

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: STREETWORKS

Report Number: P367817

Luminaire Tested: **PMM-SA3B-730-U-SL4-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-21)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3B-730-U-SL4-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11072 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

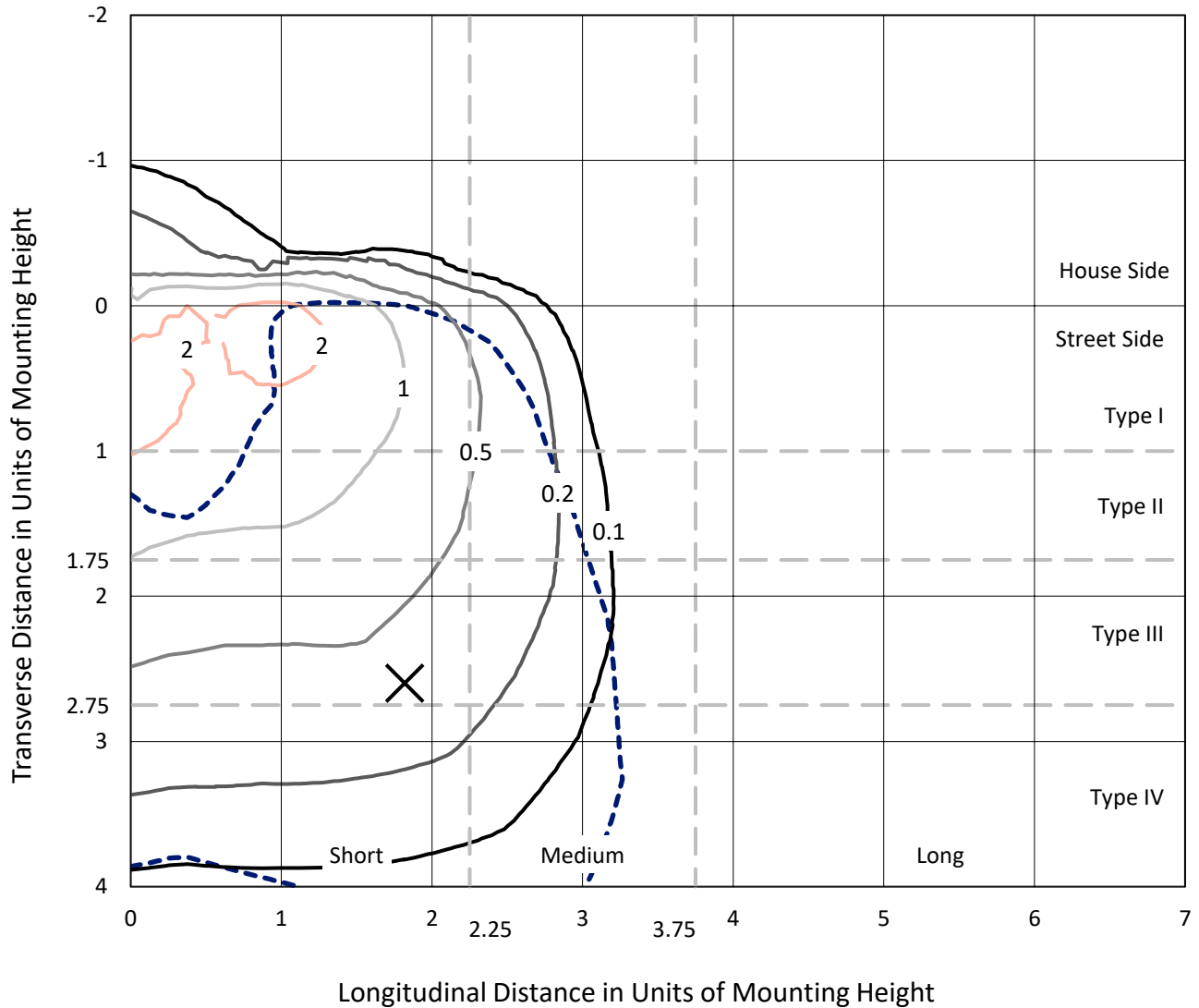
Input Watts (W): 126
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

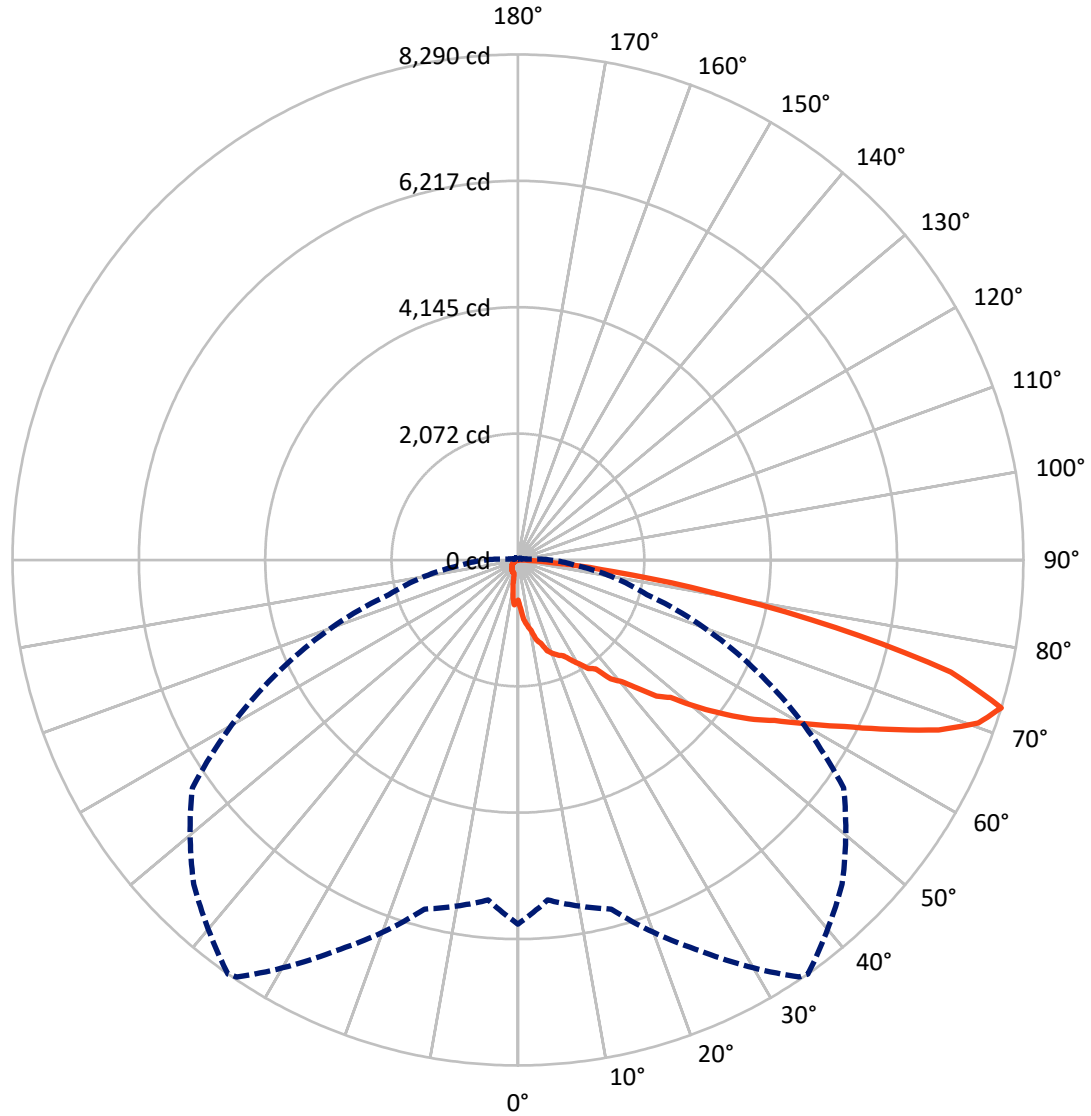
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	863.6	0.0	863.6
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	10208.4	0.0	10208.4
	% Fixture	92.2	0.0	92.2
Total	Lumens	11072.0	0.0	11072.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	0.8
10°-20°	283.4	2.6
20°-30°	516.0	4.7
30°-40°	890.1	8.0
40°-50°	1582.2	14.3
50°-60°	2361.0	21.3
60°-70°	3016.5	27.2
70°-80°	2098.7	19.0
80°-90°	240.1	2.2
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°	11072.0	100.0
0°-180°	11072.0	100.0

Coefficient of Utilization



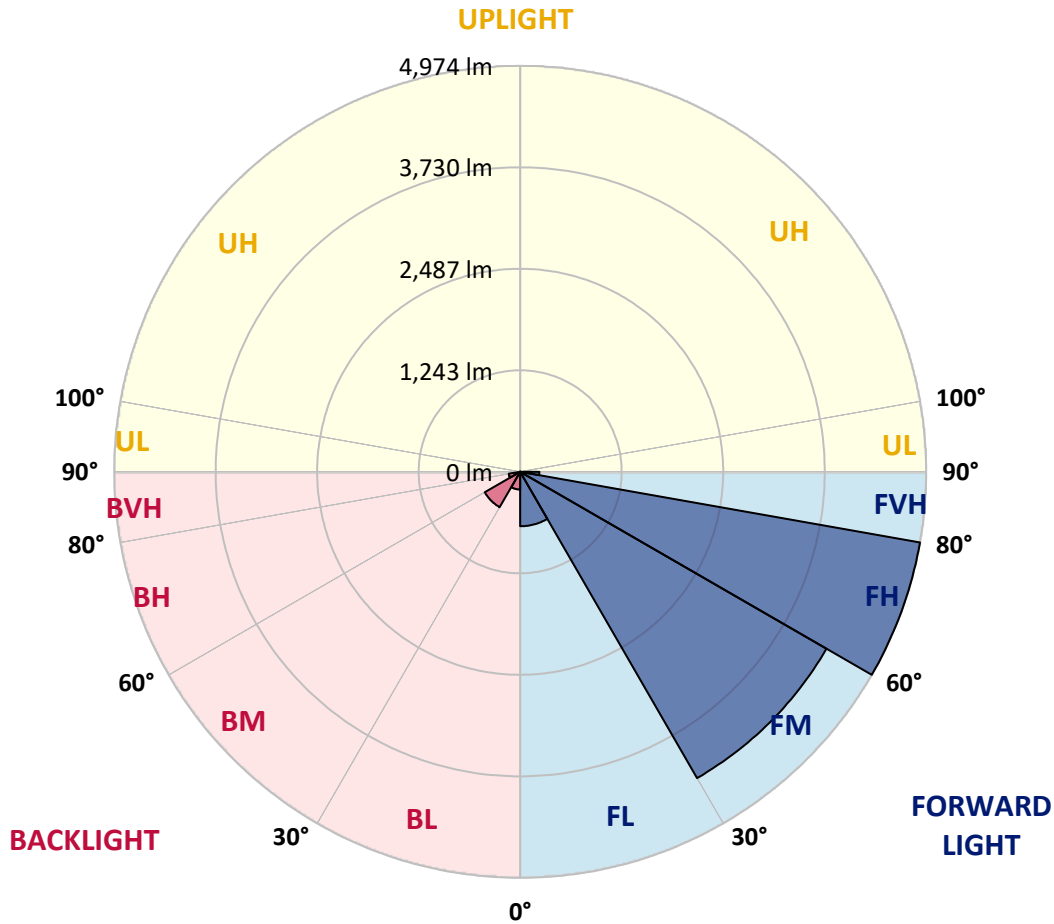
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	666.3	6.0			
FM (30°-60°)	4332.5	39.1			
FH (60°-80°)	4973.6	44.9			G2/5000
FVH (80°-90°)	236.0	2.1			G3/500
BL (0°-30°)	217.2	2.0	B1/500		
BM (30°-60°)	500.8	4.5	B1/1000		
BH (60°-80°)	141.6	1.3	B1/500		G1/500
