

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: P674728

Luminaire Tested: **CCP-SA-1E-760-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674728
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-760-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

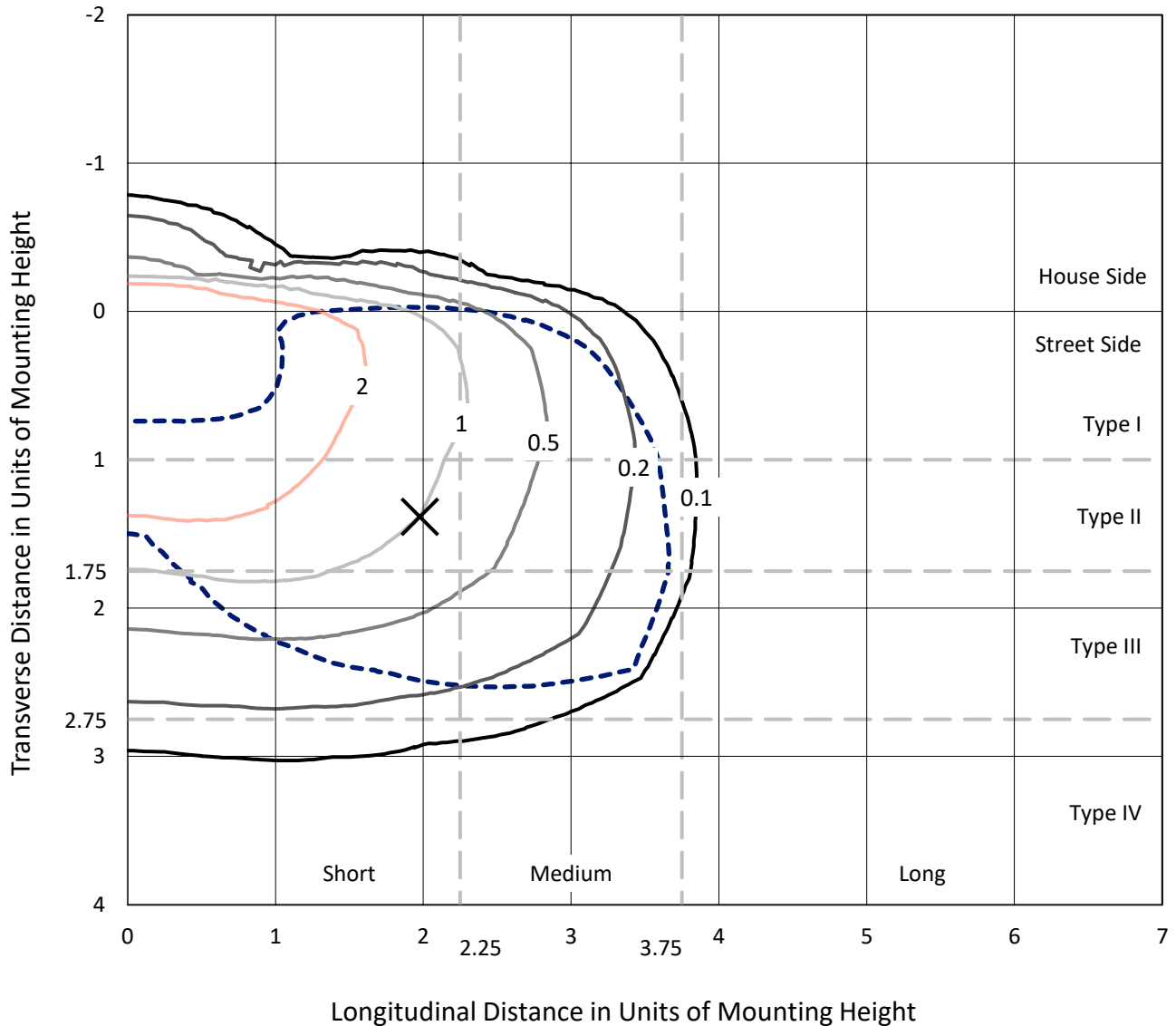
Lumens per Lamp: N/A
Luminaire Lumens: 5546.5 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

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

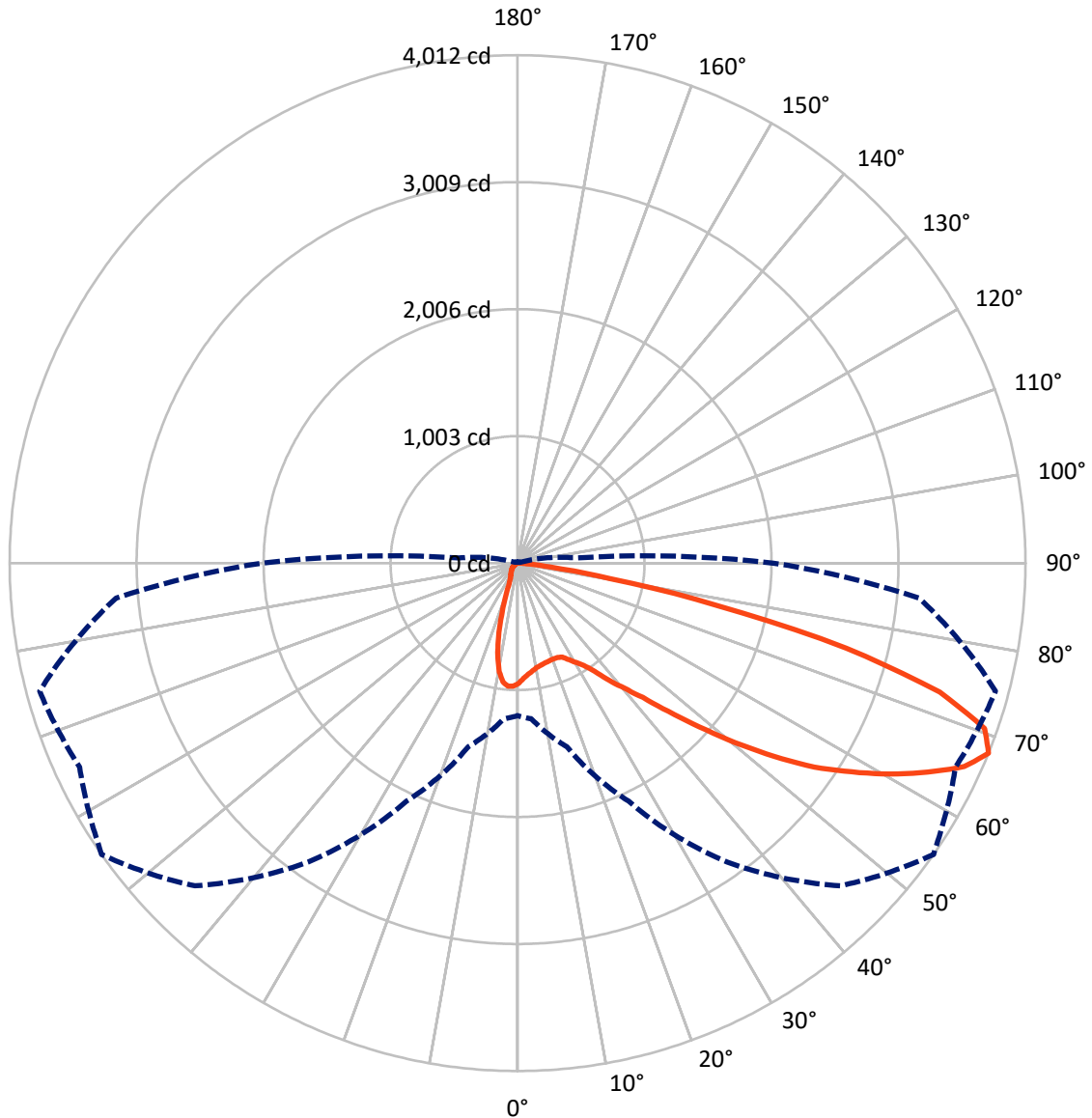
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 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	498.3	0.0	498.3
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	5048.3	0.0	5048.3
	% Fixture	91.0	0.0	91.0
Total	Lumens	5546.5	0.0	5546.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	1.5
10°-20°	189.9	3.4
20°-30°	304.7	5.5
30°-40°	528.5	9.5
40°-50°	881.3	15.9
50°-60°	1288.7	23.2
60°-70°	1502.6	27.1
70°-80°	729.2	13.1
80°-90°	38.1	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°	5546.5	100.0
0°-180°	5546.5	100.0



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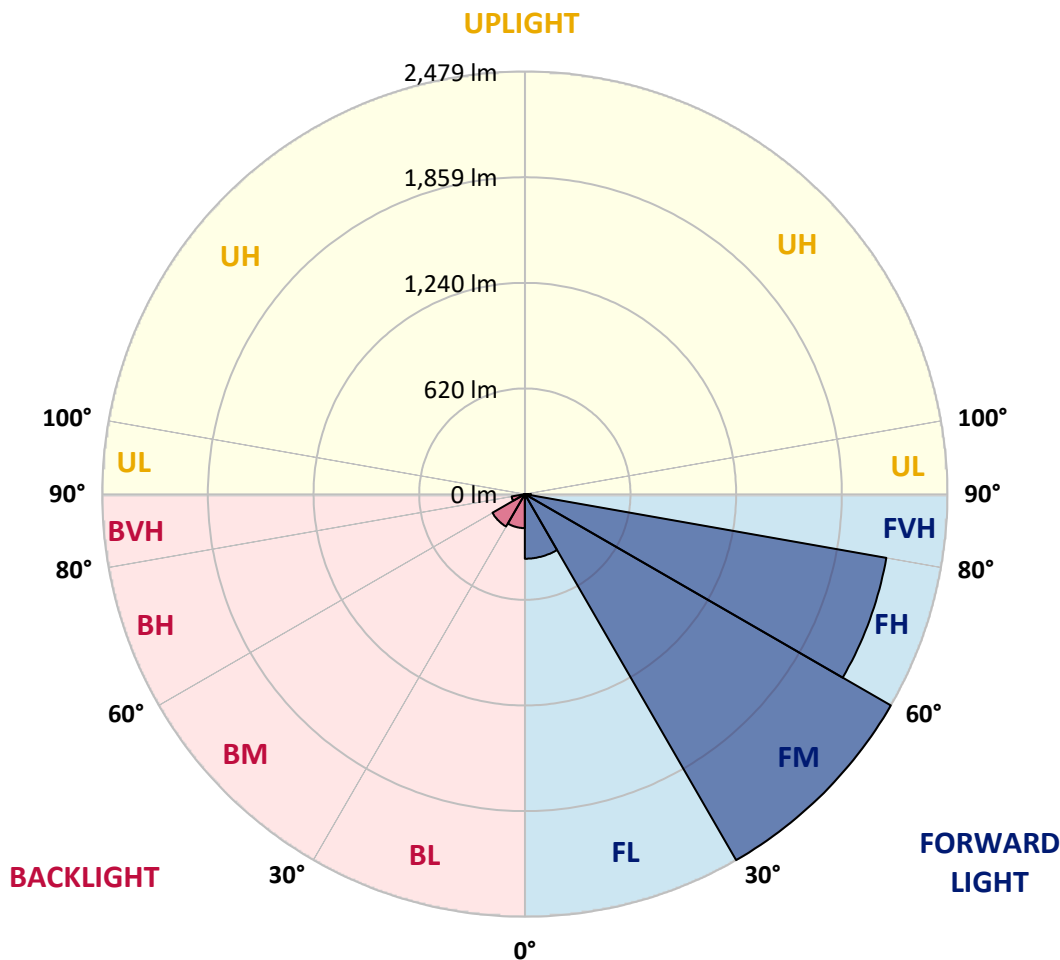
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	378.9	6.8			
FM (30°-60°)	2479.1	44.7			
FH (60°-80°)	2153.2	38.8			G2/5000
FVH (80°-90°)	37.0	0.7			G1/100
