

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: P366715

Luminaire Tested: **PMM-SA1A-830-U-SL3-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P366715
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-19)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA1A-830-U-SL3-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2637 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

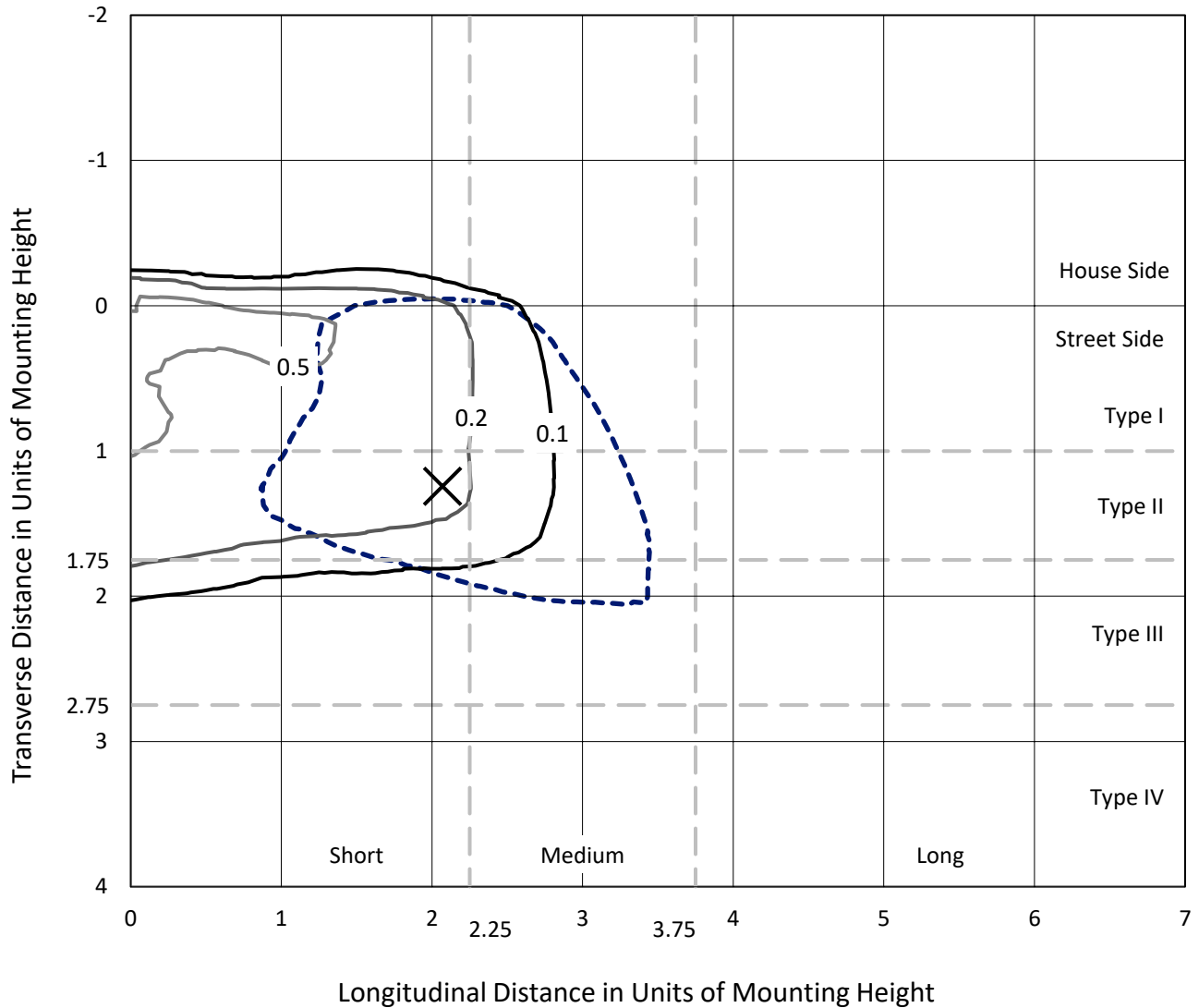
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

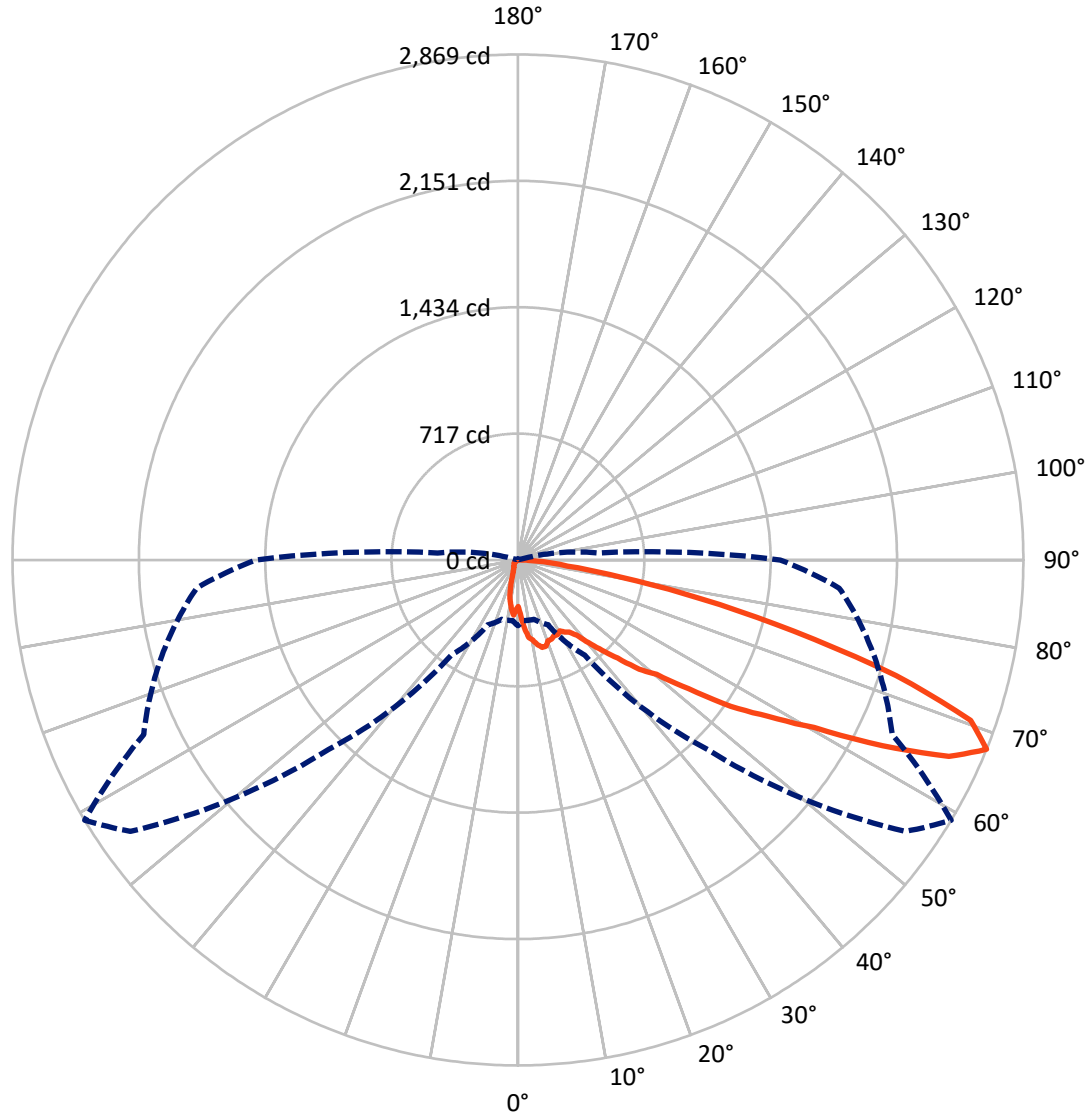
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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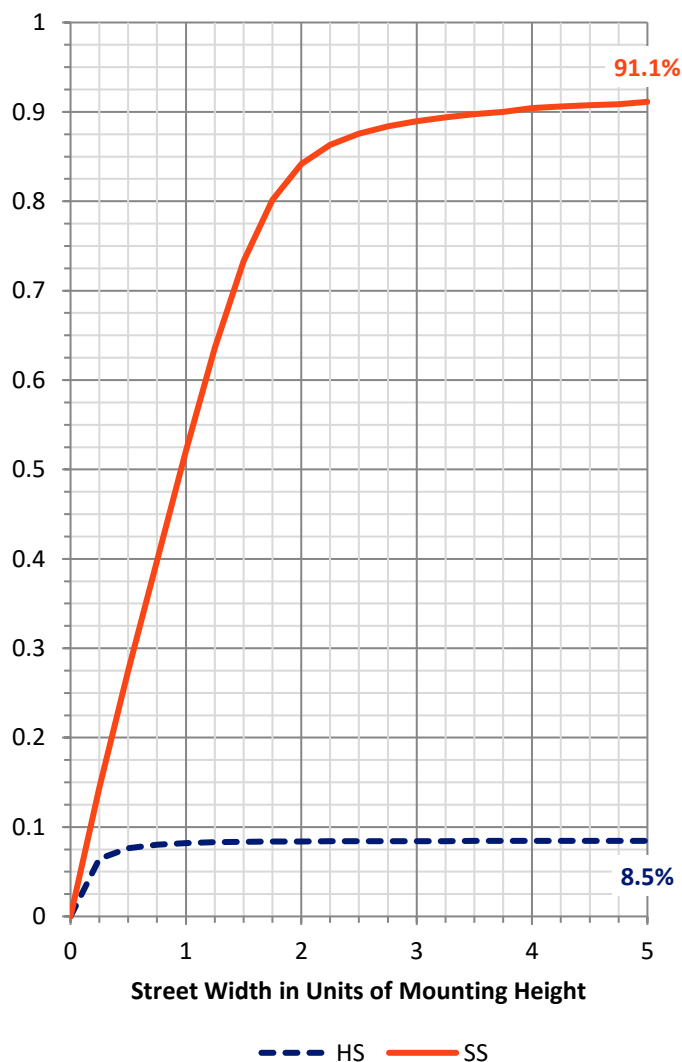
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	224.3	0.0	224.3
	% Fixture	8.5	0.0	8.5
Street Side	Lumens	2412.7	0.0	2412.7
	% Fixture	91.5	0.0	91.5
Total	Lumens	2637.0	0.0	2637.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.1	1.2
10°-20°	90.3	3.4
20°-30°	134.4	5.1
30°-40°	207.3	7.9
40°-50°	369.9	14.0
50°-60°	658.3	25.0
60°-70°	766.7	29.1
70°-80°	341.0	12.9
