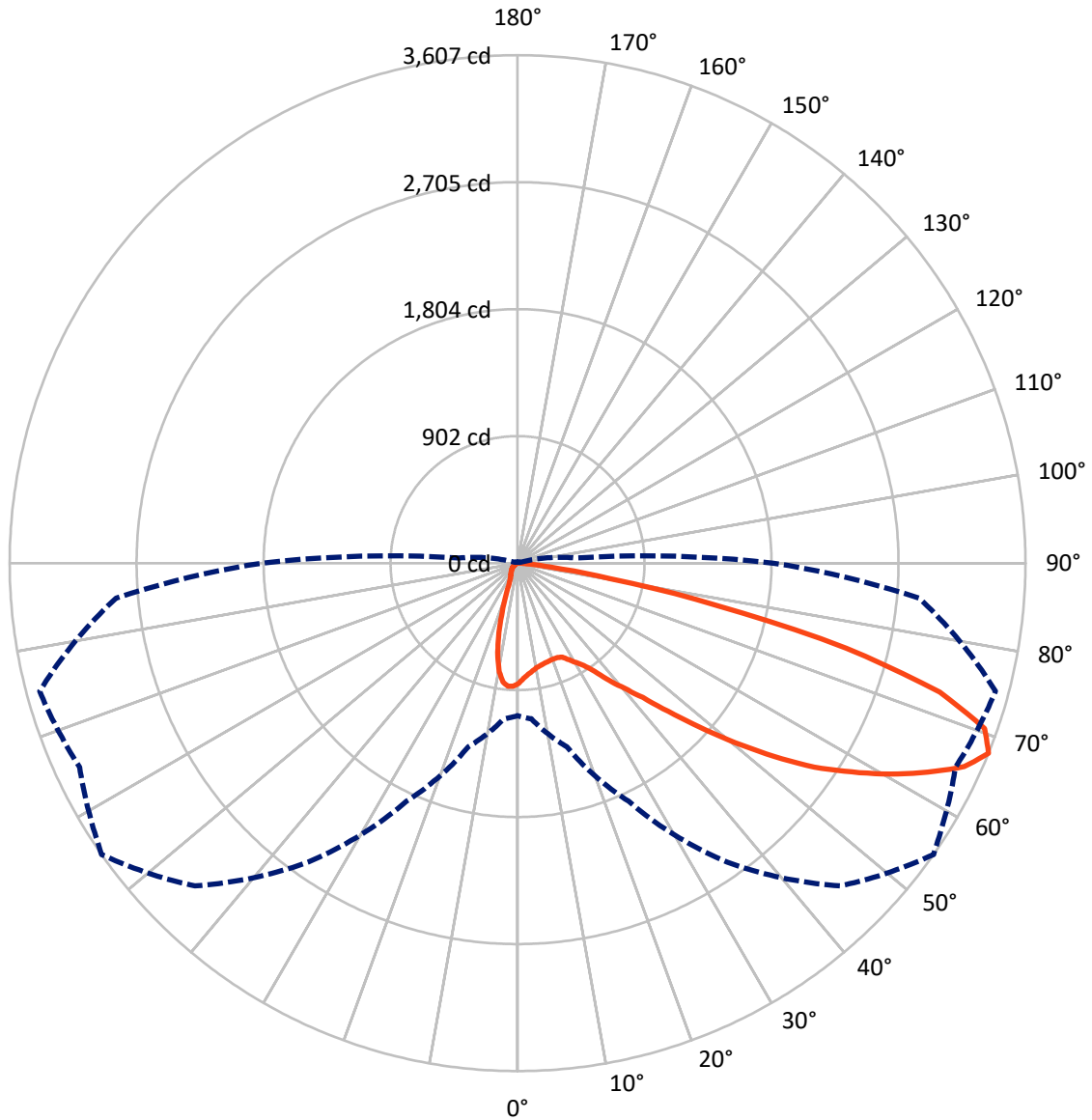
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 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	448.1	0.0	448.1
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4539.5	0.0	4539.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	4987.6	0.0	4987.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	1.5
10°-20°	170.8	3.4
20°-30°	274.0	5.5
30°-40°	475.3	9.5
40°-50°	792.5	15.9
50°-60°	1158.8	23.2
60°-70°	1351.2	27.1
70°-80°	655.7	13.1
80°-90°	34.3	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°	4987.6	100.0
0°-180°	4987.6	100.0



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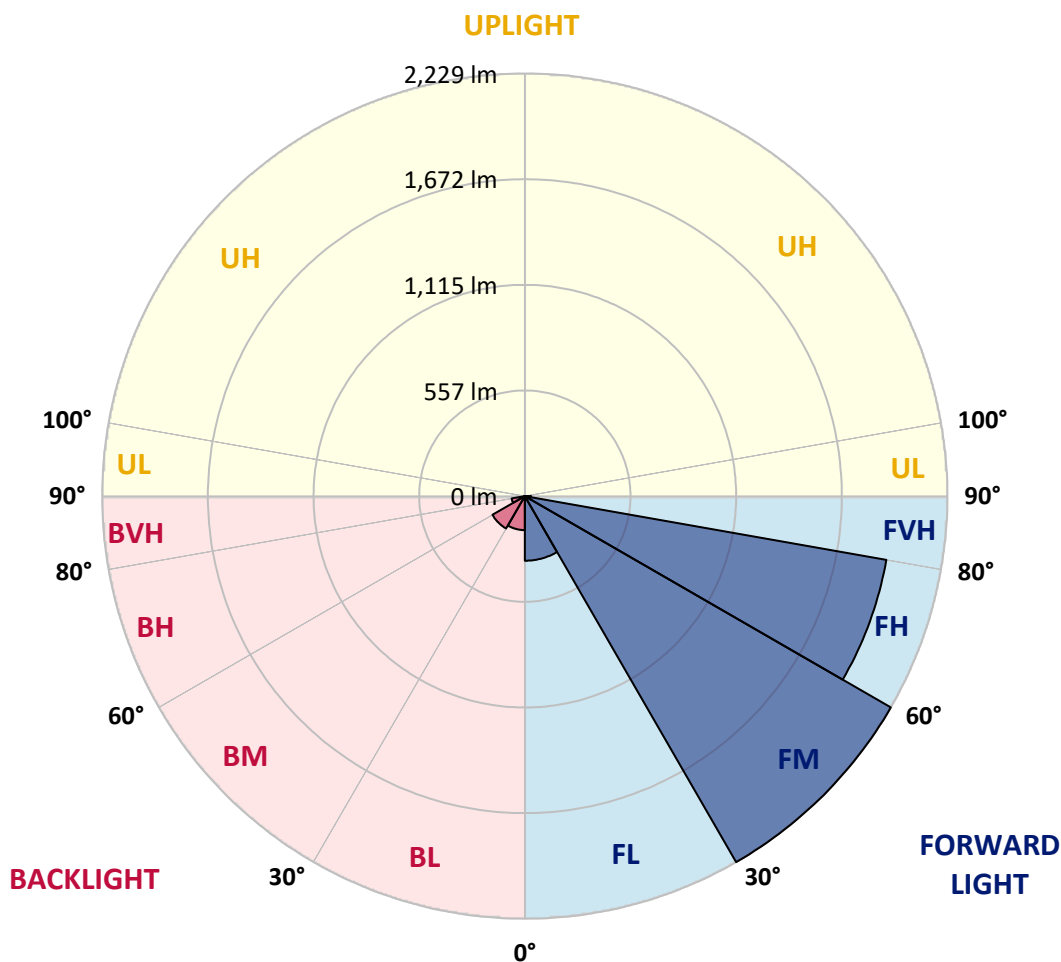
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	340.7	6.8			
FM (30°-60°)	2229.3	44.7			
FH (60°-80°)	1936.2	38.8			G2/5000
FVH (80°-90°)	33.3	0.7			G1/100
BL (0°-30°)	179.1	3.6	B1/500		
BM (30°-60°)	197.3	4.0	B0/220		
BH (60°-80°)	70.7	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: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7
2.5°	789.0	794.1	800.5	802.8	810.6	821.6	818.4	816.1	828.5	845.5	851.1
5°	739.8	740.3	750.4	757.8	771.1	781.7	793.2	792.2	814.8	843.7	862.1
7.5°	691.6	692.5	703.1	714.6	733.9	754.6	772.0	771.1	807.4	846.0	880.9
10°	628.2	632.8	645.6	665.9	696.2	728.8	753.2	755.5	799.1	854.7	906.7
12.5°	577.2	579.5	593.7	619.9	655.8	698.5	744.0	742.6	801.0	870.8	940.2
15°	555.6	554.2	562.9	582.2	623.1	676.9	734.8	738.0	807.4	889.2	975.1
17.5°	560.6	559.3	563.8	570.7	599.7	659.0	729.7	735.3	817.5	908.5	1007.8
