

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: P674775

Luminaire Tested: **CCP-SA-2B-840-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674775
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-840-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

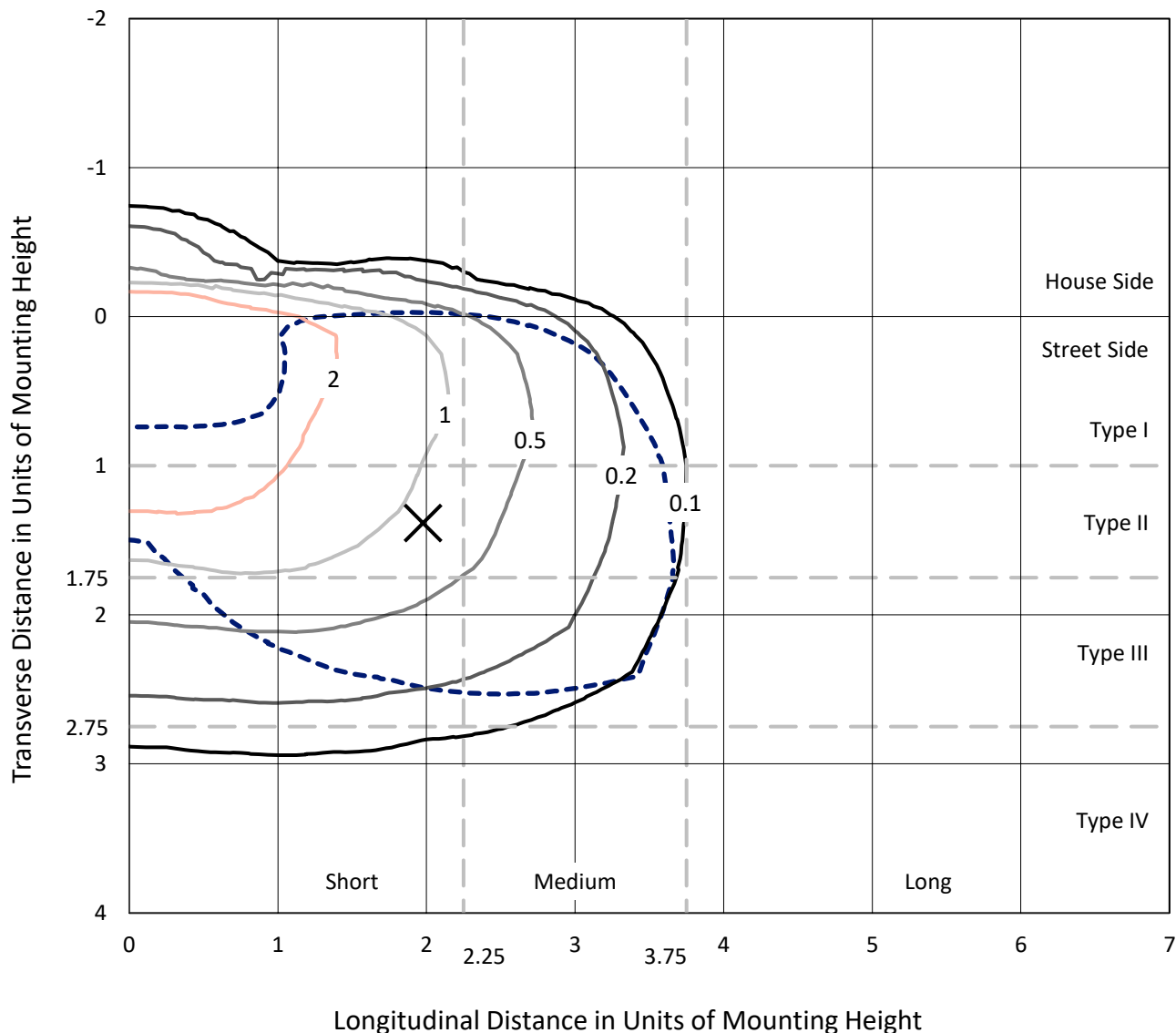
Lumens per Lamp: N/A
Luminaire Lumens: 4669.9 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

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

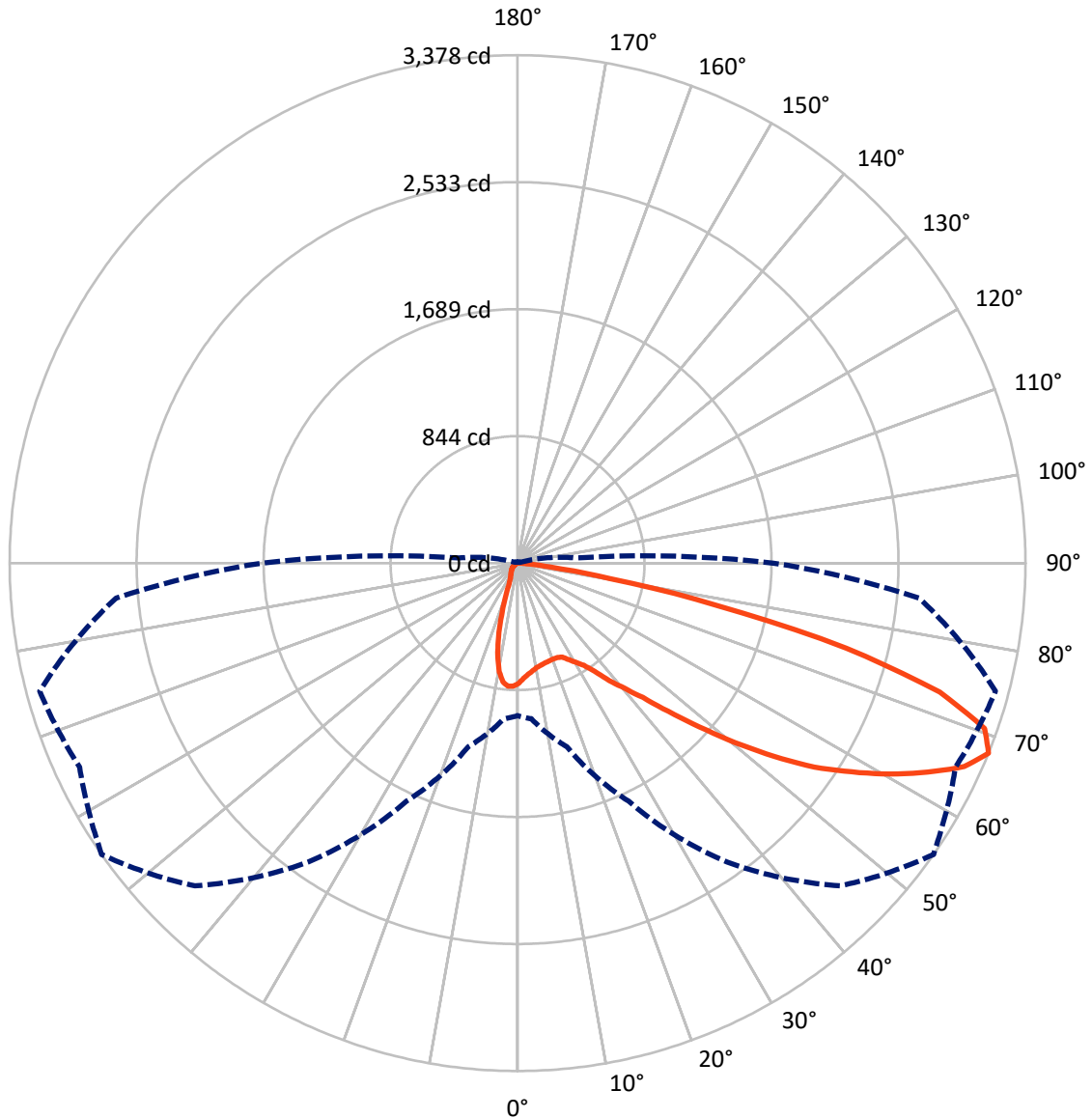
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 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	419.5	0.0	419.5
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4250.4	0.0	4250.4
	% Fixture	91.0	0.0	91.0
Total	Lumens	4669.9	0.0	4669.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	1.5
10°-20°	159.9	3.4
20°-30°	256.6	5.5
30°-40°	445.0	9.5
40°-50°	742.0	15.9
50°-60°	1085.0	23.2
60°-70°	1265.1	27.1
70°-80°	614.0	13.1
80°-90°	32.1	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°	4669.9	100.0
0°-180°	4669.9	100.0



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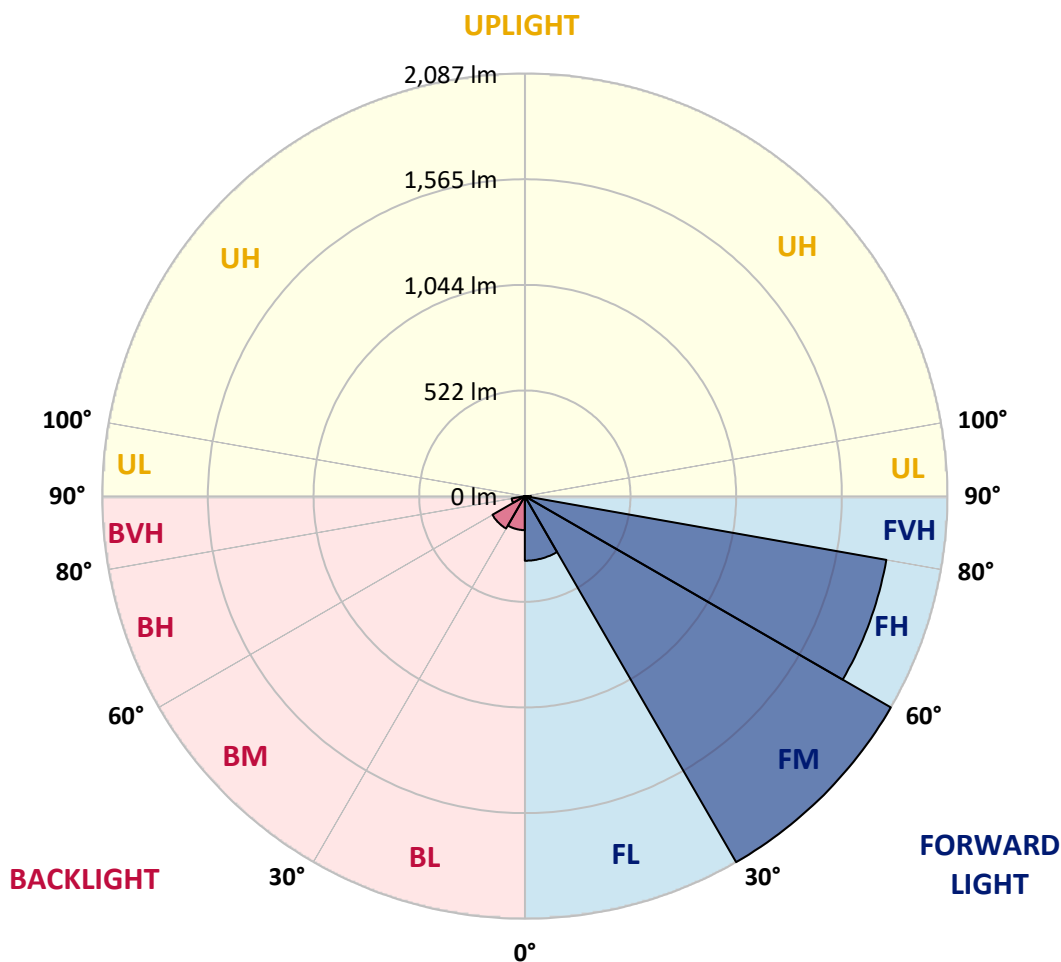
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.0	6.8			
FM (30°-60°)	2087.3	44.7			
FH (60°-80°)	1812.9	38.8			G2/5000
FVH (80°-90°)	31.2	0.7			G1/100