80°-90°	37.0	1.4
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°	2637.0	100.0
0°-180°	2637.0	100.0

Coefficient of Utilization

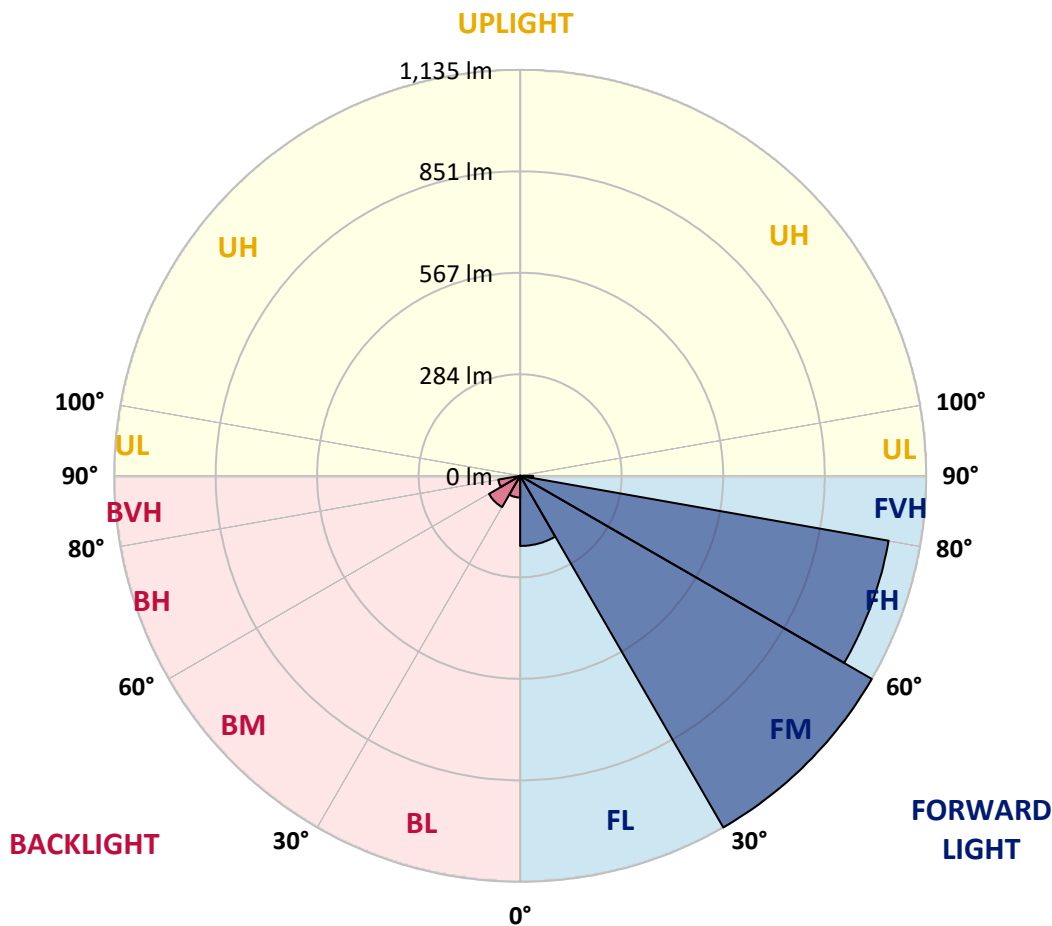


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	196.1	7.4			
FM (30°-60°)	1134.7	43.0			
FH (60°-80°)	1045.5	39.6			G1/1800
FVH (80°-90°)	36.4	1.4			G1/100
BL (0°-30°)	60.6	2.3	B0/110		
BM (30°-60°)	100.8	3.8	B0/220		
BH (60°-80°)	62.1	2.4	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8
2.5°	344.0	331.0	312.6	318.1	323.0	327.7	319.9	315.5	313.4	294.4	318.2
5°	422.3	406.2	397.8	395.6	390.3	378.4	398.2	389.4	392.3	396.0	403.8
7.5°	446.2	438.9	426.7	431.3	411.0	409.2	436.6	444.2	454.2	447.4	456.8
10°	433.9	421.3	427.0	425.4	424.6	442.5	461.7	462.1	477.1	484.3	452.6
12.5°	409.6	411.1	431.7	430.1	456.8	492.6	497.0	492.3	516.7	504.2	499.4
15°	425.8	437.8	426.5	430.3	439.8	484.6	500.2	514.6	537.7	545.2	512.7
17.5°	445.3	446.5	425.8	421.0	444.9	465.7	502.6	514.5	516.7	582.3	542.8
20°	434.7	445.0	420.3	390.0	427.1	455.4	492.8	489.1	504.3	593.2	549.6
