

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: P674716

Luminaire Tested: **CCP-SA-1D-750-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674716
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-750-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

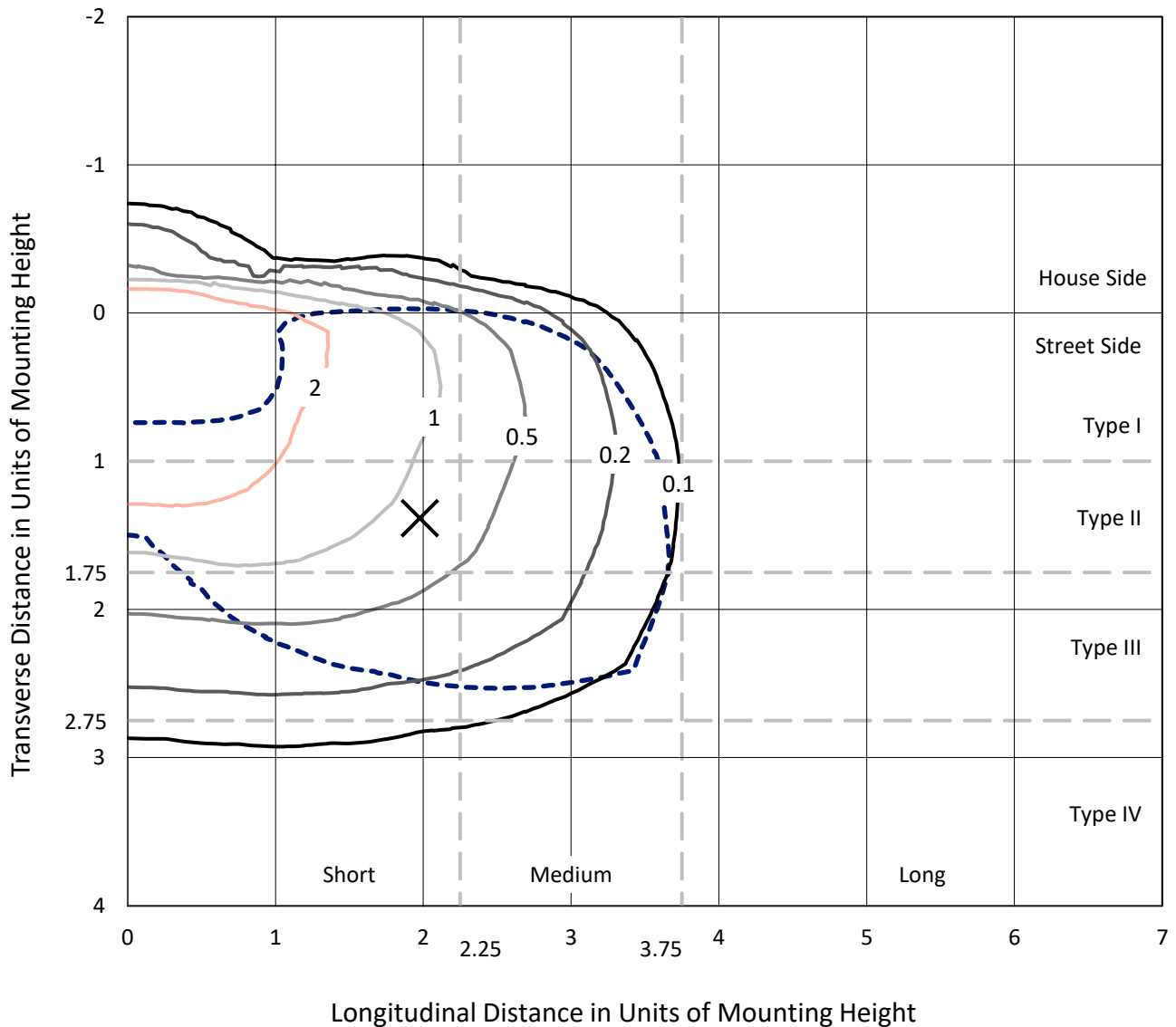
Lumens per Lamp: N/A
Luminaire Lumens: 4524.3 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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

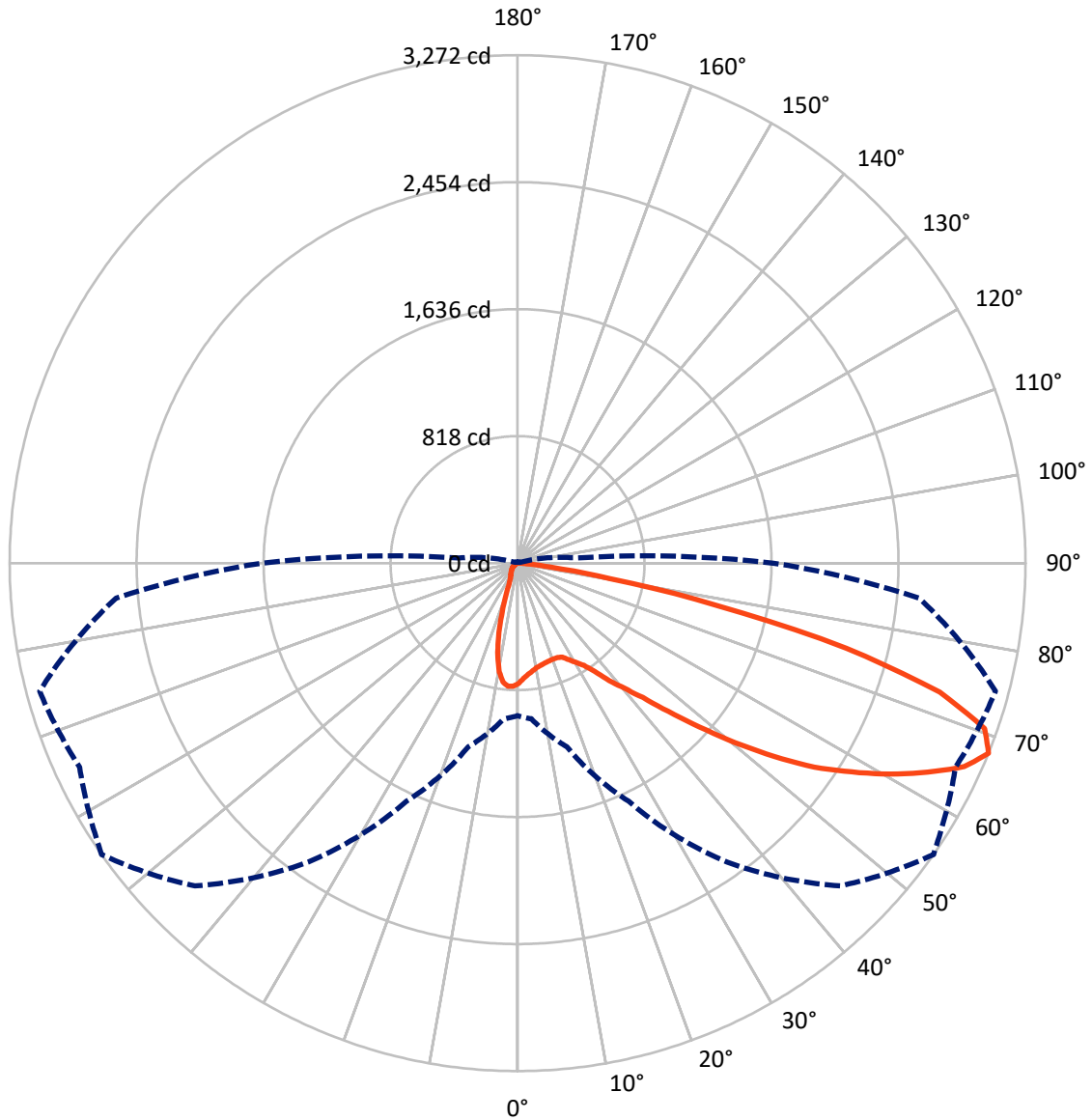
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 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	406.4	0.0	406.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4117.8	0.0	4117.8
	% Fixture	91.0	0.0	91.0
Total	Lumens	4524.3	0.0	4524.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.0	1.5
10°-20°	154.9	3.4
20°-30°	248.6	5.5
30°-40°	431.1	9.5
40°-50°	718.8	15.9
50°-60°	1051.2	23.2
60°-70°	1225.7	27.1
70°-80°	594.8	13.1
80°-90°	31.1	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°	4524.3	100.0
0°-180°	4524.3	100.0

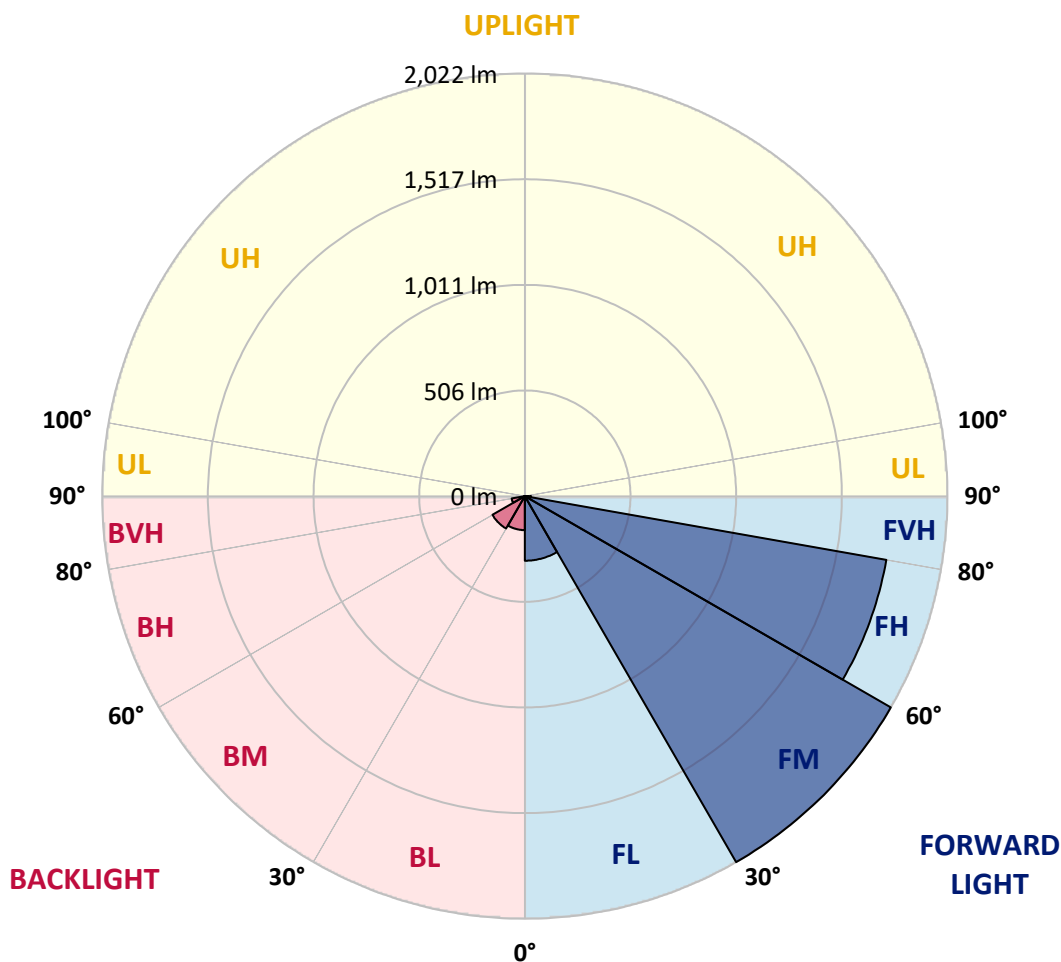


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	309.1	6.8			
FM (30°-60°)	2022.2	44.7			
FH (60°-80°)	1756.4	38.8			G1/1800
FVH (80°-90°)	30.2	0.7			G1/100
BL (0°-30°)	162.5	3.6	B1/500		
