

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: P417062

Luminaire Tested: **LXF.LXT-PA1-90-727-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-727-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8293 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G3

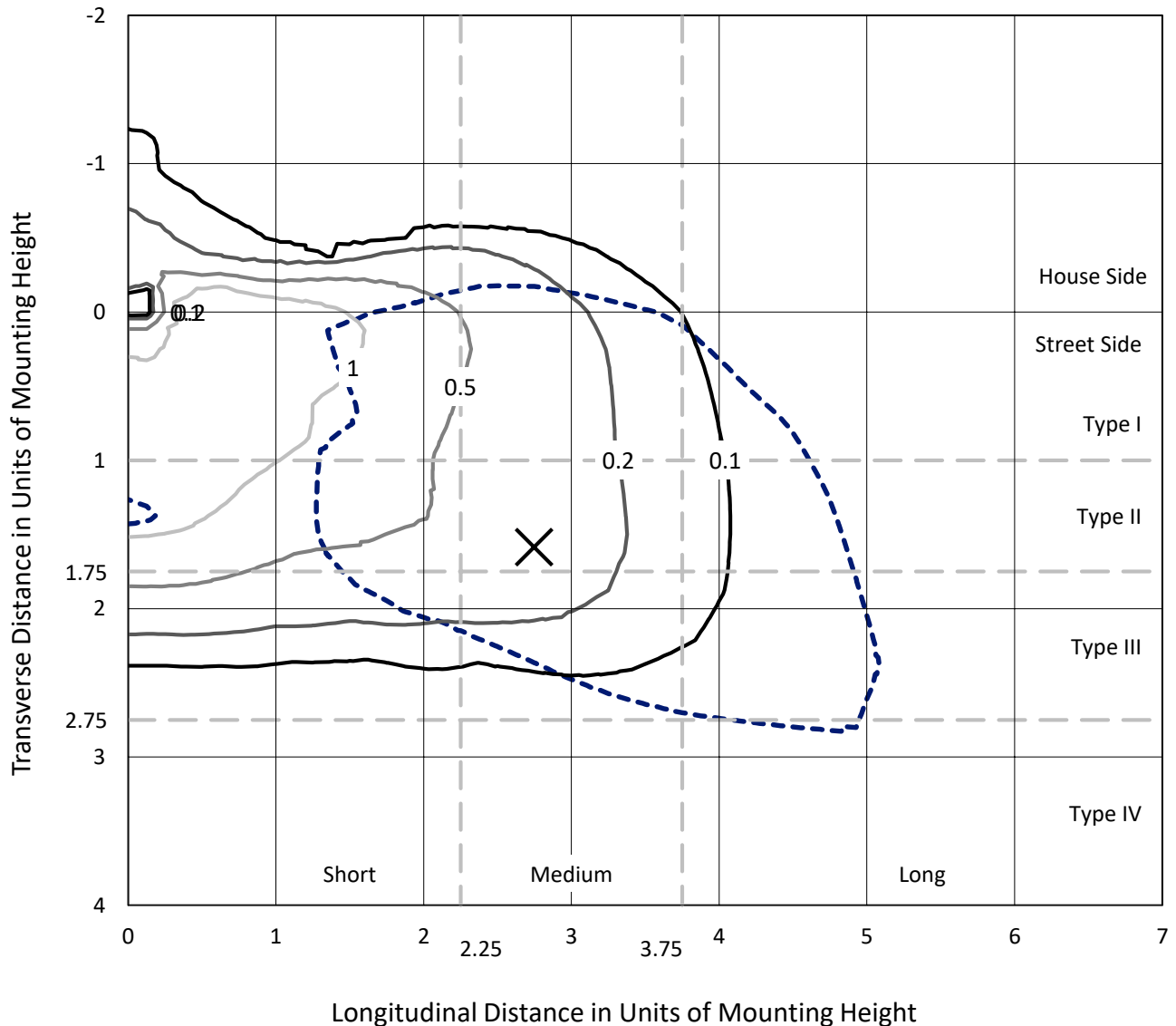
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