BL (0°-30°)	199.2	3.6	B1/500		
BM (30°-60°)	219.4	4.0	B0/220		
BH (60°-80°)	78.6	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: 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°	950.5	950.5	950.5	950.5	950.5	950.5	950.5	950.5	950.5	950.5	950.5
2.5°	877.4	883.1	890.2	892.8	901.5	913.7	910.2	907.6	921.4	940.3	946.4
5°	822.8	823.3	834.5	842.7	857.5	869.3	882.0	881.0	906.1	938.3	958.7
7.5°	769.1	770.1	781.9	794.7	816.1	839.1	858.5	857.5	897.9	940.8	979.7
10°	698.6	703.7	718.0	740.5	774.2	810.5	837.6	840.1	888.7	950.5	1008.3
12.5°	641.9	644.4	660.3	689.4	729.2	776.8	827.4	825.8	890.7	968.4	1045.6
15°	617.8	616.3	626.0	647.5	693.0	752.8	817.1	820.7	897.9	988.9	1084.4
17.5°	623.5	621.9	627.0	634.7	666.9	732.8	811.5	817.7	909.1	1010.3	1120.7
20°	685.8	675.1	665.9	657.7	662.3	716.5	807.9	814.6	915.8	1026.7	1159.0
22.5°	805.9	792.6	768.1	722.6	692.5	717.5	809.0	817.7	930.6	1053.2	1205.5
25°	1001.6	988.9	936.2	843.2	763.5	754.3	822.8	832.0	964.8	1093.6	1255.1
27.5°	1260.7	1232.1	1168.2	1034.8	881.0	813.1	864.2	874.4	1013.4	1124.8	1288.8
30°	1475.9	1469.2	1407.9	1244.4	1043.0	899.4	910.7	916.3	1035.4	1143.7	1322.6
32.5°	1699.2	1685.4	1629.2	1470.2	1231.1	1022.6	962.8	965.3	1064.0	1171.8	1371.6
35°	1893.4	1880.6	1833.6	1679.3	1450.8	1188.2	1049.2	1043.5	1123.3	1233.6	1438.0
37.5°	2073.3	2071.7	2030.3	1872.9	1648.1	1359.9	1176.4	1171.8	1215.7	1301.6	1528.0
