

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P367389

Luminaire Tested: **PMM-SA2B-830-U-T4W-HSS**

Issue Date: 12/2/2019

Report Generated By 670245982

Test Information

Test Method: LM-79-08
Report Number: P367389
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-SA2B-830-U-T4W-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) 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: 5967 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

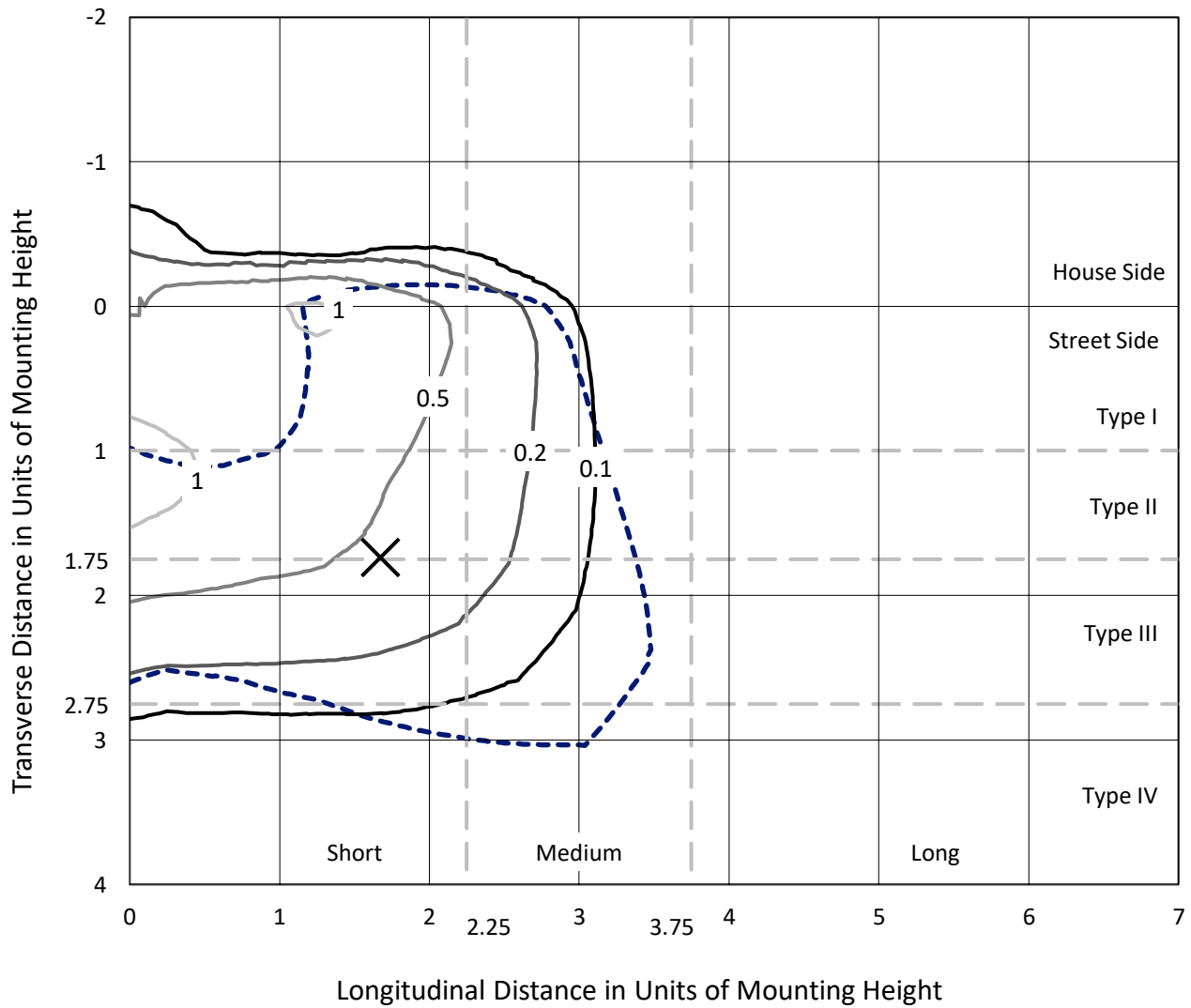
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

