

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: P368489

Luminaire Tested: **PMM-SA4C-730-U-T4W-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-15)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA4C-730-U-T4W-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16520 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G4

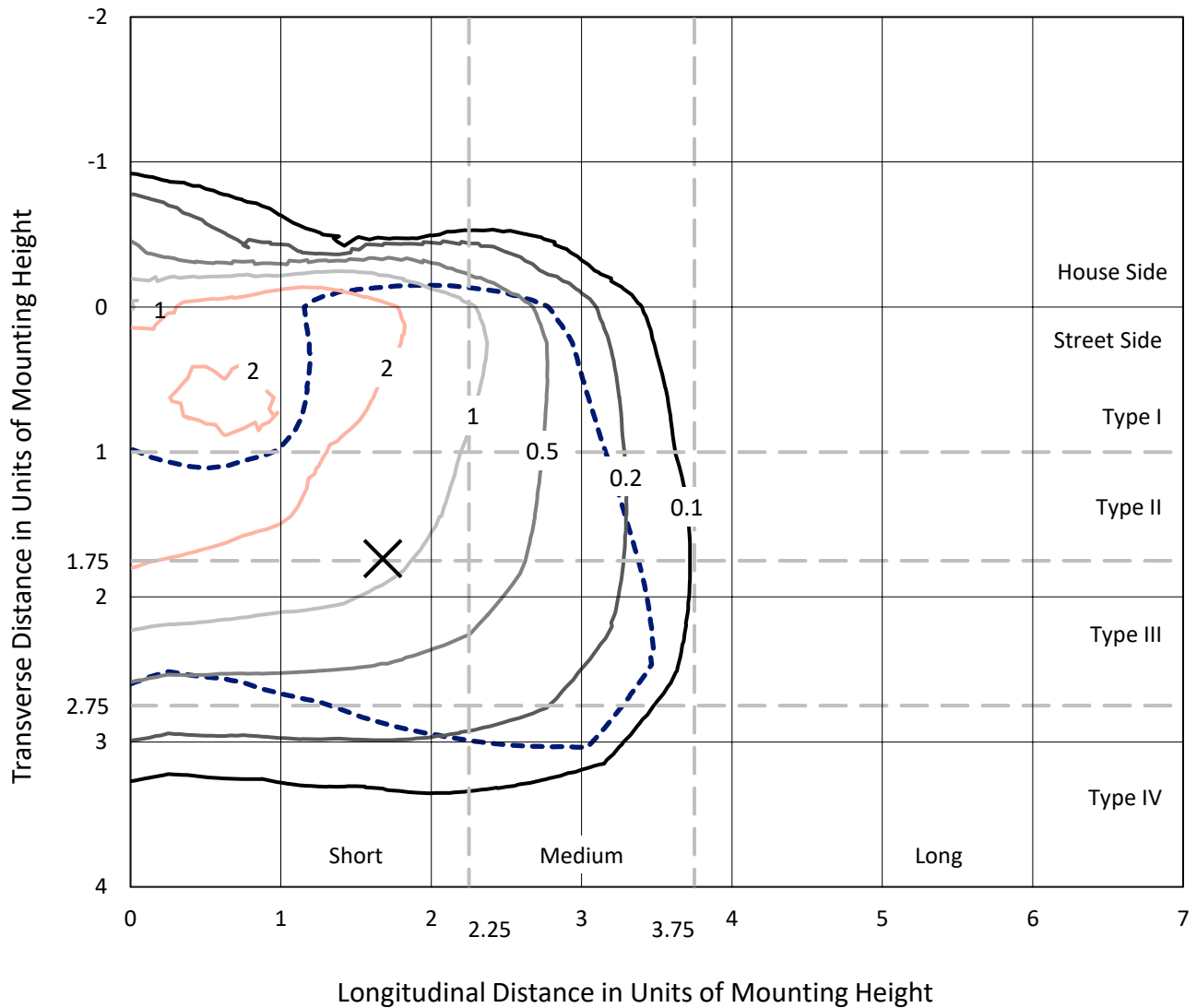
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