40°	2249.1	2245.0	2209.7	2066.1	1842.3	1531.1	1297.5	1285.8	1294.4	1396.7	1646.6
42.5°	2356.9	2365.6	2377.8	2286.9	2072.8	1731.9	1450.8	1443.7	1442.1	1545.4	1802.4
45°	2415.1	2430.5	2502.5	2494.4	2317.0	1981.8	1669.0	1650.6	1644.5	1749.8	1980.8
47.5°	2471.9	2478.5	2596.6	2646.1	2551.1	2242.4	1932.7	1907.2	1882.1	1999.2	2193.9
50°	2475.4	2486.2	2632.3	2752.9	2747.3	2499.0	2228.6	2206.1	2177.5	2302.7	2401.9
52.5°	2425.4	2446.8	2627.7	2820.4	2868.9	2725.3	2535.7	2517.4	2493.8	2587.4	2577.1
55°	2079.4	2115.7	2537.8	2826.5	2954.3	2919.5	2844.4	2818.9	2795.9	2862.3	2748.8
57.5°	1914.8	1935.3	2264.9	2821.9	3063.1	3099.4	3112.2	3100.4	3068.2	3151.0	2928.2
60°	1816.2	1845.9	2134.6	2770.8	3180.7	3302.8	3383.0	3359.5	3320.2	3434.1	3120.4
62.5°	1698.2	1719.6	2004.8	2623.6	3250.7	3509.8	3637.0	3615.6	3534.3	3695.3	3275.7
65°	1480.5	1512.7	1798.3	2392.1	3156.7	3661.6	3876.2	3869.0	3728.0	3892.5	3318.1
67.5°	1205.0	1234.1	1500.4	2074.8	2881.7	3604.8	4011.6	3989.1	3815.9	3907.4	3183.7
70°	904.5	920.4	1121.2	1585.2	2361.0	3301.8	3913.5	3908.9	3682.5	3687.6	2771.3
72.5°	485.5	529.4	745.6	1060.9	1660.3	2674.2	3487.8	3469.4	3285.4	3020.2	1993.0
75°	169.7	182.4	397.1	595.9	902.0	1781.5	2681.9	2639.0	2457.0	1964.4	1085.9
77.5°	104.3	114.5	176.3	304.6	351.1	773.2	1611.3	1555.6	1438.0	849.3	371.0
