

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: P414875

Luminaire Tested: **LXF.LXT-PA1-30-830-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-830-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS 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: 2588 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

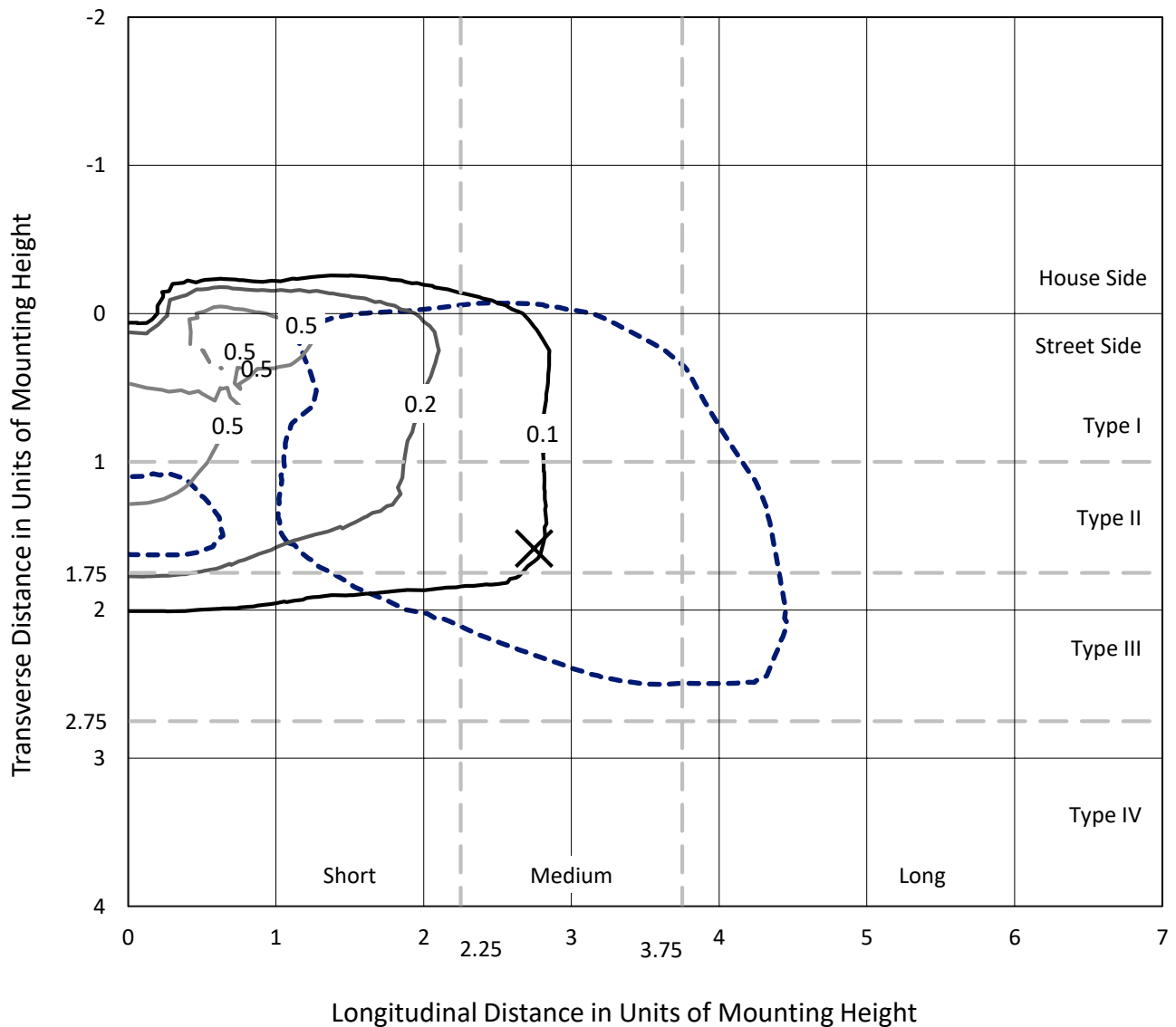
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

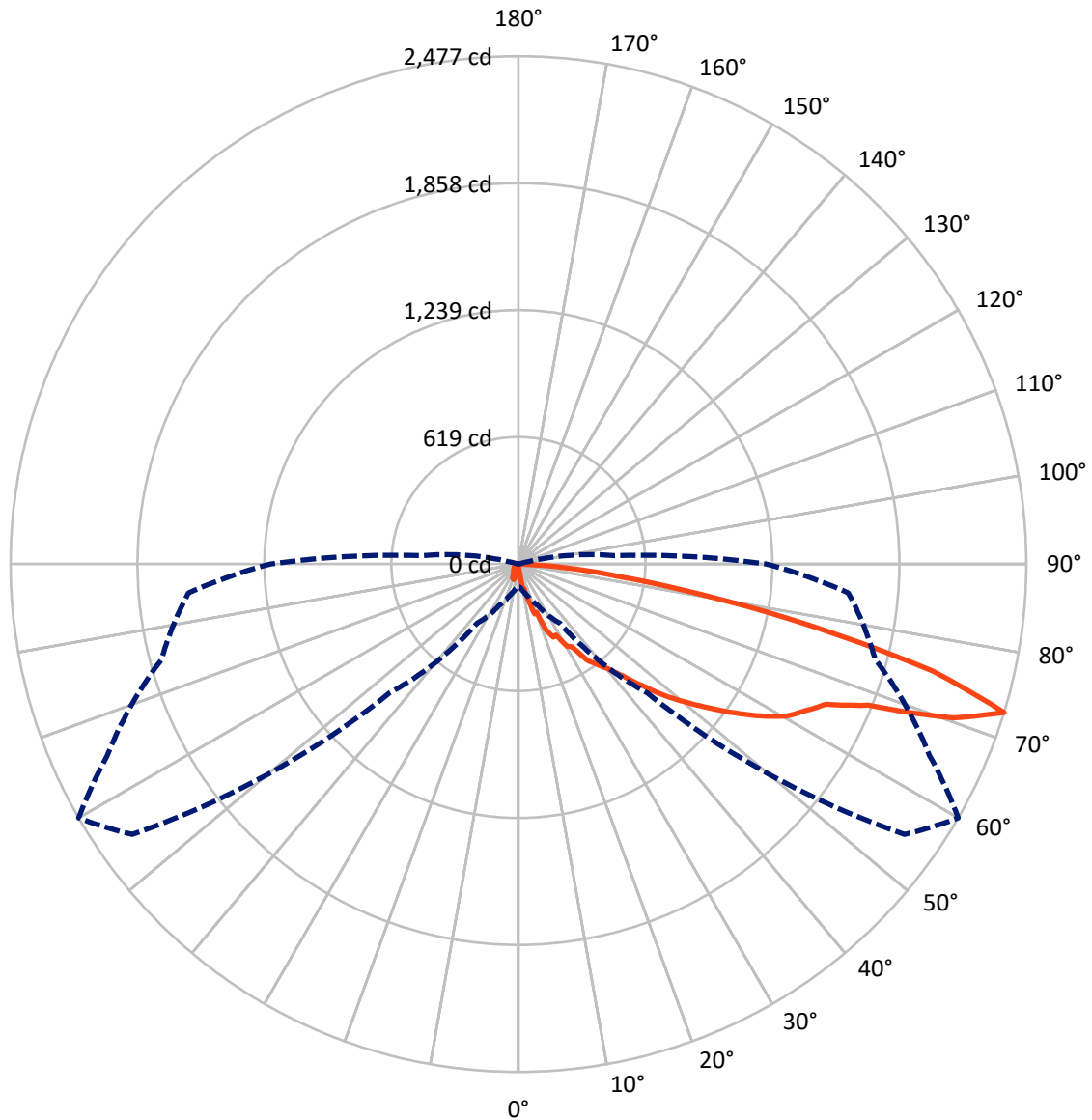
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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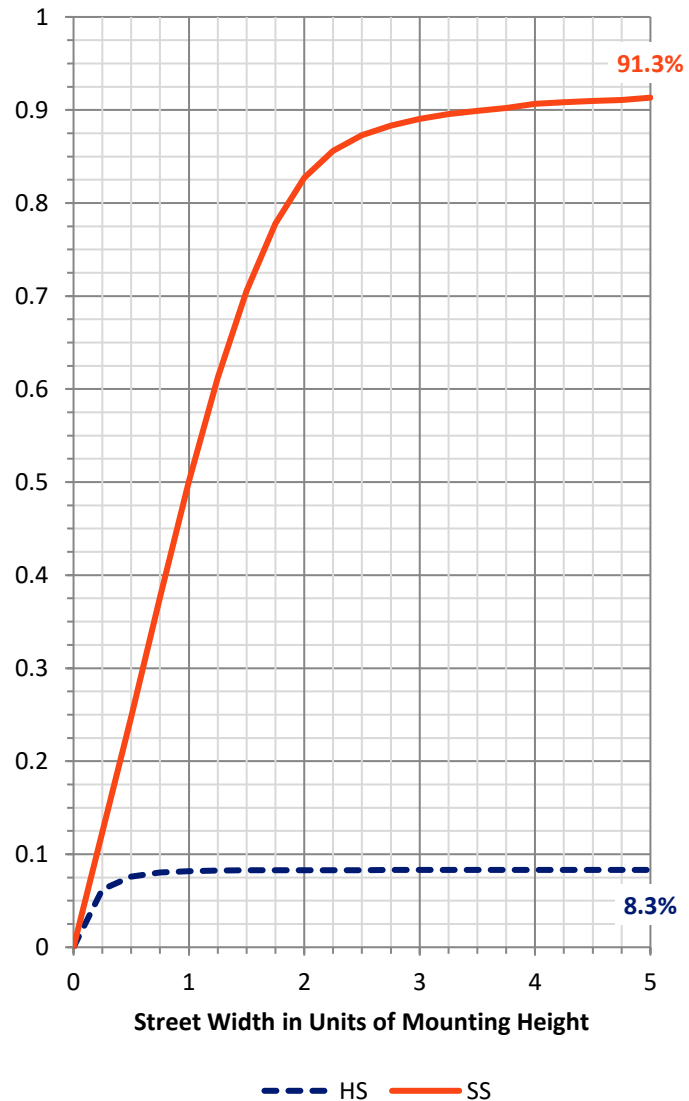
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	217.1	0.0	217.1
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	2370.9	0.0	2370.9
	% Fixture	91.6	0.0	91.6
Total	Lumens	2588.0	0.0	2588.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.1
10°-20°	36.1	1.4
20°-30°	112.7	4.4
30°-40°	243.0	9.4
40°-50°	413.2	16.0
50°-60°	610.9	23.6
60°-70°	664.5	25.7
70°-80°	452.8	17.5
80°-90°	51.4	2.0