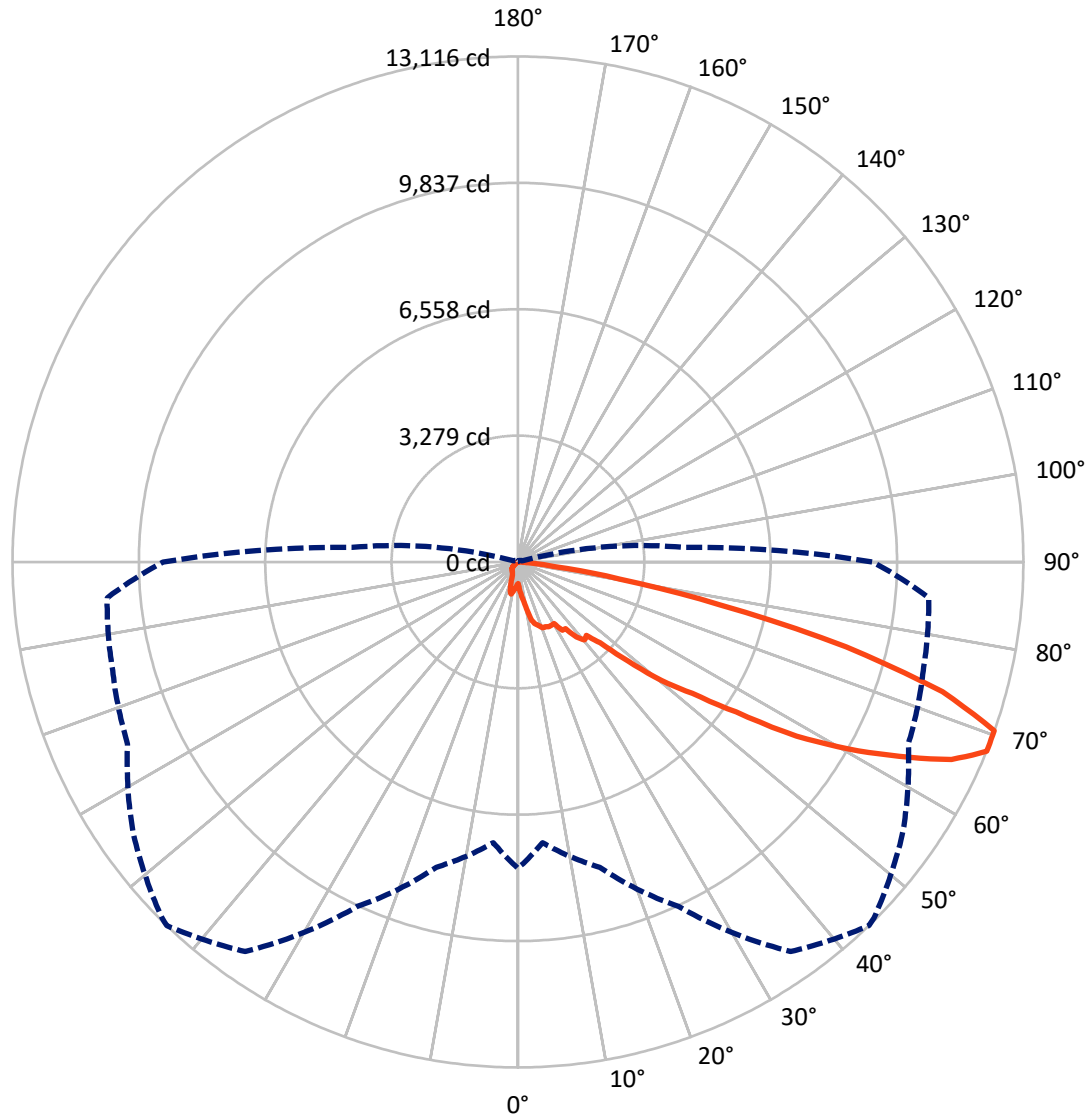
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - N/A

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CATALOG NUMBER: PMM-SA4C-730-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1678.1	0.0	1678.1
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	14841.9	0.0	14841.9
	% Fixture	89.8	0.0	89.8
Total	Lumens	16520.0	0.0	16520.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	0.5
10°-20°	345.4	2.1
20°-30°	611.8	3.7
30°-40°	994.5	6.0
40°-50°	1990.0	12.0
50°-60°	4082.6	24.7
60°-70°	5608.3	33.9
70°-80°	2636.0	16.0
80°-90°	168.8	1.0
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°	16520.0	100.0
0°-180°	16520.0	100.0