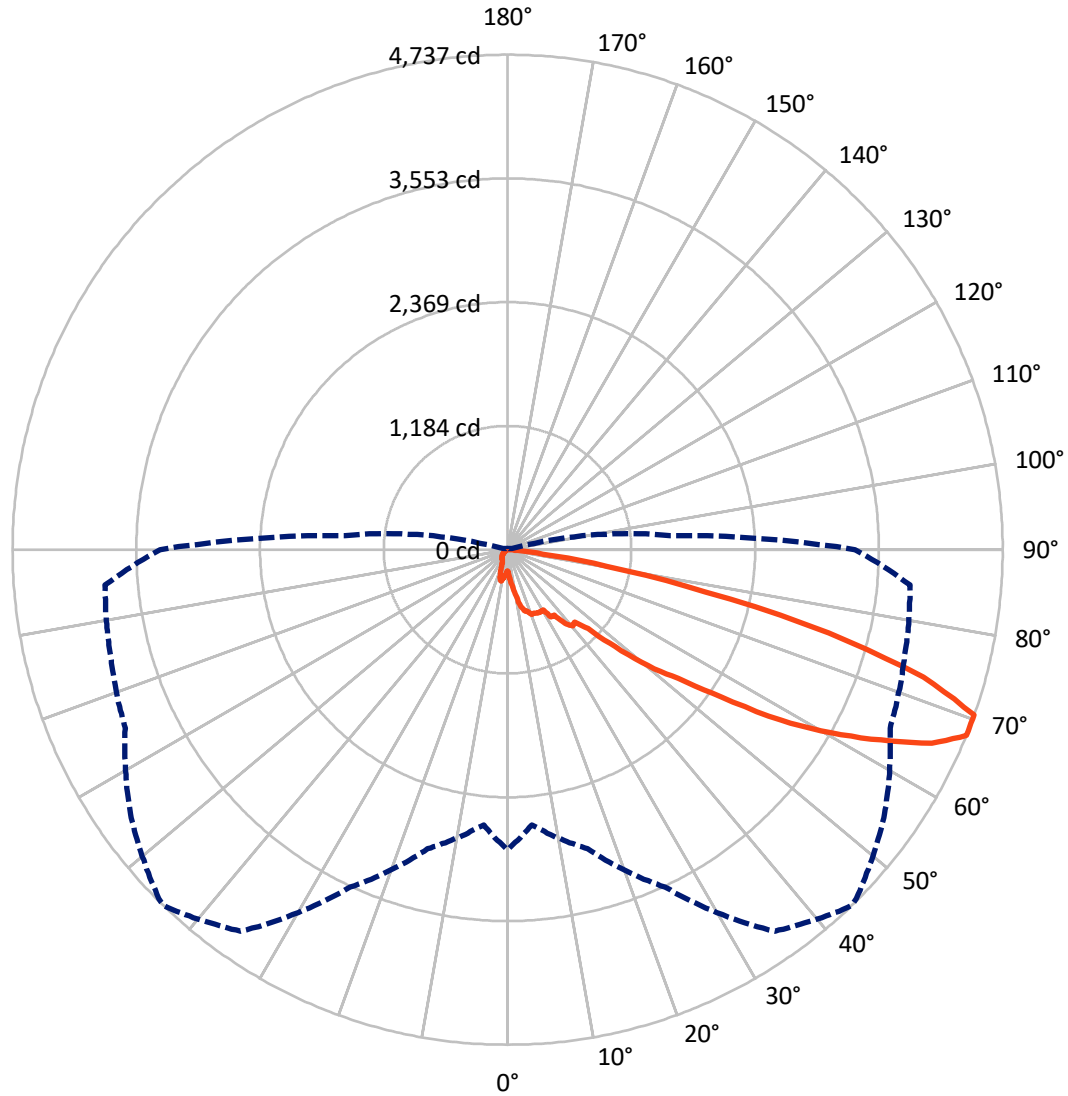
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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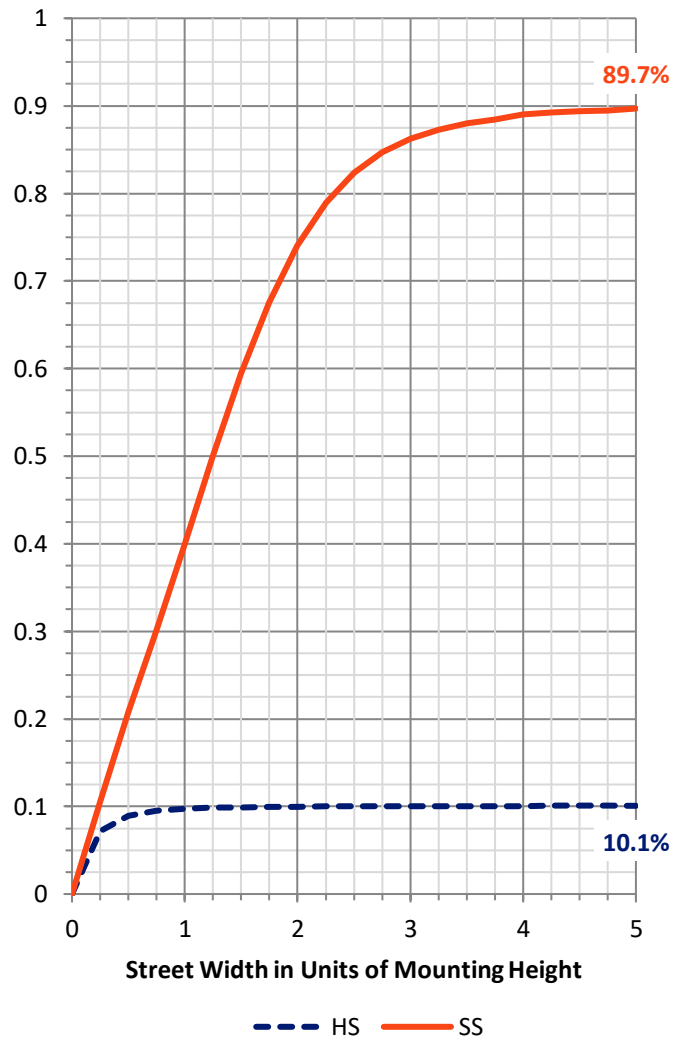
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	606.1	0.0	606.1
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	5360.9	0.0	5360.9
	% Fixture	89.8	0.0	89.8
Total	Lumens	5967.0	0.0	5967.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	0.5
10°-20°	124.7	2.1
20°-30°	221.0	3.7
30°-40°	359.2	6.0
40°-50°	718.8	12.0
50°-60°	1474.6	24.7
60°-70°	2025.7	33.9
70°-80°	952.1	16.0
80°-90°	61.0	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°	5967.0	100.0
0°-180°	5967.0	100.0