BVH (80°-90°)	4.0	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6
2.5°	839.3	806.5	753.1	757.0	780.9	785.9	793.1	774.2	757.5	728.0	785.3
5°	1075.3	1028.0	998.0	988.5	974.6	975.7	941.7	954.0	950.7	972.4	998.5
7.5°	1208.4	1182.2	1144.3	1133.8	1082.6	1077.0	1035.3	1091.5	1097.0	1089.2	1132.1
10°	1261.2	1226.7	1231.2	1191.7	1166.1	1172.7	1179.4	1183.9	1191.1	1198.3	1146.0
12.5°	1292.4	1298.5	1359.2	1318.0	1343.6	1343.6	1388.7	1340.8	1342.5	1290.2	1299.1
15°	1432.7	1466.6	1439.3	1438.8	1411.0	1418.2	1470.5	1432.7	1452.1	1436.6	1376.4
17.5°	1608.5	1615.2	1563.5	1540.6	1565.7	1566.2	1544.0	1542.3	1474.4	1589.1	1516.1
20°	1664.8	1702.6	1629.1	1540.1	1644.2	1639.2	1637.5	1611.3	1498.3	1657.5	1597.4
22.5°	1817.8	1763.8	1713.7	1655.3	1695.9	1695.9	1689.8	1632.5	1588.5	1651.4	1677.0
25°	1865.7	1872.4	1807.2	1788.3	1789.4	1739.3	1734.9	1710.4	1668.1	1775.5	1724.3
27.5°	2030.4	2027.7	1871.3	1924.1	1856.8	1857.3	1734.3	1789.4	1796.7	1781.6	1839.0
30°	2192.4	2237.5	2001.5	2068.3	1997.6	1976.4	1856.2	1905.2	1918.0	1900.8	1973.1
32.5°	2398.9	2465.1	2235.8	2170.1	2062.2	2122.3	2039.3	1923.6	1987.0	2141.2	2181.8
35°	2617.6	2649.9	2405.6	2313.7	2191.8	2191.3	2188.5	2198.0	2268.1	2441.8	2476.3
37.5°	3010.6	2934.3	2713.4	2503.0	2530.3	2469.6	2427.3	2471.8	2544.7	2830.8	2978.3
40°	3229.9	3174.8	2863.6	2739.0	2603.7	2626.0	2740.6	2735.6	2929.9	3229.3	3450.3