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°	2588.0	100.0
0°-180°	2588.0	100.0



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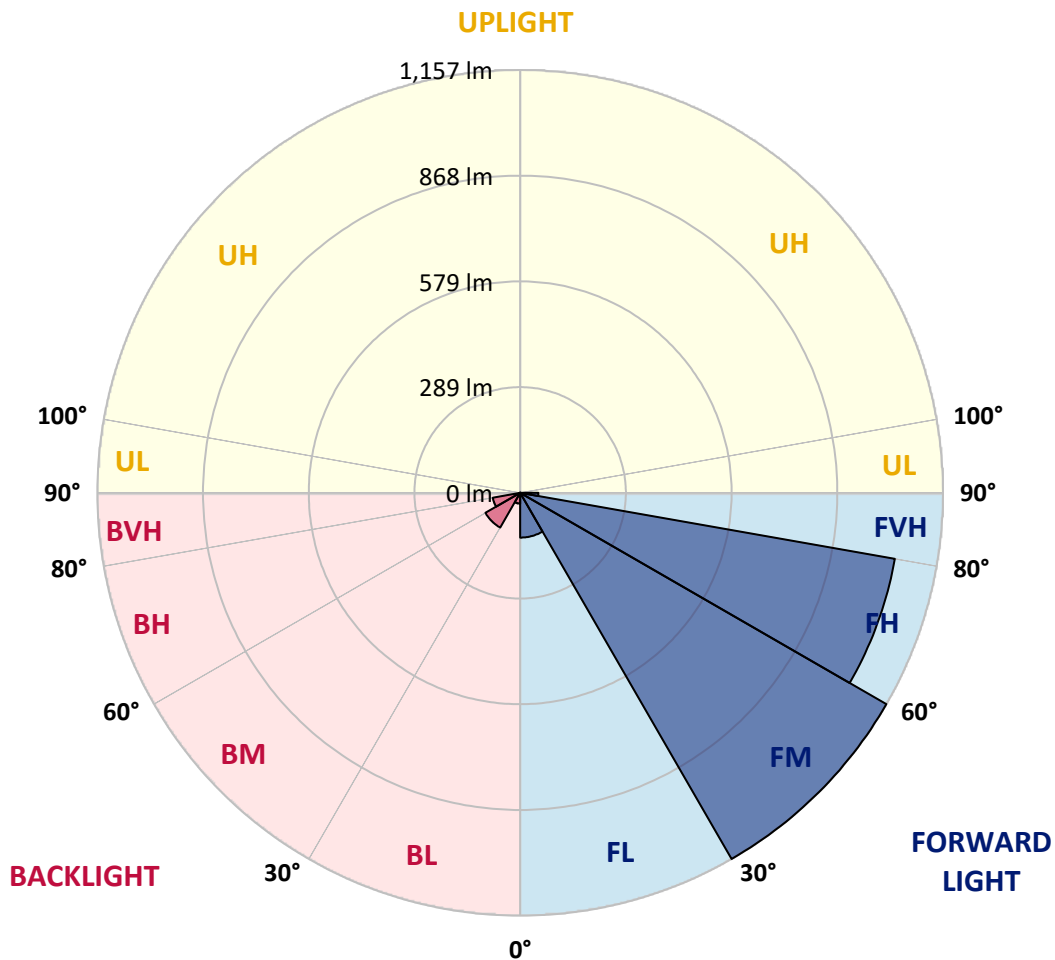
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	122.6	4.7			
FM	(30°-60°)	1157.3	44.7			
FH	(60°-80°)	1041.3	40.2			G1/1800
FVH	(80°-90°)	49.8	1.9			G1/100
BL	(0°-30°)	29.7	1.1	B0/110		
BM	(30°-60°)	109.8	4.2	B0/220		
BH	(60°-80°)	76.1	2.9	B0/110		G0/110
BVH	(80°-90°)	1.6	0.1			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	2.4	1.7	1.7	1.3	1.0	1.0	1.0	1.3	1.3	1.0	1.3
5°	132.4	130.7	130.7	131.4	85.3	14.4	8.1	3.4	1.3	1.3	1.3
7.5°	125.7	124.3	125.0	126.7	127.7	129.4	129.4	39.6	12.8	1.3	1.3
10°	128.7	127.7	122.3	121.3	123.3	125.0	125.7	128.7	125.0	3.7	1.3
12.5°	226.5	224.8	224.8	227.8	132.4	121.0	122.3	125.3	108.2	14.1	7.7
15°	216.7	215.4	215.7	219.4	224.4	159.3	125.7	186.1	238.9	215.7	171.4
17.5°	302.4	260.4	225.1	214.4	215.4	222.4	243.6	256.0	242.9	245.6	186.8
20°	308.8	306.4	305.1	307.4	220.4	293.3	309.8	251.3	244.6	263.1	344.7