Coefficient of Utilization

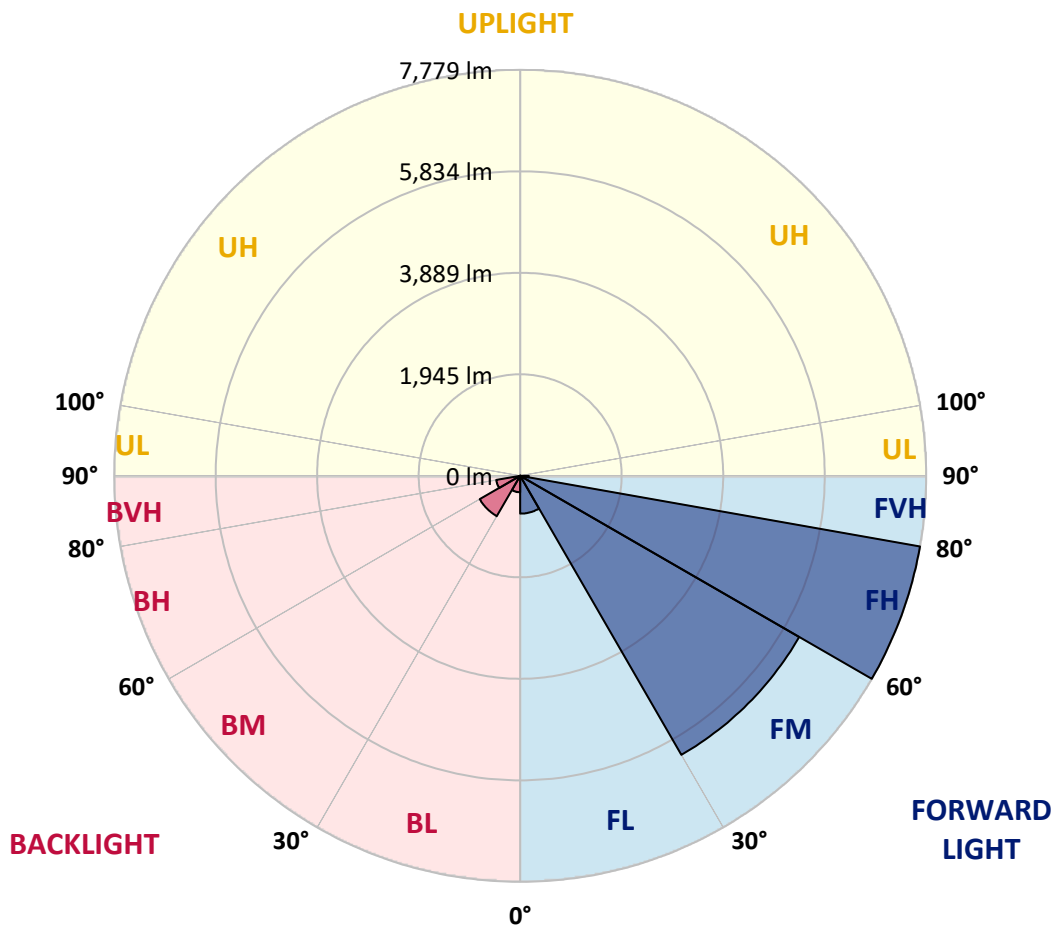


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	724.6	4.4			
FM (30°-60°)	6173.3	37.4			
FH (60°-80°)	7778.6	47.1			G4/12000
FVH (80°-90°)	165.4	1.0			G2/225
BL (0°-30°)	315.1	1.9	B1/500		
BM (30°-60°)	893.9	5.4	B1/1000		
BH (60°-80°)	465.7	2.8	B1/500		G1/500
BVH (80°-90°)	3.4	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-G4
 Type IV Short