BM (30°-60°)	178.9	4.0	B0/220		
BH (60°-80°)	64.1	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-G1
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3
2.5°	715.7	720.3	726.1	728.2	735.3	745.3	742.4	740.3	751.6	767.0	772.0
5°	671.1	671.5	680.7	687.4	699.5	709.1	719.5	718.6	739.1	765.3	782.0
7.5°	627.4	628.2	637.8	648.2	665.7	684.5	700.3	699.5	732.4	767.4	799.1
10°	569.8	574.0	585.7	604.0	631.5	661.1	683.2	685.3	724.9	775.3	822.4
12.5°	523.6	525.6	538.6	562.3	594.8	633.6	674.9	673.6	726.6	789.9	852.9
15°	504.0	502.7	510.6	528.1	565.2	614.0	666.5	669.5	732.4	806.6	884.5
17.5°	508.6	507.3	511.5	517.7	544.0	597.8	661.9	667.0	741.6	824.1	914.1
20°	559.4	550.7	543.1	536.5	540.2	584.4	659.0	664.5	747.0	837.4	945.4
22.5°	657.4	646.5	626.5	589.4	564.8	585.2	659.9	667.0	759.1	859.1	983.3
25°	817.0	806.6	763.7	687.8	622.8	615.3	671.1	678.6	787.0	892.0	1023.8
27.5°	1028.4	1005.0	952.9	844.1	718.6	663.2	704.9	713.2	826.6	917.5	1051.3
30°	1203.8	1198.4	1148.4	1015.0	850.8	733.6	742.8	747.4	844.5	932.9	1078.8
32.5°	1386.0	1374.8	1328.9	1199.3	1004.2	834.1	785.3	787.4	867.9	955.8	1118.8
35°	1544.4	1534.0	1495.6	1369.8	1183.4	969.2	855.8	851.2	916.2	1006.3	1173.0
37.5°	1691.1	1689.9	1656.1	1527.7	1344.3	1109.2	959.6	955.8	991.7	1061.7	1246.4