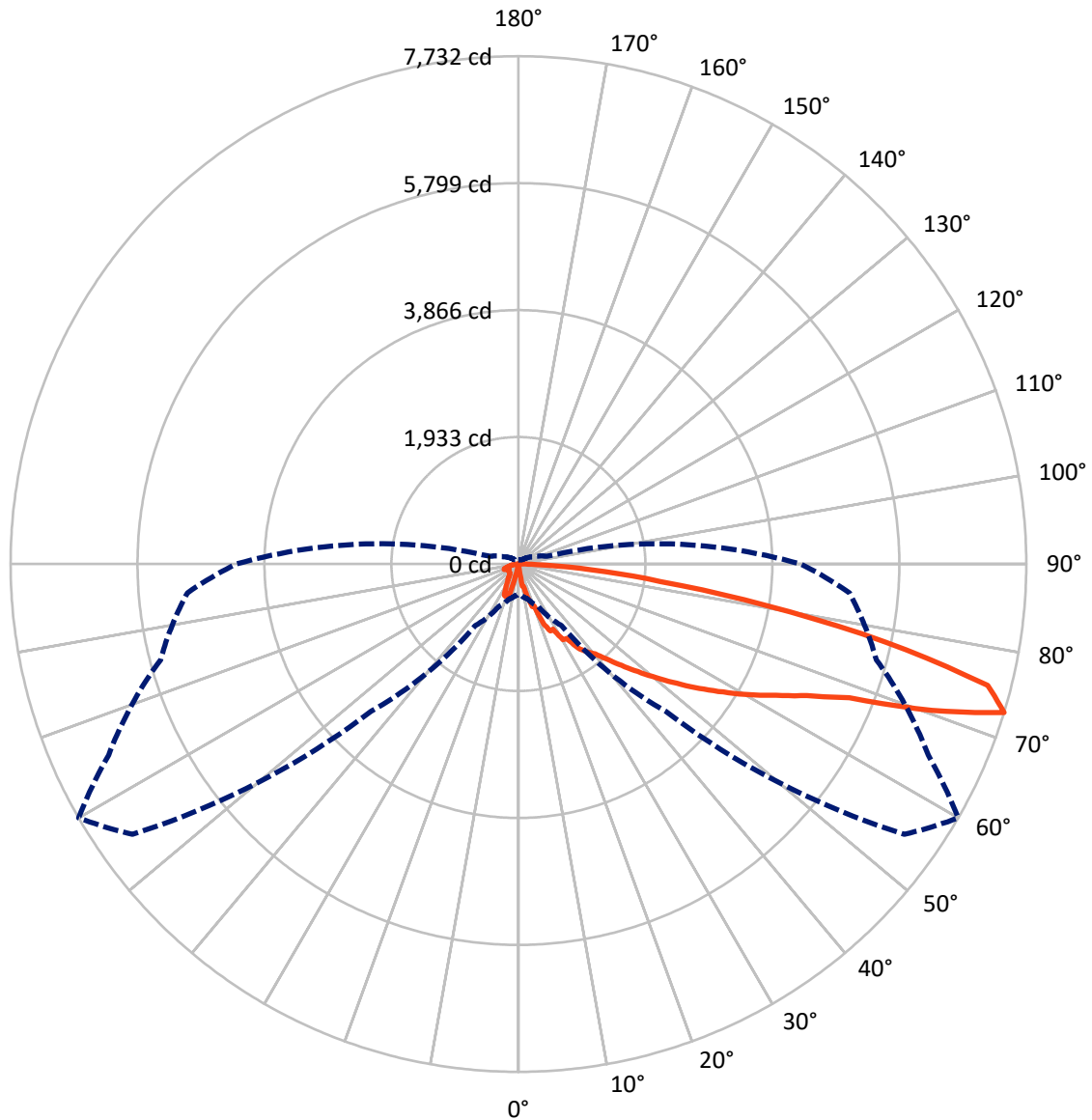


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Medium - Non-Cutoff

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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	1194.3	0.0	1194.3
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	7098.7	0.0	7098.7
	% Fixture	85.6	0.0	85.6
Total	Lumens	8293.0	0.0	8293.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	0.1
10°-20°	120.9	1.5
20°-30°	364.1	4.4
30°-40°	720.1	8.7
40°-50°	1192.8	14.4
50°-60°	1781.8	21.5
60°-70°	2119.7	25.6
70°-80°	1696.9	20.5
80°-90°	288.0	3.5
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°	8293.0	100.0
0°-180°	8293.0	100.0