Coefficient of Utilization

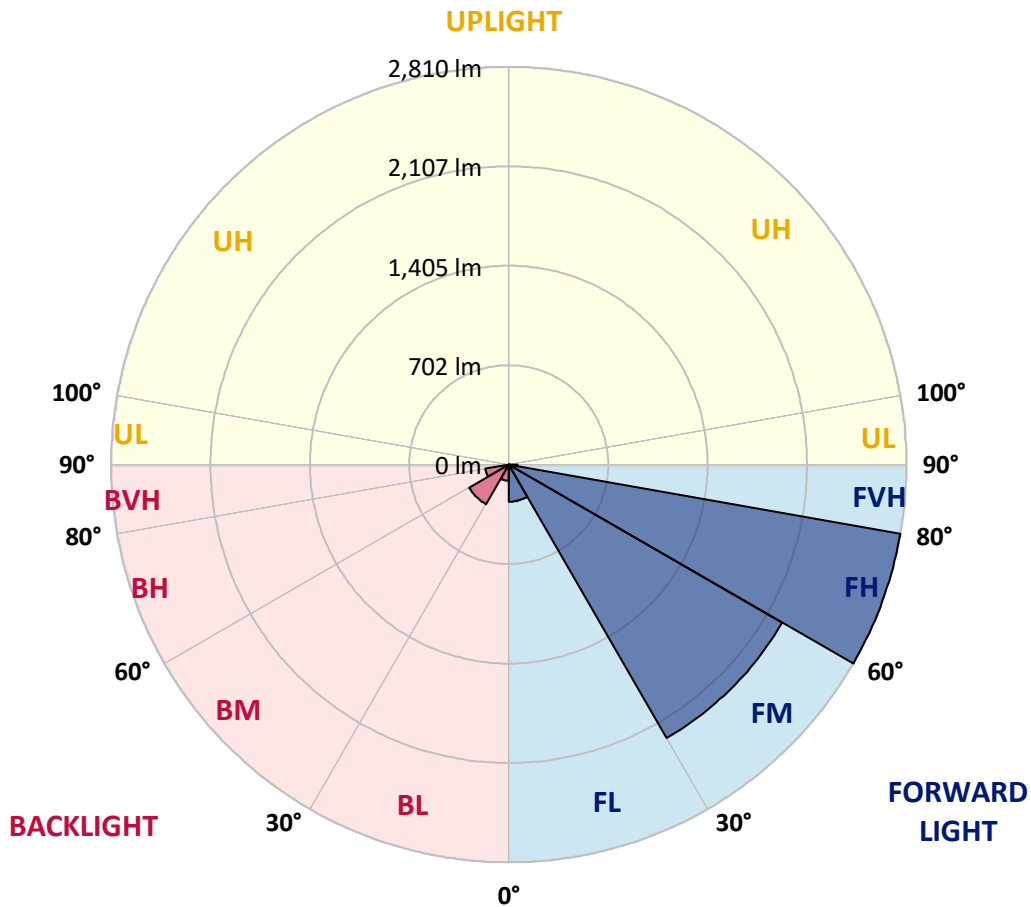


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.7	4.4			
FM (30°-60°)	2229.8	37.4			
FH (60°-80°)	2809.6	47.1			G2/5000
FVH (80°-90°)	59.7	1.0			G1/100
BL (0°-30°)	113.8	1.9	B1/500		
BM (30°-60°)	322.9	5.4	B1/1000		
BH (60°-80°)	168.2	2.8	B1/500		G1/500
BVH (80°-90°)	1.2	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0
2.5°	255.7	247.4	235.6	238.2	239.5	243.2	243.5	238.9	225.7	222.1	238.2
5°	358.3	338.2	334.6	327.1	311.9	303.7	301.7	310.0	299.4	296.1	300.4
7.5°	457.7	440.6	421.8	411.6	380.0	360.6	359.6	362.9	364.9	353.4	359.3
10°	523.8	505.1	501.1	477.1	449.8	445.2	443.2	430.7	420.5	412.0	383.3
12.5°	583.7	583.4	590.6	556.1	551.8	556.4	554.8	510.0	499.8	463.9	455.7
15°	663.3	683.1	651.8	622.9	586.0	601.8	597.5	568.9	562.0	537.6	502.4
17.5°	745.9	751.2	698.9	654.4	644.9	624.2	628.5	618.3	583.4	602.8	567.9
20°	747.9	759.4	703.5	630.1	659.4	658.4	658.7	648.9	602.8	648.2	616.3
22.5°	775.5	747.2	695.2	648.5	653.8	658.7	664.0	651.8	641.9	653.1	659.1
25°	764.3	753.2	703.1	672.2	667.3	671.2	672.5	688.0	681.8	708.7	693.9
27.5°	793.3	777.2	687.7	693.3	675.8	671.2	663.3	715.0	733.4	712.0	751.5
30°	843.0	840.7	714.3	722.6	709.1	668.6	689.7	757.1	780.1	767.0	815.0
32.5°	920.6	928.5	792.3	739.0	745.9	764.0	756.1	757.1	815.3	844.6	882.8
35°	1030.9	1026.6	868.3	801.5	765.3	768.3	779.5	833.1	908.5	906.5	947.0
37.5°	1247.4	1200.6	1002.9	865.4	876.2	891.0	882.8	954.9	962.1	964.7	1061.5
40°	1566.5	1504.3	1215.1	999.9	895.3	960.8	956.8	974.6	1023.0	1041.1	1182.2
42.5°	1987.0	1903.5	1588.6	1247.4	987.4	942.4	966.7	1000.3	1162.8	1214.5	1369.1
45°	2451.6	2282.5	1961.0	1600.1	1218.4	1078.6	1097.0	1159.5	1384.9	1470.5	1641.2
47.5°	2752.7	2604.0	2329.9	1912.7	1459.3	1385.9	1387.5	1401.0	1645.8	1804.4	2033.4