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CATALOG NUMBER: PMM-SA4C-730-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6
2.5°	707.8	685.0	652.2	659.5	663.2	673.2	674.1	661.4	624.9	614.9	659.5
5°	992.0	936.5	926.4	905.5	863.6	840.8	835.3	858.1	829.0	819.9	831.7
7.5°	1267.1	1219.8	1167.8	1139.6	1052.1	998.4	995.7	1004.8	1010.2	978.4	994.8
10°	1450.2	1398.3	1387.4	1320.9	1245.3	1232.5	1227.1	1192.4	1164.2	1140.5	1061.3
12.5°	1616.0	1615.1	1635.2	1539.5	1527.7	1540.4	1535.9	1412.0	1383.7	1284.4	1261.7
15°	1836.5	1891.1	1804.6	1724.4	1622.4	1666.1	1654.3	1575.0	1555.9	1488.5	1391.0
17.5°	2065.1	2079.7	1934.9	1811.9	1785.5	1728.1	1739.9	1711.7	1615.1	1668.9	1572.3
20°	2070.6	2102.5	1947.6	1744.5	1825.5	1822.8	1823.7	1796.4	1668.9	1794.6	1706.2
22.5°	2147.1	2068.8	1924.8	1795.5	1810.1	1823.7	1838.3	1804.6	1777.3	1808.2	1824.6
25°	2116.1	2085.2	1946.7	1861.1	1847.4	1858.3	1862.0	1904.8	1887.5	1962.2	1921.2
27.5°	2196.3	2151.7	1903.9	1919.4	1871.1	1858.3	1836.5	1979.5	2030.5	1971.3	2080.6
30°	2333.9	2327.5	1977.7	2000.4	1963.1	1851.1	1909.4	2096.1	2159.9	2123.4	2256.4
32.5°	2548.8	2570.7	2193.6	2046.0	2065.1	2115.2	2093.4	2096.1	2257.3	2338.4	2444.1
35°	2854.0	2842.2	2404.0	2219.1	2118.9	2127.1	2158.0	2306.5	2515.1	2509.7	2621.7
37.5°	3453.4	3324.1	2776.6	2395.8	2425.9	2466.9	2444.1	2643.6	2663.6	2670.9	2938.7
40°	4337.0	4164.9	3364.1	2768.4	2478.7	2660.0	2649.0	2698.2	2832.1	2882.3	3273.0
42.5°	5501.2	5269.9	4398.1	3453.4	2733.8	2609.0	2676.4	2769.3	3219.3	3362.3	3790.5
45°	6787.5	6319.3	5429.3	4430.0	3373.3	2986.1	3037.1	3210.2	3834.2	4071.0	4543.8
47.5°	7621.0	7209.3	6450.4	5295.4	4040.1	3836.9	3841.5	3878.8	4556.6	4995.7	5629.7
50°	8345.2	7907.1	7202.9	6199.9	5219.8	4835.3	4747.9	4575.7	5476.6	6077.0	6780.2
52.5°	9367.3	8855.4	7955.3	7261.2	6565.2	5659.7	5628.8	5687.1	6561.6	7192.9	7959.9
55°	10289.2	9667.0	8808.0	8370.7	8099.3	6871.3	6897.7	6995.2	7954.4	8288.7	9009.3
57.5°	10696.4	10022.3	9580.5	9383.7	9238.9	8526.5	8437.2	8378.9	9053.0	9180.6	10108.8
60°	10963.3	10322.0	10121.6	10167.1	10606.2	9850.1	9769.0	9430.2	9962.2	10066.9	11094.5
62.5°	10794.8	10209.9	10252.8	10632.6	11607.3	11110.0	10875.8	10309.2	10705.5	10790.2	11802.3
65°	9733.5	9124.1	9674.3	10593.5	12370.7	12358.9	12250.5	11120.9	11117.3	11225.7	11856.9
67.5°	7950.8	7311.3	8201.3	9859.2	12338.8	13115.9	13064.9	12197.6	11176.5	10886.8	10700.0
70°	5527.7	4972.9	5982.2	8142.1	11239.3	13110.4	13028.4	12920.9	10708.2	9371.0	8296.0
72.5°	2872.2	2567.1	3507.2	5610.5	8959.2	11519.0	11789.5	11612.8	9143.2	6808.5	4885.4
75°	975.6	875.4	1446.6	2977.9	5955.8	8796.1	9113.2	8933.7	6210.0	3652.9	1932.1
77.5°	378.0	351.6	518.3	1208.8	2987.9	5360.0	5704.4	5521.3	3330.4	1338.2	454.6
80°	215.0	207.7	286.0	544.7	1317.2	2666.4	2908.7	2638.1	1200.6	450.9	118.4