22.5°	319.5	314.1	303.4	302.1	339.3	288.9	300.0	351.4	360.8	385.4	358.8
25°	432.8	428.7	417.6	317.8	348.1	332.0	378.3	395.5	389.7	405.9	389.1
27.5°	475.4	467.7	443.8	412.6	369.6	391.4	382.7	392.1	430.4	559.1	548.7
30°	666.3	645.8	579.9	475.1	439.5	407.6	445.2	465.0	497.3	572.2	562.4
32.5°	724.1	702.2	654.5	604.8	520.8	462.0	489.9	481.1	504.3	698.2	738.5
35°	892.4	882.3	796.3	658.2	636.7	545.0	514.4	574.5	608.8	707.9	776.1
37.5°	894.4	895.1	890.0	796.6	698.2	612.5	618.2	620.6	647.1	754.3	819.8
40°	923.0	927.7	940.1	869.5	786.5	710.3	695.2	671.6	695.2	806.4	879.6
42.5°	982.8	986.1	1013.7	940.1	856.4	786.5	794.3	746.2	763.4	904.8	960.9
45°	1087.9	1085.9	1120.5	1014.3	921.6	873.6	882.3	845.3	834.9	985.4	1056.3
47.5°	1206.9	1214.3	1212.9	1096.3	986.5	954.5	979.7	959.9	918.9	1088.3	1167.6
50°	1319.4	1317.1	1282.1	1142.7	1044.2	1033.8	1092.0	1059.4	1022.1	1192.8	1274.7
52.5°	1360.4	1362.4	1320.8	1170.6	1093.6	1112.5	1199.5	1166.5	1118.2	1267.3	1381.2
55°	1353.0	1355.7	1332.2	1199.1	1130.6	1186.0	1311.0	1282.8	1228.4	1348.3	1461.2