50°	3014.3	2856.0	2601.7	2239.4	1885.4	1746.5	1714.9	1652.7	1978.2	2195.0	2449.0
52.5°	3383.5	3198.5	2873.5	2622.7	2371.4	2044.3	2033.1	2054.2	2370.0	2598.1	2875.1
55°	3716.4	3491.7	3181.4	3023.5	2925.4	2481.9	2491.4	2526.7	2873.1	2993.9	3254.1
57.5°	3863.5	3620.0	3460.5	3389.4	3337.1	3079.8	3047.5	3026.5	3269.9	3316.0	3651.3
60°	3959.9	3728.3	3655.9	3672.4	3830.9	3557.8	3528.6	3406.2	3598.3	3636.2	4007.3
62.5°	3899.1	3687.8	3703.3	3840.5	4192.6	4012.9	3928.3	3723.7	3866.8	3897.4	4263.0
65°	3515.7	3295.6	3494.3	3826.3	4468.3	4464.0	4424.9	4016.9	4015.5	4054.7	4282.7
67.5°	2871.8	2640.8	2962.3	3561.1	4456.8	4737.4	4719.0	4405.8	4036.9	3932.3	3864.8
70°	1996.6	1796.2	2160.8	2940.9	4059.6	4735.5	4705.8	4667.0	3867.8	3384.8	2996.5
72.5°	1037.4	927.2	1266.8	2026.5	3236.1	4160.6	4258.4	4194.5	3302.5	2459.2	1764.6
75°	352.4	316.2	522.5	1075.6	2151.2	3177.2	3291.7	3226.8	2243.0	1319.4	697.9
77.5°	136.5	127.0	187.2	436.6	1079.2	1936.0	2060.4	1994.3	1202.9	483.4	164.2
80°	77.7	75.0	103.3	196.8	475.8	963.1	1050.6	952.9	433.7	162.9	42.8
82.5°	32.9	33.9	57.6	106.3	239.2	339.9	379.0	345.8	181.6	111.5	15.8
85°	7.2	8.9	27.3	59.2	100.4	97.1	101.7	112.9	111.5	81.9	6.9
87.5°	0.0	0.0	8.6	16.1	24.0	15.8	12.5	22.0	34.2	32.9	3.0
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°	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0
2.5°	241.2	237.9	217.2	215.8	217.2	213.5	213.2	205.6	206.3	223.4	224.7
5°	300.4	284.0	266.2	260.6	255.3	243.5	250.1	250.1	250.1	260.9	264.2
7.5°	354.0	332.0	307.0	285.9	265.5	250.7	260.9	268.2	272.4	286.6	293.2
10°	378.4	356.7	334.3	304.4	288.6	283.0	271.1	264.9	272.4	269.5	273.1
12.5°	430.4	410.6	372.1	341.2	329.4	310.3	275.4	251.1	234.9	232.3	231.6
15°	481.0	468.9	417.2	375.8	334.6	290.5	231.0	198.7	181.6	178.7	179.0
17.5°	545.2	527.8	451.8	392.2	322.5	243.2	178.3	150.7	149.4	156.6	157.3