Coefficient of Utilization



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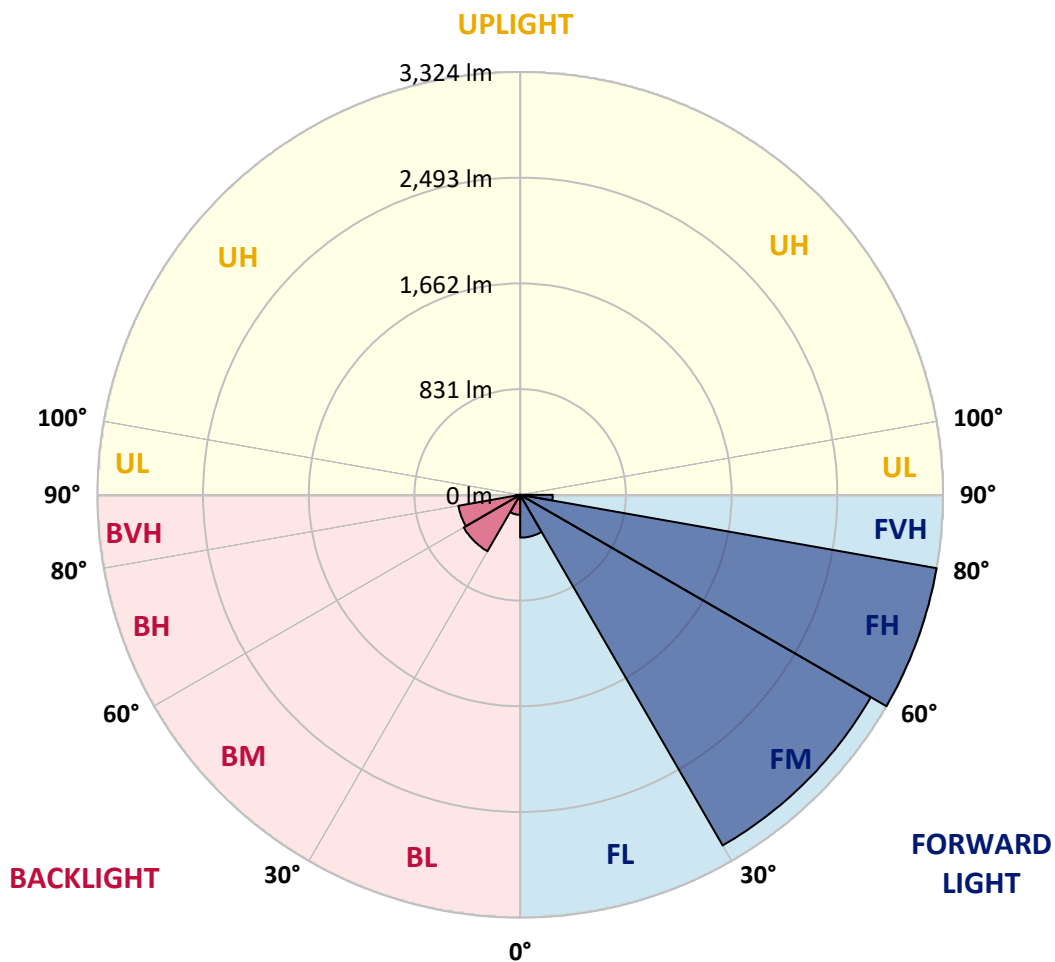
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	336.6	4.1			
FM	(30°-60°)	3182.3	38.4			
FH	(60°-80°)	3323.6	40.1			G2/5000
FVH	(80°-90°)	256.2	3.1			G3/500
BL	(0°-30°)	157.1	1.9	B1/500		
BM	(30°-60°)	512.4	6.2	B1/1000		
BH	(60°-80°)	493.0	5.9	B1/500		G1/500
BVH	(80°-90°)	31.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	4.5	4.5	5.4	6.3	6.3	5.4	4.5	4.5	4.5	3.6	4.5
5°	309.9	156.3	104.8	49.7	37.0	18.1	7.2	5.4	5.4	4.5	4.5
7.5°	356.0	356.0	356.9	360.5	363.2	365.0	45.2	23.5	9.0	4.5	4.5
10°	343.3	340.6	342.4	346.0	349.6	355.1	361.4	343.3	40.7	7.2	5.4
12.5°	634.2	632.4	610.7	372.2	345.1	345.1	354.2	355.1	279.2	27.1	26.2
15°	611.6	610.7	613.4	619.8	629.7	356.9	362.3	527.6	687.5	484.3	562.9
17.5°	628.8	621.6	605.3	601.7	610.7	573.7	674.9	683.0	698.4	556.5	570.1
20°	862.8	860.1	860.1	724.6	597.2	834.8	792.3	683.9	702.0	805.0	1008.3
22.5°	860.1	855.6	849.2	848.3	973.0	812.2	824.9	989.3	1029.0	1179.9	1139.3
25°	1169.1	1157.3	980.2	854.7	966.7	909.8	1102.2	1131.1	1046.2	1224.2	1165.5
27.5°	1269.3	1246.8	1190.7	1091.4	973.9	1105.8	1100.4	1123.9	1153.7	1673.2	1601.8
30°	1723.8	1617.2	1317.2	1267.5	1164.5	1119.4	1254.0	1336.2	1457.3	1638.9	1668.7
32.5°	1928.9	1890.0	1743.7	1560.3	1360.6	1208.8	1371.4	1350.7	1468.1	1992.1	2139.4
35°	2371.6	2323.7	1922.5	1757.2	1581.9	1481.7	1410.3	1577.4	1722.0	2071.6	2180.0
37.5°	2458.3	2447.5	2354.4	2058.1	1823.2	1628.9	1650.6	1695.8	1789.7	2182.7	2294.8
40°	2526.1	2527.0	2554.1	2298.4	2045.4	1865.6	1800.6	1801.5	1881.9	2365.2	2442.0
42.5°	2704.9	2712.2	2785.3	2512.5	2314.6	2142.1	2029.2	1979.5	2040.9	2574.8	2622.7
45°	3027.5	3011.2	3073.5	2732.9	2517.0	2368.9	2278.5	2202.6	2235.1	2798.0	2853.1
47.5°	3433.1	3398.8	3378.0	3007.6	2737.5	2610.1	2526.1	2446.5	2456.5	3011.2	3116.9