40°	1834.5	1831.2	1802.4	1685.3	1502.7	1248.9	1058.4	1048.8	1055.9	1139.2	1343.1
42.5°	1922.5	1929.6	1939.6	1865.4	1690.7	1412.7	1183.4	1177.6	1176.3	1260.5	1470.2
45°	1970.0	1982.5	2041.3	2034.6	1890.0	1616.5	1361.4	1346.4	1341.4	1427.3	1615.7
47.5°	2016.3	2021.7	2118.0	2158.4	2080.9	1829.1	1576.5	1555.7	1535.2	1630.7	1789.5
50°	2019.2	2027.9	2147.2	2245.5	2241.0	2038.4	1817.9	1799.5	1776.2	1878.3	1959.2
52.5°	1978.3	1995.9	2143.4	2300.6	2340.2	2223.0	2068.4	2053.4	2034.2	2110.5	2102.1
55°	1696.1	1725.7	2070.1	2305.6	2409.8	2381.4	2320.2	2299.3	2280.6	2334.7	2242.2
57.5°	1561.9	1578.6	1847.5	2301.8	2498.6	2528.2	2538.6	2529.0	2502.7	2570.3	2388.5
60°	1481.5	1505.6	1741.2	2260.1	2594.4	2694.1	2759.5	2740.3	2708.2	2801.2	2545.3
62.5°	1385.2	1402.7	1635.3	2140.1	2651.5	2862.9	2966.7	2949.2	2882.9	3014.2	2672.0
65°	1207.6	1233.9	1466.9	1951.2	2574.8	2986.7	3161.8	3155.9	3040.9	3175.1	2706.6
67.5°	982.9	1006.7	1223.9	1692.4	2350.6	2940.4	3272.2	3253.9	3112.6	3187.2	2596.9
70°	737.8	750.7	914.6	1293.1	1925.8	2693.2	3192.2	3188.4	3003.8	3008.0	2260.5
72.5°	396.0	431.9	608.2	865.4	1354.3	2181.3	2845.0	2830.0	2679.9	2463.6	1625.7
75°	138.4	148.8	323.9	486.0	735.7	1453.1	2187.6	2152.6	2004.2	1602.4	885.8
77.5°	85.0	93.4	143.8	248.4	286.4	630.7	1314.3	1268.9	1173.0	692.8	302.6