BL (0°-30°)	167.7	3.6	B1/500		
BM (30°-60°)	184.7	4.0	B0/220		
BH (60°-80°)	66.2	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	800.3	800.3	800.3	800.3	800.3	800.3	800.3	800.3	800.3	800.3	800.3
2.5°	738.8	743.5	749.5	751.7	759.0	769.3	766.3	764.1	775.8	791.7	796.8
5°	692.7	693.2	702.6	709.5	722.0	731.9	742.6	741.8	762.9	790.0	807.2
7.5°	647.5	648.4	658.3	669.1	687.1	706.5	722.8	722.0	756.0	792.1	824.8
10°	588.2	592.5	604.5	623.5	651.8	682.4	705.2	707.4	748.2	800.3	848.9
12.5°	540.4	542.6	555.9	580.4	614.0	654.0	696.6	695.3	749.9	815.3	880.3
15°	520.2	518.9	527.1	545.1	583.4	633.8	688.0	691.0	756.0	832.6	913.0
17.5°	524.9	523.6	527.9	534.4	561.5	617.0	683.3	688.4	765.4	850.6	943.6
20°	577.4	568.4	560.6	553.7	557.6	603.2	680.2	685.8	771.0	864.4	975.8
22.5°	678.5	667.3	646.7	608.4	583.0	604.1	681.1	688.4	783.5	886.8	1015.0
25°	843.3	832.6	788.2	709.9	642.8	635.1	692.7	700.5	812.3	920.8	1056.7
27.5°	1061.5	1037.4	983.6	871.3	741.8	684.5	727.6	736.2	853.2	947.0	1085.1
30°	1242.6	1237.0	1185.4	1047.7	878.2	757.3	766.7	771.5	871.7	962.9	1113.5
32.5°	1430.6	1419.0	1371.7	1237.9	1036.5	861.0	810.6	812.8	895.8	986.6	1154.8
35°	1594.1	1583.4	1543.8	1413.8	1221.5	1000.4	883.3	878.6	945.7	1038.7	1210.8
37.5°	1745.6	1744.3	1709.4	1576.9	1387.6	1144.9	990.5	986.6	1023.6	1095.9	1286.5