50°	3746.6	3729.4	3621.9	3215.4	2927.2	2853.1	2817.9	2719.4	2676.9	3248.8	3418.7
52.5°	3880.3	3864.1	3731.3	3372.6	3077.2	3085.3	3146.7	3018.4	2899.2	3506.3	3706.0
55°	3856.8	3843.3	3755.6	3450.3	3185.6	3309.3	3470.2	3341.9	3187.4	3749.3	3998.7
57.5°	3683.4	3689.7	3688.8	3455.7	3268.7	3519.8	3786.4	3676.1	3492.7	3990.5	4236.3
60°	3300.3	3333.7	3458.4	3416.9	3374.4	3718.6	4093.5	4042.0	3847.8	4255.3	4455.8
62.5°	2643.5	2709.5	2982.3	3204.5	3459.3	3996.9	4393.5	4399.8	4215.5	4460.3	4625.7
65°	1783.4	1778.0	2184.5	2735.7	3359.0	4434.1	4841.6	4829.0	4556.1	4694.3	4875.9
67.5°	991.1	1012.8	1279.3	1810.5	2973.3	4705.2	5701.7	5430.6	5025.9	5051.2	5227.4
70°	613.4	639.6	729.1	1011.9	1903.6	4389.0	6806.6	6680.1	5894.1	5524.6	5369.2
72.5°	466.2	480.6	552.9	717.3	1145.6	3174.7	7173.4	7731.7	6884.3	5641.2	5060.2
75°	278.3	295.4	393.9	619.8	954.9	1643.4	6219.4	7377.6	7198.7	5567.1	4416.1
77.5°	173.5	178.0	212.3	432.8	880.0	1034.5	4260.7	5714.3	5867.0	4715.1	3120.5
80°	132.8	133.7	146.4	230.4	711.0	979.3	2467.3	3816.2	3740.3	2517.9	1226.0
82.5°	84.0	89.4	113.8	140.9	337.9	954.9	1458.2	2172.8	1912.6	681.2	341.5
85°	42.5	47.9	80.4	96.7	163.5	1034.5	1034.5	1114.0	783.3	228.6	129.2
87.5°	7.2	7.2	10.8	25.3	32.5	175.3	289.1	252.1	166.2	30.7	25.3
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°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	4.5	4.5	4.5	3.6	2.7	1.8	0.9	0.9	0.9	1.8	1.8
5°	4.5	4.5	4.5	3.6	2.7	1.8	0.9	0.9	1.8	2.7	2.7
7.5°	4.5	4.5	4.5	3.6	2.7	2.7	1.8	3.6	8.1	105.7	71.4
10°	5.4	5.4	5.4	4.5	3.6	9.9	309.0	326.1	327.0	325.2	321.6
12.5°	28.9	31.6	23.5	8.1	33.4	309.9	297.2	282.8	277.4	271.0	271.0
15°	571.0	563.8	532.1	392.1	240.3	276.5	248.4	229.5	356.0	351.4	355.1
17.5°	572.8	560.1	515.0	561.0	520.4	248.4	281.9	306.3	289.1	282.8	285.5
20°	1086.9	1028.1	522.2	523.1	446.3	440.9	239.4	225.9	228.6	234.0	235.8
22.5°	1106.7	1039.0	801.4	677.6	383.1	353.2	244.8	196.0	290.0	322.5	326.1