80°	58.8	66.3	96.3	130.1	97.5	204.3	604.8	587.8	452.3	165.1	69.6
82.5°	32.9	39.6	72.9	63.8	39.2	52.9	209.7	194.2	120.5	44.6	23.3
85°	19.2	22.9	51.3	45.0	20.0	18.8	54.6	48.8	31.3	16.7	11.3
87.5°	10.0	12.9	37.5	30.0	12.1	6.7	12.5	12.1	7.9	5.8	7.5
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°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3
2.5°	781.2	779.1	789.9	793.7	792.8	791.2	795.3	789.9	789.5	788.3	787.0
5°	795.3	798.7	807.4	807.4	795.8	776.6	764.9	749.1	735.7	727.8	726.6
7.5°	816.6	823.3	829.1	811.2	771.2	723.6	673.2	633.6	599.0	581.1	579.4
10°	846.6	852.9	848.3	797.0	711.1	612.8	530.6	448.1	406.8	384.3	384.3
12.5°	882.5	887.5	859.5	761.6	612.3	469.8	360.2	273.5	232.2	205.5	203.8
15°	921.2	922.5	857.9	699.9	490.2	315.6	206.8	151.7	134.2	130.5	129.6
17.5°	955.0	950.0	840.4	608.6	353.1	188.0	131.3	118.8	115.5	115.5	115.5
20°	986.7	970.0	805.3	502.3	226.3	128.0	113.0	109.6	109.6	110.0	110.0
22.5°	1021.7	988.8	755.3	384.3	145.5	109.6	105.9	104.2	103.8	105.0	104.6
25°	1063.0	1007.1	683.6	265.5	112.5	102.1	100.5	98.8	98.8	98.8	98.8
27.5°	1085.9	1004.6	601.9	167.6	98.4	94.6	93.0	91.3	90.0	89.6	90.0
30°	1105.9	990.0	495.2	117.1	88.8	84.6	83.4	81.3	78.8	77.9	77.9
32.5°	1132.1	977.9	383.5	94.2	80.5	75.9	72.1	68.8	64.6	62.9	62.5
35°	1161.3	955.8	281.0	83.0	72.9	67.1	61.3	55.9	50.4	48.8	48.4