57.5°	1283.8	1283.8	1303.0	1216.9	1166.5	1251.9	1410.5	1399.0	1331.9	1415.5	1508.9
60°	1107.1	1125.9	1186.0	1195.4	1208.9	1323.1	1508.9	1505.2	1423.6	1478.3	1537.1
62.5°	851.4	857.4	990.5	1091.3	1212.2	1418.9	1591.9	1574.1	1491.4	1497.5	1557.0
65°	482.8	510.4	633.3	888.0	1143.4	1519.0	1725.3	1649.0	1550.9	1520.3	1629.9
67.5°	260.1	270.1	338.7	537.6	937.1	1530.1	2027.7	1839.2	1692.0	1640.6	1772.7
70°	168.0	178.7	215.7	295.3	587.6	1353.0	2312.3	2248.8	1983.3	1805.3	1794.5
72.5°	109.2	115.6	155.6	222.4	353.5	891.4	2299.2	2477.2	2213.5	1802.2	1615.4
75°	44.4	48.7	77.9	185.1	298.7	436.8	1763.9	2088.8	2078.1	1601.6	1250.2
77.5°	22.2	23.5	34.6	100.1	265.1	302.4	1116.1	1473.3	1479.3	1167.6	695.2
80°	14.4	14.1	19.8	47.0	180.8	275.2	624.3	905.1	846.4	442.8	194.9
82.5°	5.7	6.0	10.8	26.9	75.6	249.0	356.1	487.2	381.0	86.3	56.1
85°	1.0	1.0	3.4	14.4	23.9	113.9	229.8	235.9	156.6	27.2	28.2
87.5°	0.3	0.3	0.7	1.0	1.7	2.7	10.1	4.7	3.0	4.7	5.4
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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	1.3	1.3	1.3	1.0	1.0	0.7	0.0	0.0	0.3	0.3	0.3