25°	1115.8	1030.8	757.1	599.9	432.8	264.7	236.7	215.0	264.7	297.2	299.0
27.5°	1577.4	1429.3	1034.5	509.5	334.3	232.2	221.3	202.4	237.6	294.5	295.4
30°	1563.9	1389.5	958.6	493.3	258.4	214.1	191.5	211.4	224.1	239.4	239.4
32.5°	2033.7	1783.4	1063.4	397.5	216.8	178.0	180.7	192.4	193.3	228.6	231.3
35°	2034.6	1744.6	916.1	363.2	186.1	162.6	165.3	178.0	197.0	219.5	223.2
37.5°	2066.2	1727.4	789.6	282.8	186.1	162.6	157.2	169.8	183.4	215.0	218.6
40°	2133.0	1734.6	669.5	234.9	179.8	159.9	155.4	165.3	181.6	199.7	201.5
42.5°	2246.9	1775.3	555.6	212.3	175.3	159.9	149.1	156.3	165.3	202.4	206.0
45°	2427.6	1862.0	468.0	203.3	173.5	153.6	141.8	143.6	150.0	239.4	249.4
47.5°	2639.0	1982.2	392.1	198.8	170.8	147.3	131.0	132.8	147.3	271.9	285.5
50°	2882.9	2160.2	346.9	197.9	168.0	138.2	122.9	132.8	162.6	271.0	277.4
52.5°	3169.3	2340.8	322.5	201.5	166.2	130.1	127.4	149.1	154.5	217.7	217.7
55°	3426.8	2541.4	324.3	204.2	160.8	130.1	131.0	126.5	122.0	150.0	150.9
57.5°	3679.8	2741.1	354.2	198.8	152.7	131.0	112.9	103.9	105.7	127.4	130.1
60°	3899.3	2933.5	443.6	187.0	145.5	118.4	104.8	97.6	99.4	128.3	131.0
62.5°	4136.0	3168.4	614.3	191.5	144.6	112.0	97.6	89.4	93.1	106.6	108.4
65°	4455.8	3496.4	767.9	225.9	150.0	108.4	89.4	84.9	85.8	86.7	86.7
67.5°	4769.3	3698.7	740.8	266.5	168.0	106.6	84.9	79.5	78.6	78.6	78.6
70°	4738.6	3479.2	587.2	282.8	182.5	106.6	81.3	74.1	72.3	72.3	72.3
72.5°	4295.0	2976.0	450.8	262.0	168.0	102.1	75.9	67.8	65.0	65.0	65.0
75°	3654.5	2386.9	378.5	227.7	137.3	87.6	66.9	60.5	58.7	58.7	57.8
77.5°	2334.5	1411.2	321.6	185.2	105.7	71.4	57.8	52.4	52.4	52.4	49.7
80°	936.9	620.7	250.3	146.4	82.2	56.9	47.9	45.2	44.3	43.4	40.7
82.5°	356.0	306.3	162.6	106.6	63.2	43.4	38.8	36.1	36.1	35.2	30.7
85°	127.4	119.3	75.0	61.4	38.8	27.1	29.8	27.1	26.2	23.5	19.9
87.5°	27.1	29.8	20.8	13.6	13.6	8.1	9.9	10.8	10.8	9.9	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

(END OF REPORT)