42.5°	3443.1	3390.7	3084.6	2983.9	2810.2	2870.9	2921.0	2984.4	3382.4	3865.5	3986.8
45°	3632.9	3479.2	3263.3	3267.2	3177.0	3184.2	3272.7	3331.2	3906.7	4402.1	4487.2
47.5°	3747.5	3621.2	3414.1	3410.2	3404.7	3370.7	3787.6	3841.0	4324.7	4913.0	4920.8
50°	3908.9	3750.9	3569.4	3572.7	3701.3	3773.1	4270.7	4265.1	4728.2	5339.4	5159.6
52.5°	4109.9	3916.7	3716.9	3865.5	4064.2	4181.1	4585.2	4749.9	5161.8	5607.1	5253.1
55°	4367.0	4125.4	3932.9	4123.2	4556.8	4601.9	4893.0	5240.8	5634.3	5880.4	5283.1
57.5°	4668.7	4380.4	4224.5	4531.2	4963.7	4964.8	5341.0	5764.0	5924.3	5991.7	5249.2
60°	4993.7	4657.5	4500.6	4776.6	5412.3	5457.9	5839.2	6052.9	6218.8	6047.9	5188.5
62.5°	5279.8	4908.6	4786.7	5111.2	5904.3	6012.3	6273.3	6242.7	6431.4	6118.6	5034.3
65°	5620.4	5233.6	5153.5	5632.7	6546.6	6695.2	6760.9	6579.4	6502.6	6064.0	4633.0
67.5°	5957.7	5595.9	5593.7	6211.0	7388.7	7439.9	7370.9	7054.2	6419.7	5583.1	3897.8
70°	6195.4	5806.9	5953.3	6844.4	8154.0	8010.4	7719.9	7278.5	5820.8	4279.1	2546.4
72.5°	5972.2	5597.6	5927.7	7069.8	8248.6	8289.8	7517.8	6519.9	4324.7	2188.5	921.7
75°	4538.4	4309.1	5146.8	6272.2	7323.6	7333.1	6275.0	4598.5	2129.5	594.4	254.9
77.5°	2285.9	2213.0	3257.7	4452.7	5343.3	5327.7	4311.3	2463.5	685.2	197.6	128.6
80°	1157.1	1098.7	1386.5	2402.2	3173.1	3196.5	2461.8	1103.2	345.6	107.4	89.1