22.5°	462.8	448.1	416.5	393.6	406.2	431.9	463.6	488.0	510.9	567.1	558.4
25°	465.5	460.1	431.9	411.6	409.5	416.1	460.1	475.9	511.7	590.6	550.9
27.5°	495.5	489.4	431.7	433.7	413.7	393.5	443.3	480.3	526.2	576.3	566.8
30°	534.2	534.8	460.4	466.7	438.1	405.6	457.0	467.2	536.1	599.1	578.6
32.5°	573.5	589.6	517.1	483.9	474.9	451.7	440.0	486.8	525.3	638.1	607.9
35°	633.2	644.1	563.9	534.1	499.0	472.5	486.4	503.2	564.1	689.8	646.5
37.5°	734.2	714.5	647.7	595.9	587.5	548.5	555.5	540.4	603.8	750.7	722.9
40°	791.1	773.2	703.8	678.6	624.9	630.9	609.0	617.8	661.3	814.1	792.5
42.5°	850.4	833.3	772.4	754.5	703.4	678.6	668.7	700.3	749.6	919.7	892.2
45°	910.0	866.6	840.8	849.7	826.8	777.6	766.2	794.3	846.0	1049.5	997.4
47.5°	960.2	923.6	904.2	900.1	891.1	959.4	912.6	925.0	947.9	1164.3	1128.5
50°	1050.7	1014.6	984.3	975.9	1019.4	1116.2	1044.1	1020.1	1065.8	1303.0	1280.5
52.5°	1181.4	1135.5	1087.3	1087.4	1169.5	1222.7	1256.8	1214.7	1223.2	1455.7	1445.6
55°	1286.5	1228.1	1188.2	1219.7	1342.2	1371.9	1502.4	1465.4	1454.3	1597.2	1584.9