80°	72.1	81.3	118.0	159.4	119.6	250.4	741.5	720.6	554.5	202.4	85.3
82.5°	40.4	48.5	89.4	78.2	48.0	64.9	257.0	238.1	147.7	54.7	28.6
85°	23.5	28.1	62.9	55.2	24.5	23.0	66.9	59.8	38.3	20.4	13.8
87.5°	12.3	15.8	46.0	36.8	14.8	8.2	15.3	14.8	9.7	7.2	9.2
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°	950.5	950.5	950.5	950.5	950.5	950.5	950.5	950.5	950.5	950.5	950.5
2.5°	957.7	955.1	968.4	973.0	972.0	969.9	975.1	968.4	967.9	966.4	964.8
5°	975.1	979.1	989.9	989.9	975.6	952.1	937.7	918.3	902.0	892.3	890.7
7.5°	1001.1	1009.3	1016.4	994.5	945.4	887.2	825.3	776.8	734.4	712.4	710.3
10°	1037.9	1045.6	1040.0	977.1	871.8	751.2	650.5	549.4	498.8	471.2	471.2
12.5°	1081.9	1088.0	1053.8	933.7	750.7	575.9	441.5	335.2	284.6	251.9	249.9
15°	1129.4	1130.9	1051.7	858.0	601.0	386.9	253.5	186.0	164.6	160.0	158.9
17.5°	1170.8	1164.6	1030.2	746.1	432.8	230.5	161.0	145.6	141.6	141.6	141.6
20°	1209.6	1189.2	987.3	615.8	277.5	156.9	138.5	134.4	134.4	134.9	134.9
22.5°	1252.5	1212.2	926.0	471.2	178.4	134.4	129.8	127.8	127.2	128.8	128.3
25°	1303.1	1234.7	838.1	325.5	138.0	125.2	123.2	121.1	121.1	121.1	121.1
27.5°	1331.2	1231.6	737.9	205.4	120.6	116.0	114.0	111.9	110.4	109.9	110.4
30°	1355.8	1213.7	607.1	143.6	108.9	103.7	102.2	99.7	96.6	95.6	95.6
32.5°	1388.0	1198.9	470.2	115.5	98.6	93.0	88.4	84.3	79.2	77.2	76.7