20°	616.7	607.0	598.8	591.4	595.6	644.3	726.5	732.5	823.5	923.2	1042.2
22.5°	724.7	712.7	690.7	649.8	622.7	645.2	727.4	735.3	836.8	947.1	1084.0
25°	900.7	889.2	841.9	758.2	686.5	678.3	739.8	748.1	867.6	983.4	1128.6
27.5°	1133.7	1107.9	1050.5	930.6	792.2	731.1	777.1	786.3	911.3	1011.4	1158.9
30°	1327.1	1321.2	1266.0	1119.0	937.9	808.8	818.9	823.9	931.0	1028.4	1189.3
32.5°	1527.9	1515.5	1465.0	1322.1	1107.0	919.5	865.8	868.1	956.7	1053.7	1233.4
35°	1702.6	1691.1	1648.8	1510.0	1304.6	1068.4	943.4	938.4	1010.1	1109.3	1293.1
37.5°	1864.3	1862.9	1825.7	1684.2	1482.0	1222.8	1057.8	1053.7	1093.2	1170.4	1374.0
40°	2022.4	2018.7	1987.0	1857.9	1656.6	1376.8	1166.8	1156.2	1164.0	1255.9	1480.6
42.5°	2119.4	2127.2	2138.2	2056.4	1863.9	1557.4	1304.6	1298.2	1296.8	1389.6	1620.8
45°	2171.7	2185.5	2250.3	2243.0	2083.5	1782.1	1500.8	1484.3	1478.8	1573.4	1781.1
47.5°	2222.8	2228.7	2334.9	2379.5	2294.0	2016.4	1738.0	1715.0	1692.5	1797.7	1972.8
50°	2226.0	2235.6	2367.0	2475.5	2470.4	2247.1	2004.0	1983.8	1958.1	2070.7	2159.8
52.5°	2180.9	2200.2	2362.9	2536.2	2579.8	2450.7	2280.2	2263.7	2242.5	2326.6	2317.4
55°	1869.8	1902.5	2282.0	2541.7	2656.6	2625.3	2557.8	2534.8	2514.1	2573.8	2471.8
57.5°	1721.9	1740.2	2036.6	2537.5	2754.4	2787.1	2798.5	2788.0	2759.0	2833.5	2633.1
60°	1633.2	1659.8	1919.5	2491.6	2860.1	2970.0	3042.1	3021.0	2985.6	3088.1	2805.9
62.5°	1527.0	1546.3	1802.7	2359.2	2923.1	3156.1	3270.5	3251.2	3178.1	3322.9	2945.6
65°	1331.3	1360.2	1617.1	2151.1	2838.5	3292.5	3485.6	3479.1	3352.3	3500.3	2983.7