57.5°	1300.9	1230.9	1212.0	1267.3	1434.8	1625.0	1765.3	1672.9	1655.9	1715.6	1740.1
60°	1166.3	1092.1	1106.4	1195.3	1465.0	1779.2	2006.7	1931.3	1823.5	1854.4	1871.2
62.5°	869.9	810.6	850.7	968.4	1348.7	1882.5	2286.2	2321.2	2017.9	1958.5	1954.9
65°	564.4	527.3	553.6	650.1	1020.6	1870.8	2535.9	2687.5	2171.1	2043.4	1981.2
67.5°	373.3	345.2	348.9	406.0	660.0	1521.5	2685.1	2868.5	2343.3	2091.6	1830.5
70°	278.3	256.1	257.4	288.4	391.8	1003.4	2477.0	2725.7	2406.2	1924.6	1477.4
72.5°	200.7	185.9	198.3	232.7	312.2	530.6	1846.2	2244.8	2098.2	1518.0	995.4
75°	139.0	129.2	149.5	194.7	284.9	329.4	1220.0	1615.9	1470.6	952.4	450.0
77.5°	77.0	74.1	103.3	158.6	258.6	270.0	747.3	1061.8	815.7	341.4	107.1
80°	33.6	32.6	50.1	119.1	217.4	243.9	420.7	588.7	320.9	60.9	34.6
82.5°	14.4	13.9	21.4	71.7	158.0	204.0	259.4	283.3	110.4	18.8	19.6
85°	2.5	2.8	8.5	37.8	96.1	103.6	187.9	167.7	55.5	8.9	14.0
87.5°	0.0	0.0	1.3	7.3	18.0	29.6	81.4	58.7	10.5	2.9	2.4
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°	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8