5°	1.3	1.3	1.3	1.0	1.0	0.3	0.0	0.0	0.3	0.3	0.3
7.5°	1.3	1.3	1.3	1.0	0.7	0.3	0.0	0.0	0.3	0.3	0.3
10°	1.3	1.3	1.3	1.0	0.7	0.3	9.7	62.2	64.2	64.5	63.8
12.5°	8.4	8.7	4.7	1.0	0.7	57.8	57.5	48.0	42.0	39.6	36.6
15°	182.4	173.4	143.5	84.7	46.7	47.4	34.9	25.9	20.8	19.5	18.8
17.5°	180.8	167.7	132.0	77.3	81.3	35.6	18.8	20.8	27.2	27.6	27.6
20°	339.7	298.0	129.0	86.3	54.8	30.9	24.5	25.9	25.9	26.2	25.9
22.5°	354.1	312.5	193.2	110.2	39.3	32.6	27.9	24.2	24.9	32.3	31.2
25°	357.2	306.4	179.1	86.3	38.0	32.6	30.6	29.6	33.3	33.3	33.6
27.5°	514.7	430.7	217.0	64.8	37.6	33.9	33.9	30.9	29.9	29.6	29.9
30°	513.7	416.0	185.1	54.8	36.3	33.6	30.6	27.6	33.3	33.6	33.6
32.5°	674.3	531.9	179.1	44.4	36.3	30.9	26.9	28.6	26.5	26.5	26.5
35°	683.7	518.4	141.1	46.0	32.3	28.2	26.2	22.2	23.5	23.9	23.2
37.5°	701.9	509.0	107.2	41.7	32.3	26.2	21.5	19.8	18.5	18.1	18.1
40°	734.5	509.7	82.7	38.3	30.2	23.9	19.2	16.1	16.8	16.8	16.5
42.5°	783.2	519.4	64.8	35.3	27.2	21.2	16.1	14.4	13.4	13.4	13.1