35°	1423.7	1171.8	344.4	101.7	89.4	82.3	75.1	68.5	61.8	59.8	59.3
37.5°	1468.2	1147.3	233.5	94.0	81.8	73.1	63.4	54.2	48.0	47.0	47.0
40°	1528.5	1126.8	161.5	87.4	74.6	64.4	52.6	42.9	38.8	37.8	37.8
42.5°	1610.8	1110.0	122.1	81.8	68.5	55.7	42.4	35.3	32.2	31.2	31.2
45°	1707.9	1083.9	103.2	76.7	62.3	47.0	35.3	29.6	28.1	28.1	28.1
47.5°	1819.3	1051.2	94.0	71.5	55.7	38.3	29.6	27.1	26.6	26.6	27.1
50°	1931.7	1012.4	87.4	65.4	48.0	32.7	27.1	25.6	25.6	26.1	26.1
52.5°	2007.9	951.5	80.7	58.8	40.4	28.6	25.6	25.0	24.5	24.5	24.5
55°	2082.0	898.4	71.5	51.6	33.7	26.6	24.5	24.0	24.0	23.5	23.5
57.5°	2159.1	856.5	59.8	42.9	28.6	25.0	23.5	23.5	22.5	22.0	22.0
60°	2248.5	819.7	46.0	33.7	25.0	23.5	22.0	21.5	20.4	19.4	19.4
62.5°	2274.6	742.0	34.8	27.1	21.5	20.4	19.9	18.9	16.4	14.3	14.8
65°	2206.6	619.9	27.6	21.5	17.4	17.4	15.8	13.3	10.7	9.2	9.2
67.5°	2019.1	463.0	22.5	16.9	13.8	13.3	11.2	9.7	6.6	5.6	5.6
70°	1663.9	306.1	18.4	13.3	11.2	9.2	7.7	7.2	5.1	4.1	4.1
72.5°	1166.2	166.1	15.3	10.7	8.2	6.1	5.1	4.6	3.6	3.1	2.6
75°	615.8	63.9	12.3	8.2	5.1	4.1	3.1	3.1	2.6	2.0	2.0
77.5°	211.1	27.1	8.7	4.6	3.6	2.6	2.0	1.5	2.0	1.5	1.5
80°	50.1	15.8	5.6	3.1	2.0	1.5	1.5	1.0	1.0	1.0	1.0
82.5°	22.0	9.2	3.6	2.0	2.0	1.5	1.0	0.5	0.5	0.5	0.5
85°	14.8	5.6	2.6	2.0	1.5	1.0	0.5	0.5	0.0	0.0	0.0
87.5°	11.8	3.6	2.0	2.0	1.5	1.0	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)