40°	1893.6	1890.1	1860.5	1739.6	1551.1	1289.1	1092.4	1082.5	1089.9	1175.9	1386.3
42.5°	1984.4	1991.7	2002.0	1925.4	1745.1	1458.2	1221.5	1215.5	1214.2	1301.1	1517.5
45°	2033.4	2046.3	2107.0	2100.1	1950.8	1668.6	1405.2	1389.7	1384.6	1473.2	1667.7
47.5°	2081.2	2086.8	2186.2	2227.9	2147.9	1888.0	1627.3	1605.7	1584.7	1683.2	1847.1
50°	2084.2	2093.2	2216.3	2317.8	2313.1	2104.0	1876.4	1857.4	1833.3	1938.8	2022.2
52.5°	2042.0	2060.1	2212.4	2374.6	2415.5	2294.6	2135.0	2119.5	2099.7	2178.4	2169.8
55°	1750.7	1781.3	2136.7	2379.8	2487.3	2458.1	2394.8	2373.3	2354.0	2409.9	2314.4
57.5°	1612.2	1629.4	1906.9	2375.9	2579.0	2609.5	2620.3	2610.4	2583.3	2653.0	2465.4
60°	1529.2	1554.1	1797.2	2332.9	2678.0	2780.8	2848.3	2828.5	2795.4	2891.4	2627.2
62.5°	1429.8	1447.8	1687.9	2209.0	2736.9	2955.0	3062.2	3044.1	2975.7	3111.2	2758.0
65°	1246.5	1273.6	1514.1	2014.1	2657.7	3082.8	3263.5	3257.5	3138.8	3277.3	2793.7
67.5°	1014.6	1039.1	1263.3	1746.9	2426.2	3035.1	3377.6	3358.6	3212.8	3289.8	2680.5
70°	761.6	774.9	944.0	1334.7	1987.8	2779.9	3294.9	3291.1	3100.5	3104.8	2333.3
72.5°	408.7	445.8	627.8	893.2	1397.9	2251.6	2936.5	2921.1	2766.2	2542.9	1678.0
75°	142.8	153.6	334.3	501.7	759.4	1499.9	2258.0	2221.9	2068.7	1653.9	914.3
77.5°	87.8	96.4	148.4	256.4	295.6	651.0	1356.6	1309.7	1210.8	715.1	312.4