67.5°	1083.6	1109.8	1349.2	1865.7	2591.3	3241.5	3607.3	3587.1	3431.3	3513.6	2862.9
70°	813.4	827.6	1008.2	1425.5	2123.0	2969.0	3519.1	3515.0	3311.4	3316.0	2492.0
72.5°	436.6	476.1	670.5	954.0	1493.0	2404.7	3136.3	3119.8	2954.3	2715.8	1792.2
75°	152.6	164.1	357.1	535.8	811.1	1601.9	2411.6	2373.0	2209.4	1766.4	976.5
77.5°	93.7	102.9	158.5	273.9	315.7	695.3	1448.9	1398.8	1293.1	763.7	333.6
80°	64.8	73.1	106.2	143.4	107.5	225.2	666.8	647.9	498.6	182.0	76.7
82.5°	36.3	43.7	80.4	70.3	43.2	58.4	231.1	214.1	132.8	49.2	25.7
85°	21.1	25.3	56.5	49.6	22.1	20.7	60.2	53.8	34.5	18.4	12.4
87.5°	11.0	14.2	41.4	33.1	13.3	7.4	13.8	13.3	8.7	6.4	8.3
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°	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7
2.5°	861.2	858.9	870.8	874.9	874.0	872.2	876.8	870.8	870.4	869.0	867.6
5°	876.8	880.5	890.1	890.1	877.2	856.1	843.2	825.8	811.1	802.3	801.0
7.5°	900.2	907.6	914.0	894.2	850.1	797.7	742.1	698.5	660.3	640.6	638.7
10°	933.3	940.2	935.1	878.6	784.0	675.5	585.0	494.0	448.5	423.7	423.7
12.5°	972.8	978.3	947.6	839.6	675.1	517.9	397.0	301.5	256.0	226.5	224.7
15°	1015.6	1016.9	945.7	771.6	540.4	347.9	227.9	167.3	148.0	143.8	142.9
17.5°	1052.8	1047.3	926.4	670.9	389.2	207.2	144.8	131.0	127.3	127.3	127.3
20°	1087.7	1069.3	887.8	553.7	249.5	141.1	124.5	120.9	120.9	121.3	121.3
22.5°	1126.3	1090.0	832.7	423.7	160.4	120.9	116.7	114.9	114.4	115.8	115.3
25°	1171.8	1110.2	753.6	292.7	124.1	112.6	110.7	108.9	108.9	108.9	108.9