20°	588.0	559.4	469.2	378.7	282.3	183.9	139.5	132.9	143.5	156.6	155.3
22.5°	628.8	597.9	492.2	366.9	218.8	139.5	128.3	129.0	137.9	152.0	155.6
25°	655.8	644.6	520.5	339.2	166.8	120.8	122.7	127.7	135.2	148.7	148.7
27.5°	737.0	684.7	517.2	285.6	128.3	112.5	117.1	123.4	127.3	143.5	145.1
30°	786.4	769.3	534.4	231.0	112.5	102.0	110.9	116.5	119.1	137.5	138.2
32.5°	846.9	809.1	555.1	170.4	104.6	101.3	99.4	103.6	111.2	127.3	128.3
35°	920.6	909.5	525.5	133.9	102.0	94.8	90.8	93.1	98.1	108.9	111.2
37.5°	1071.0	1004.5	507.7	114.8	102.0	92.5	88.2	82.3	82.9	90.5	94.8
40°	1197.7	1177.3	458.0	111.5	97.4	89.2	78.6	71.4	66.5	68.8	70.4
42.5°	1430.3	1335.9	393.9	109.9	93.1	80.6	66.8	59.2	51.7	52.3	54.9
45°	1712.6	1509.0	336.6	108.3	90.2	72.1	56.3	47.4	39.5	39.8	42.4
47.5°	2089.7	1761.3	267.2	103.3	84.9	64.2	45.4	36.2	31.6	32.6	34.9
50°	2518.1	1982.8	211.2	95.7	78.6	56.6	36.9	29.3	27.6	28.6	31.3
52.5°	2900.8	2146.0	174.4	88.8	69.8	46.1	30.9	26.0	25.3	26.0	28.0
55°	3241.0	2240.7	145.8	80.9	59.9	37.2	28.0	24.0	23.7	23.4	24.7
57.5°	3560.2	2268.0	113.8	68.4	48.7	32.2	26.0	22.4	21.7	20.7	21.7
60°	3792.8	2221.3	83.6	54.9	39.8	29.3	24.3	20.1	19.1	17.4	18.1
62.5°	3905.0	2093.3	63.2	44.1	33.9	26.7	21.7	17.4	16.1	14.1	14.5
65°	3798.4	1882.4	49.7	37.2	29.0	22.4	18.4	14.8	13.2	11.2	11.2
67.5°	3326.2	1561.6	42.1	32.2	24.3	19.1	15.1	13.5	10.9	9.2	8.9
70°	2441.4	1123.3	36.2	28.3	21.1	16.5	12.8	12.2	10.5	8.9	8.2
72.5°	1378.0	635.7	30.9	25.0	17.8	13.8	10.9	11.2	10.2	8.2	7.6
75°	525.8	214.2	25.7	20.7	14.5	10.5	9.2	9.2	9.2	6.9	5.9
77.5°	130.3	54.6	20.4	16.8	11.5	6.9	7.6	7.9	7.9	5.9	4.3
80°	35.9	18.4	12.2	12.2	8.2	3.9	5.3	5.3	4.3	2.0	0.0
82.5°	13.2	6.9	4.3	5.3	3.6	1.3	2.0	1.3	1.0	0.0	0.0
85°	5.6	3.6	2.6	3.0	1.6	0.0	0.3	0.7	0.0	0.0	0.0
87.5°	2.3	1.6	1.3	1.3	0.7	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)