80°	60.7	68.4	99.4	134.2	100.7	210.8	624.3	606.7	466.8	170.4	71.9
82.5°	34.0	40.9	75.3	65.8	40.4	54.6	216.4	200.5	124.3	46.0	24.1
85°	19.8	23.7	52.9	46.5	20.7	19.4	56.4	50.3	32.3	17.2	11.6
87.5°	10.3	13.3	38.7	31.0	12.5	6.9	12.9	12.5	8.2	6.0	7.7
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°	800.3	800.3	800.3	800.3	800.3	800.3	800.3	800.3	800.3	800.3	800.3
2.5°	806.3	804.2	815.3	819.2	818.4	816.6	820.9	815.3	814.9	813.6	812.3
5°	820.9	824.4	833.4	833.4	821.4	801.6	789.5	773.2	759.4	751.2	749.9
7.5°	842.9	849.8	855.8	837.3	796.0	746.9	694.9	654.0	618.3	599.8	598.1
10°	873.9	880.3	875.6	822.7	734.0	632.5	547.7	462.5	419.9	396.7	396.7
12.5°	910.9	916.0	887.2	786.1	632.1	484.9	371.7	282.3	239.7	212.1	210.4
15°	950.9	952.2	885.5	722.4	506.0	325.7	213.4	156.6	138.5	134.7	133.8
17.5°	985.7	980.6	867.4	628.2	364.4	194.0	135.5	122.6	119.2	119.2	119.2
20°	1018.4	1001.2	831.3	518.5	233.6	132.1	116.6	113.2	113.2	113.6	113.6
22.5°	1054.6	1020.6	779.6	396.7	150.2	113.2	109.3	107.6	107.1	108.4	108.0
25°	1097.2	1039.5	705.6	274.1	116.2	105.4	103.7	102.0	102.0	102.0	102.0
27.5°	1120.8	1036.9	621.3	173.0	101.5	97.7	95.9	94.2	92.9	92.5	92.9
30°	1141.5	1021.9	511.2	120.9	91.6	87.3	86.1	83.9	81.3	80.5	80.5
32.5°	1168.6	1009.4	395.8	97.2	83.0	78.3	74.4	71.0	66.7	65.0	64.5