82.5°	710.8	674.6	758.6	1087.0	1540.1	1577.4	934.0	698.5	214.3	63.5	81.3
85°	137.5	144.7	435.8	544.3	615.0	600.6	276.6	575.0	64.6	37.8	59.0
87.5°	0.0	2.2	100.7	177.6	178.1	158.1	62.9	127.5	8.9	10.6	7.2
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°	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6
2.5°	794.8	786.5	716.9	709.1	710.8	699.1	695.2	670.7	664.6	702.4	709.1
5°	987.4	931.7	867.2	843.8	807.6	746.4	737.5	721.9	704.6	711.3	706.3
7.5°	1105.4	1031.4	962.3	839.3	737.5	648.4	634.0	607.2	580.5	581.1	598.3
10°	1124.3	1062.0	966.8	817.1	700.7	589.4	492.6	422.5	390.7	362.3	370.7
12.5°	1234.0	1176.1	1000.7	810.4	647.3	473.7	346.8	278.3	248.2	238.2	237.1
15°	1321.9	1276.3	1058.6	789.8	528.8	333.4	248.2	228.2	222.6	232.1	229.3
17.5°	1452.7	1370.3	1052.5	704.6	403.0	253.2	228.8	226.0	232.7	238.2	239.9
20°	1510.0	1391.5	1010.8	571.1	301.7	232.1	223.2	217.6	229.9	246.6	243.2
22.5°	1567.9	1427.6	961.8	467.5	242.7	222.1	217.1	212.6	222.1	238.2	242.1
25°	1594.1	1485.5	907.2	365.1	225.4	210.4	207.1	208.7	216.5	231.0	229.3
27.5°	1726.0	1492.2	803.2	288.3	218.2	202.0	202.0	205.9	205.9	225.4	223.7
30°	1808.4	1605.2	718.6	242.7	209.8	190.4	197.0	198.7	195.9	217.1	218.7
32.5°	1953.1	1636.4	636.2	222.6	196.5	188.7	187.6	188.7	190.9	211.5	212.1
35°	2175.7	1790.0	523.7	214.8	189.8	180.3	172.5	178.7	184.2	199.3	202.0
37.5°	2611.0	1947.5	426.9	208.7	186.5	172.5	169.8	168.6	178.7	195.9	201.5