45°	847.7	540.3	53.1	32.9	24.9	18.1	13.1	11.8	10.8	10.8	10.4
47.5°	927.7	569.5	46.4	30.6	22.2	15.1	10.8	9.4	8.7	8.4	8.4
50°	1013.0	604.4	42.7	28.6	19.2	12.1	8.7	7.4	6.7	6.7	6.4
52.5°	1101.4	644.4	39.6	27.2	16.5	10.1	6.7	5.4	5.0	4.7	5.0
55°	1172.9	668.6	37.6	26.9	13.8	8.1	5.0	4.0	3.7	3.4	3.4
57.5°	1220.0	681.7	34.9	24.9	11.1	6.0	3.7	2.7	2.4	2.4	2.4
60°	1256.9	689.1	31.6	19.8	8.7	4.4	2.4	1.7	1.7	1.7	1.7
62.5°	1286.2	694.1	26.5	15.5	6.7	3.0	1.7	1.0	1.0	1.0	1.0
65°	1372.8	723.7	20.5	11.8	5.0	2.0	1.0	0.7	0.3	0.7	0.7
67.5°	1478.3	736.1	15.1	8.4	3.7	1.3	0.7	0.3	0.3	0.3	0.7
70°	1436.7	641.4	11.1	6.0	2.7	1.0	0.7	0.3	0.3	0.3	0.7
72.5°	1207.2	468.7	8.1	4.4	2.0	1.0	0.7	0.3	0.3	0.7	0.7
75°	868.2	264.4	6.4	3.0	1.7	1.0	0.7	0.7	0.7	1.0	1.0
77.5°	408.6	98.4	6.4	2.7	1.7	1.0	0.7	0.7	1.0	1.3	0.7
80°	99.1	24.5	6.4	2.4	1.7	1.0	1.0	1.0	1.3	1.3	0.7
82.5°	33.3	10.4	4.7	2.0	1.7	1.0	1.0	1.3	1.3	1.7	1.0
85°	20.2	6.7	3.4	2.4	2.0	1.0	1.3	1.3	1.7	2.0	1.0
87.5°	3.4	2.7	2.4	2.4	2.0	1.3	1.3	1.7	1.7	2.0	1.3
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)