35°	1198.7	986.6	290.0	85.6	75.3	69.3	63.2	57.7	52.1	50.3	49.9
37.5°	1236.1	965.9	196.6	79.2	68.8	61.5	53.4	45.6	40.4	39.6	39.6
40°	1286.9	948.7	136.0	73.6	62.8	54.2	44.3	36.1	32.7	31.8	31.8
42.5°	1356.2	934.5	102.8	68.8	57.7	46.9	35.7	29.7	27.1	26.2	26.2
45°	1437.9	912.6	86.9	64.5	52.5	39.6	29.7	25.0	23.7	23.7	23.7
47.5°	1531.7	885.0	79.2	60.2	46.9	32.3	25.0	22.8	22.4	22.4	22.8
50°	1626.4	852.3	73.6	55.1	40.4	27.5	22.8	21.5	21.5	21.9	21.9
52.5°	1690.5	801.1	68.0	49.5	34.0	24.1	21.5	21.1	20.7	20.7	20.7
55°	1752.9	756.4	60.2	43.5	28.4	22.4	20.7	20.2	20.2	19.8	19.8
57.5°	1817.9	721.1	50.3	36.1	24.1	21.1	19.8	19.8	18.9	18.5	18.5
60°	1893.2	690.1	38.7	28.4	21.1	19.8	18.5	18.1	17.2	16.3	16.3
62.5°	1915.1	624.7	29.3	22.8	18.1	17.2	16.8	15.9	13.8	12.0	12.5
65°	1857.9	521.9	23.2	18.1	14.6	14.6	13.3	11.2	9.0	7.7	7.7
67.5°	1700.0	389.8	18.9	14.2	11.6	11.2	9.5	8.2	5.6	4.7	4.7
70°	1400.9	257.7	15.5	11.2	9.5	7.7	6.5	6.0	4.3	3.4	3.4
72.5°	981.9	139.8	12.9	9.0	6.9	5.2	4.3	3.9	3.0	2.6	2.2
75°	518.5	53.8	10.3	6.9	4.3	3.4	2.6	2.6	2.2	1.7	1.7
77.5°	177.7	22.8	7.3	3.9	3.0	2.2	1.7	1.3	1.7	1.3	1.3
80°	42.2	13.3	4.7	2.6	1.7	1.3	1.3	0.9	0.9	0.9	0.9
82.5°	18.5	7.7	3.0	1.7	1.7	1.3	0.9	0.4	0.4	0.4	0.4
85°	12.5	4.7	2.2	1.7	1.3	0.9	0.4	0.4	0.0	0.0	0.0
87.5°	9.9	3.0	1.7	1.7	1.3	0.9	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)