82.5°	91.1	93.8	159.4	294.2	662.3	941.0	1049.4	957.4	502.8	308.8	43.7
85°	20.0	24.6	75.6	164.0	277.8	268.7	281.5	312.5	308.8	226.8	19.1
87.5°	0.0	0.0	23.7	44.6	66.5	43.7	34.6	61.0	94.7	91.1	8.2
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°	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6
2.5°	667.7	658.6	601.2	597.6	601.2	591.2	590.3	569.3	571.2	618.5	622.2
5°	831.7	786.2	737.0	721.5	706.9	674.1	692.3	692.3	692.3	722.4	731.5
7.5°	980.2	919.1	849.9	791.6	735.1	694.1	722.4	742.4	754.3	793.4	811.7
10°	1047.6	987.5	925.5	842.6	798.9	783.4	750.6	733.3	754.3	746.1	756.1
12.5°	1191.5	1136.9	1030.3	944.7	911.9	859.0	762.5	695.1	650.4	643.1	641.3
15°	1331.8	1298.1	1155.1	1040.3	926.4	804.4	639.5	550.2	502.8	494.6	495.6
17.5°	1509.4	1461.2	1250.7	1085.9	892.7	673.2	493.7	417.2	413.6	433.6	435.4
20°	1627.9	1548.6	1299.0	1048.5	781.6	509.2	386.2	368.0	397.2	433.6	430.0
22.5°	1740.8	1655.2	1362.8	1015.7	605.8	386.2	355.3	357.1	381.7	420.9	430.9
25°	1815.5	1784.6	1441.1	939.2	461.9	334.3	339.8	353.4	374.4	411.8	411.8
27.5°	2040.5	1895.7	1432.0	790.7	355.3	311.5	324.3	341.6	352.5	397.2	401.7
30°	2177.2	2129.8	1479.4	639.5	311.5	282.4	307.0	322.5	329.8	380.8	382.6
32.5°	2344.8	2240.0	1536.8	471.9	289.7	280.6	275.1	286.9	307.9	352.5	355.3
35°	2548.8	2517.9	1454.8	370.8	282.4	262.4	251.4	257.8	271.5	301.5	307.9
37.5°	2965.1	2781.1	1405.6	317.9	282.4	256.0	244.1	227.7	229.6	250.5	262.4
40°	3315.9	3259.4	1268.0	308.8	269.6	246.9	217.7	197.7	184.0	190.4	194.9
42.5°	3959.9	3698.5	1090.4	304.3	257.8	223.2	184.9	164.0	143.0	144.8	152.1
45°	4741.5	4177.6	931.9	299.7	249.6	199.5	155.8	131.2	109.3	110.2	117.5
47.5°	5785.5	4876.3	739.7	286.0	235.0	177.6	125.7	100.2	87.5	90.2	96.6
50°	6971.5	5489.4	584.8	265.1	217.7	156.7	102.0	81.1	76.5	79.3	86.5
52.5°	8030.9	5941.2	482.8	246.0	193.1	127.5	85.6	72.0	70.1	72.0	77.4
55°	8972.9	6203.6	403.6	224.1	165.8	102.9	77.4	66.5	65.6	64.7	68.3
57.5°	9856.5	6279.2	315.2	189.5	134.8	89.3	72.0	61.9	60.1	57.4	60.1
60°	10500.5	6149.8	231.4	152.1	110.2	81.1	67.4	55.6	52.8	48.3	50.1
62.5°	10811.2	5795.5	174.9	122.1	93.8	73.8	60.1	48.3	44.6	39.2	40.1
65°	10516.0	5211.6	137.6	102.9	80.2	61.9	51.0	41.0	36.4	31.0	31.0
67.5°	9208.8	4323.4	116.6	89.3	67.4	52.8	41.9	37.3	30.1	25.5	24.6
70°	6759.3	3110.0	100.2	78.3	58.3	45.5	35.5	33.7	29.2	24.6	22.8
72.5°	3815.1	1760.0	85.6	69.2	49.2	38.3	30.1	31.0	28.2	22.8	21.0
75°	1455.7	593.0	71.1	57.4	40.1	29.2	25.5	25.5	25.5	19.1	16.4
77.5°	360.7	151.2	56.5	46.5	31.9	19.1	21.0	21.9	21.9	16.4	11.8
80°	99.3	51.0	33.7	33.7	22.8	10.9	14.6	14.6	11.8	5.5	0.0
82.5°	36.4	19.1	11.8	14.6	10.0	3.6	5.5	3.6	2.7	0.0	0.0
85°	15.5	10.0	7.3	8.2	4.6	0.0	0.9	1.8	0.0	0.0	0.0
87.5°	6.4	4.6	3.6	3.6	1.8	0.0	0.0	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)