37.5°	1197.6	935.8	190.5	76.7	66.7	59.6	51.7	44.2	39.2	38.3	38.3
40°	1246.8	919.1	131.7	71.3	60.9	52.5	42.9	35.0	31.7	30.8	30.8
42.5°	1313.9	905.4	99.6	66.7	55.9	45.4	34.6	28.8	26.3	25.4	25.4
45°	1393.1	884.1	84.2	62.5	50.9	38.3	28.8	24.2	22.9	22.9	22.9
47.5°	1484.0	857.4	76.7	58.4	45.4	31.3	24.2	22.1	21.7	21.7	22.1
50°	1575.7	825.8	71.3	53.4	39.2	26.7	22.1	20.8	20.8	21.3	21.3
52.5°	1637.8	776.2	65.9	47.9	32.9	23.3	20.8	20.4	20.0	20.0	20.0
55°	1698.2	732.8	58.4	42.1	27.5	21.7	20.0	19.6	19.6	19.2	19.2
57.5°	1761.2	698.6	48.8	35.0	23.3	20.4	19.2	19.2	18.3	17.9	17.9
60°	1834.1	668.6	37.5	27.5	20.4	19.2	17.9	17.5	16.7	15.8	15.8
62.5°	1855.4	605.3	28.3	22.1	17.5	16.7	16.3	15.4	13.3	11.7	12.1
65°	1799.9	505.6	22.5	17.5	14.2	14.2	12.9	10.8	8.8	7.5	7.5
67.5°	1647.0	377.7	18.3	13.8	11.3	10.8	9.2	7.9	5.4	4.6	4.6
70°	1357.2	249.7	15.0	10.8	9.2	7.5	6.3	5.8	4.2	3.3	3.3
72.5°	951.2	135.5	12.5	8.8	6.7	5.0	4.2	3.8	2.9	2.5	2.1
75°	502.3	52.1	10.0	6.7	4.2	3.3	2.5	2.5	2.1	1.7	1.7
77.5°	172.2	22.1	7.1	3.8	2.9	2.1	1.7	1.3	1.7	1.3	1.3
80°	40.9	12.9	4.6	2.5	1.7	1.3	1.3	0.8	0.8	0.8	0.8
82.5°	17.9	7.5	2.9	1.7	1.7	1.3	0.8	0.4	0.4	0.4	0.4
85°	12.1	4.6	2.1	1.7	1.3	0.8	0.4	0.4	0.0	0.0	0.0
87.5°	9.6	2.9	1.7	1.7	1.3	0.8	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)