2.5°	321.5	314.0	285.6	282.0	278.1	272.4	270.2	258.0	256.4	272.1	272.1
5°	400.2	373.5	346.4	325.0	305.9	279.5	272.0	264.2	258.0	256.4	261.3
7.5°	441.7	409.1	366.5	312.2	268.1	229.8	213.8	202.6	190.0	193.7	195.7
10°	439.4	404.8	350.5	280.7	231.8	189.5	148.7	125.0	111.8	105.2	104.4
12.5°	461.7	429.1	339.7	255.6	193.2	134.7	93.6	76.6	66.9	67.0	66.2
15°	474.7	439.2	327.1	223.8	136.1	86.7	64.9	61.2	59.8	61.3	60.5
17.5°	497.5	449.7	298.7	176.4	93.6	65.4	59.7	58.2	60.0	63.0	62.2
20°	495.8	431.4	258.2	124.3	69.2	58.9	56.5	54.2	57.8	61.0	60.5
22.5°	494.2	413.5	220.2	91.7	57.8	53.7	51.7	50.7	52.6	56.3	57.1
25°	480.0	404.7	181.6	68.9	52.3	48.7	47.8	47.0	47.7	50.7	50.6
27.5°	497.4	382.4	140.2	57.8	48.5	44.2	43.4	42.1	40.7	43.4	43.8
30°	493.8	385.5	109.9	50.9	44.6	38.9	39.1	36.3	33.9	36.3	36.3
32.5°	506.9	363.0	88.0	46.2	40.7	36.6	33.2	30.3	28.6	30.0	30.3
35°	525.9	364.0	68.9	43.3	37.4	32.6	28.6	25.6	24.0	24.7	25.1
37.5°	589.9	357.6	57.5	41.0	36.2	30.2	26.0	22.2	21.1	21.9	22.3
40°	631.6	374.7	50.7	39.8	33.1	27.8	22.3	19.5	18.6	19.0	19.6
42.5°	710.1	384.1	47.4	38.5	30.3	23.8	19.1	17.5	16.2	16.7	17.2