40°	2963.3	2226.4	347.3	203.7	179.8	168.1	160.9	161.4	170.3	183.1	191.5
42.5°	3462.0	2427.8	294.4	195.9	170.3	158.6	150.3	155.3	159.2	172.5	178.1
45°	3878.3	2584.2	259.4	190.9	160.9	149.7	143.0	148.6	144.7	151.4	159.2
47.5°	4209.5	2720.6	233.2	178.7	154.7	144.7	136.4	134.7	128.0	129.7	136.9
50°	4391.5	2697.8	211.5	166.4	146.9	139.7	128.0	116.3	107.4	106.9	111.3
52.5°	4456.0	2575.9	193.7	155.8	137.5	128.6	115.2	99.1	90.2	87.4	91.3
55°	4473.9	2400.6	177.6	144.2	128.6	114.7	100.7	83.5	74.0	69.6	73.5
57.5°	4416.0	2130.6	162.0	133.0	118.0	101.3	86.3	68.5	59.6	54.0	57.3
60°	4272.9	1787.8	148.1	119.1	106.9	89.6	72.9	55.1	45.6	40.6	42.3
62.5°	3956.2	1401.5	133.0	106.3	95.2	78.5	61.2	43.4	34.5	30.1	30.6
65°	3474.2	1044.7	115.8	94.1	84.6	67.9	49.0	33.4	26.2	22.3	21.7
67.5°	2767.9	708.0	98.5	81.3	75.1	57.3	39.0	26.2	20.6	17.8	16.7
70°	1626.9	356.8	81.8	70.1	64.6	47.9	30.6	21.2	18.9	16.7	15.6
72.5°	536.6	154.2	64.0	57.9	53.4	38.4	23.9	19.5	18.4	16.1	15.0
75°	187.0	89.1	47.3	44.5	42.3	28.9	20.0	17.8	17.8	15.6	13.9
77.5°	122.4	69.0	35.1	32.3	31.7	21.2	17.3	16.7	15.6	12.8	10.6
80°	101.9	39.0	24.5	22.8	22.3	13.4	13.9	12.2	9.5	5.6	2.2
82.5°	94.1	23.4	12.8	13.9	12.8	5.0	7.8	6.7	5.0	2.2	0.0
85°	55.1	10.6	7.2	7.2	5.6	1.1	3.9	3.9	2.2	0.6	0.0
87.5°	6.1	5.0	3.9	3.9	2.8	0.0	1.7	1.1	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)