27.5°	1197.1	1107.5	663.6	184.7	108.4	104.3	102.5	100.6	99.3	98.8	99.3
30°	1219.1	1091.4	545.9	129.1	97.9	93.3	91.9	89.6	86.9	85.9	85.9
32.5°	1248.1	1078.1	422.8	103.9	88.7	83.6	79.5	75.8	71.2	69.4	68.9
35°	1280.3	1053.7	309.7	91.4	80.4	74.0	67.6	61.6	55.6	53.8	53.3
37.5°	1320.2	1031.6	210.0	84.6	73.5	65.7	57.0	48.7	43.2	42.3	42.3
40°	1374.5	1013.3	145.2	78.6	67.1	57.9	47.3	38.6	34.9	34.0	34.0
42.5°	1448.4	998.1	109.8	73.5	61.6	50.1	38.1	31.7	29.0	28.0	28.0
45°	1535.8	974.7	92.8	68.9	56.1	42.3	31.7	26.7	25.3	25.3	25.3
47.5°	1635.9	945.3	84.6	64.3	50.1	34.5	26.7	24.4	23.9	23.9	24.4
50°	1737.0	910.3	78.6	58.8	43.2	29.4	24.4	23.0	23.0	23.4	23.4
52.5°	1805.5	855.6	72.6	52.8	36.3	25.7	23.0	22.5	22.1	22.1	22.1
55°	1872.1	807.9	64.3	46.4	30.3	23.9	22.1	21.6	21.6	21.1	21.1
57.5°	1941.5	770.2	53.8	38.6	25.7	22.5	21.1	21.1	20.2	19.8	19.8
60°	2021.9	737.1	41.4	30.3	22.5	21.1	19.8	19.3	18.4	17.5	17.5
62.5°	2045.4	667.2	31.2	24.4	19.3	18.4	17.9	17.0	14.7	12.9	13.3
65°	1984.3	557.4	24.8	19.3	15.6	15.6	14.2	11.9	9.7	8.3	8.3
67.5°	1815.6	416.3	20.2	15.2	12.4	11.9	10.1	8.7	6.0	5.1	5.1
70°	1496.2	275.3	16.5	11.9	10.1	8.3	6.9	6.4	4.6	3.7	3.7
72.5°	1048.7	149.3	13.8	9.7	7.4	5.5	4.6	4.1	3.2	2.8	2.3
75°	553.7	57.4	11.0	7.4	4.6	3.7	2.8	2.8	2.3	1.8	1.8
77.5°	189.8	24.4	7.8	4.1	3.2	2.3	1.8	1.4	1.8	1.4	1.4
80°	45.0	14.2	5.1	2.8	1.8	1.4	1.4	0.9	0.9	0.9	0.9
82.5°	19.8	8.3	3.2	1.8	1.8	1.4	0.9	0.5	0.5	0.5	0.5
85°	13.3	5.1	2.3	1.8	1.4	0.9	0.5	0.5	0.0	0.0	0.0
87.5°	10.6	3.2	1.8	1.8	1.4	0.9	0.5	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)