45°	794.1	400.3	44.9	37.0	28.2	20.8	16.8	15.5	13.8	13.9	14.4
47.5°	897.3	438.8	41.9	34.4	25.2	19.0	15.0	13.0	11.3	11.2	11.9
50°	1035.9	490.2	39.3	31.2	23.4	17.4	13.1	10.5	9.2	8.8	9.3
52.5°	1183.8	556.7	36.5	29.0	21.1	15.2	11.2	8.5	7.3	7.1	7.5
55°	1330.4	620.5	33.8	27.5	18.7	13.1	9.5	7.1	6.0	5.7	6.0
57.5°	1497.5	689.5	30.3	24.6	16.4	11.3	7.9	5.9	4.9	4.7	4.8
60°	1623.2	713.8	27.4	21.4	14.3	10.0	6.7	4.7	4.0	3.7	3.9
62.5°	1682.9	674.2	24.6	18.6	12.6	8.7	5.6	3.9	3.3	3.1	3.1
65°	1667.4	586.3	21.8	15.9	10.8	7.2	4.4	3.3	2.9	2.5	2.4
67.5°	1488.5	458.8	18.6	13.4	9.1	5.9	3.7	3.2	2.7	2.4	2.0
70°	1180.5	332.2	15.1	11.1	7.6	4.8	2.9	2.9	2.5	2.4	1.9
72.5°	773.8	209.1	12.3	8.9	6.3	3.7	2.3	2.7	2.4	2.4	1.7
75°	335.3	74.8	9.9	7.2	5.2	2.5	2.0	2.4	2.5	2.4	2.0
77.5°	78.5	23.2	7.7	5.7	4.3	1.7	2.0	2.4	2.5	2.3	1.7
80°	29.5	9.9	5.1	3.7	3.3	1.1	1.7	1.5	1.3	0.9	0.3
82.5°	17.9	4.1	2.7	1.9	1.6	0.3	0.8	0.5	0.3	0.3	0.0
85°	12.7	2.0	1.5	1.3	0.8	0.0	0.1	0.0	0.0	0.1	0.0
87.5°	1.7	0.5	0.7	0.7	0.5	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)