

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: P413761

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-727-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8481 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 96
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

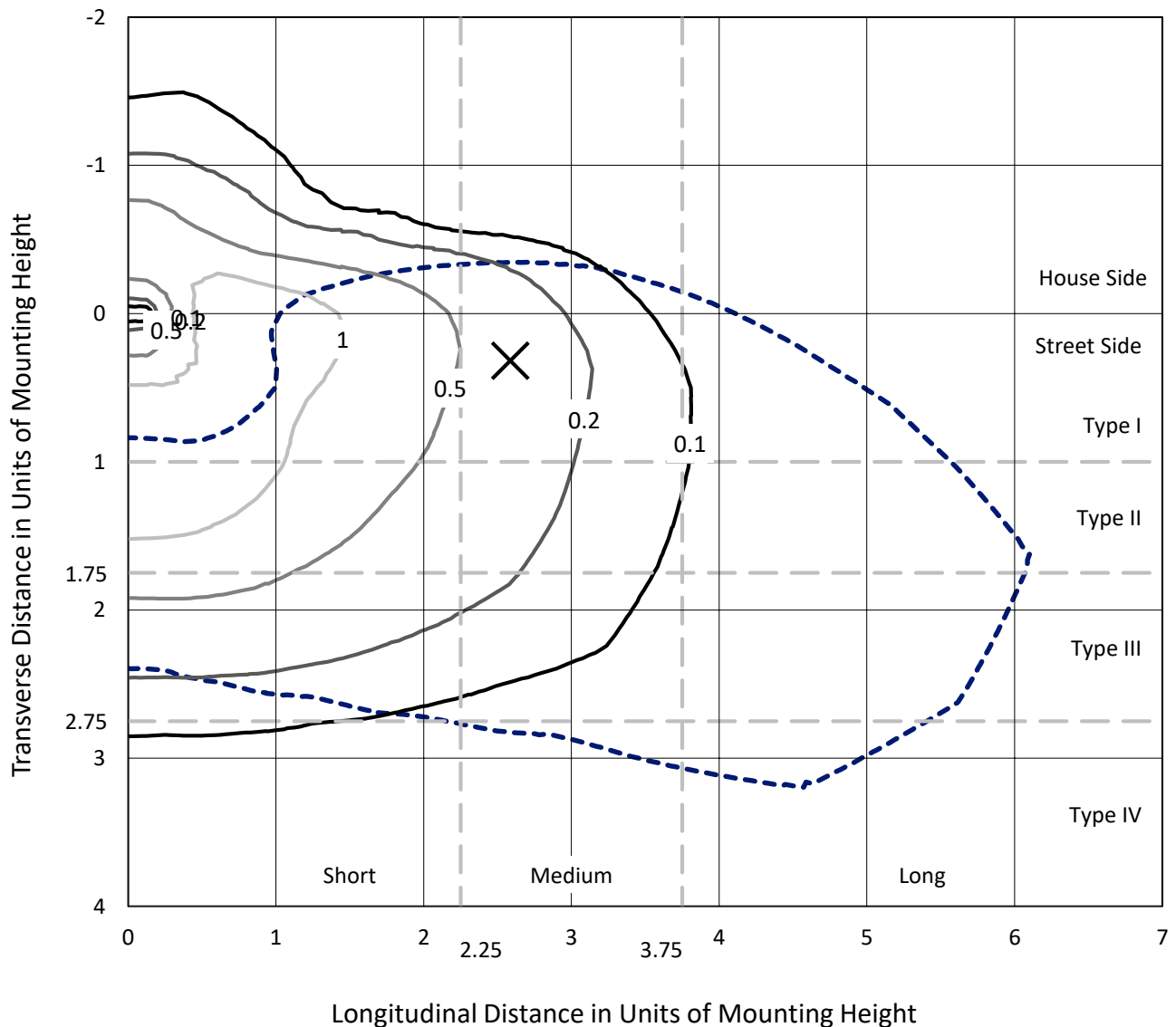


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

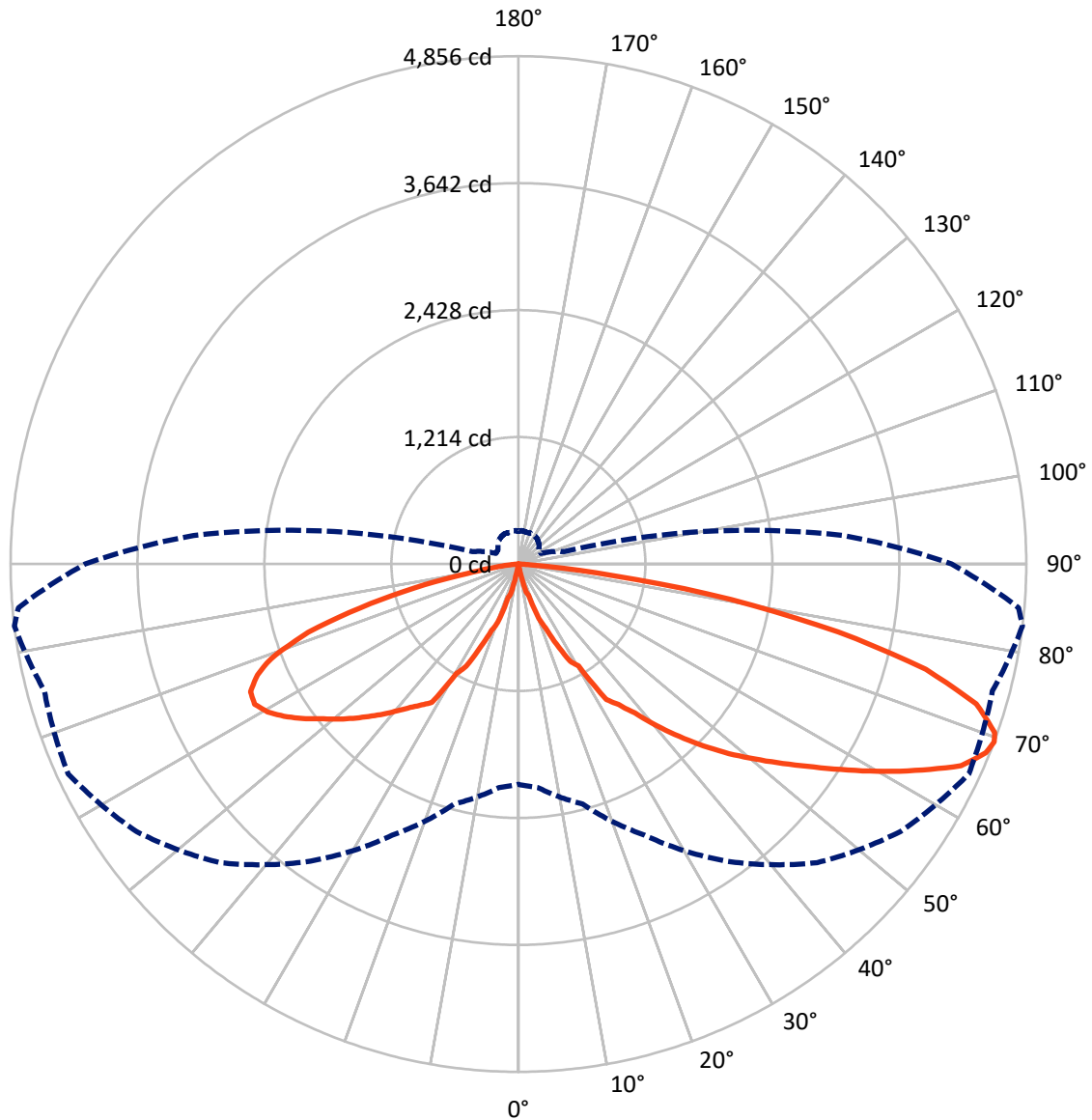


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1798.9	0.0	1798.9
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	6682.1	0.0	6682.1
	% Fixture	78.8	0.0	78.8
Total	Lumens	8481.0	0.0	8481.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.1
10°-20°	86.2	1.0
20°-30°	340.1	4.0
30°-40°	756.8	8.9
40°-50°	1285.2	15.2
50°-60°	1915.2	22.6
60°-70°	2255.5	26.6
70°-80°	1578.8	18.6
80°-90°	257.7	3.0
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°	8481.0	100.0
0°-180°	8481.0	100.0

Coefficient of Utilization



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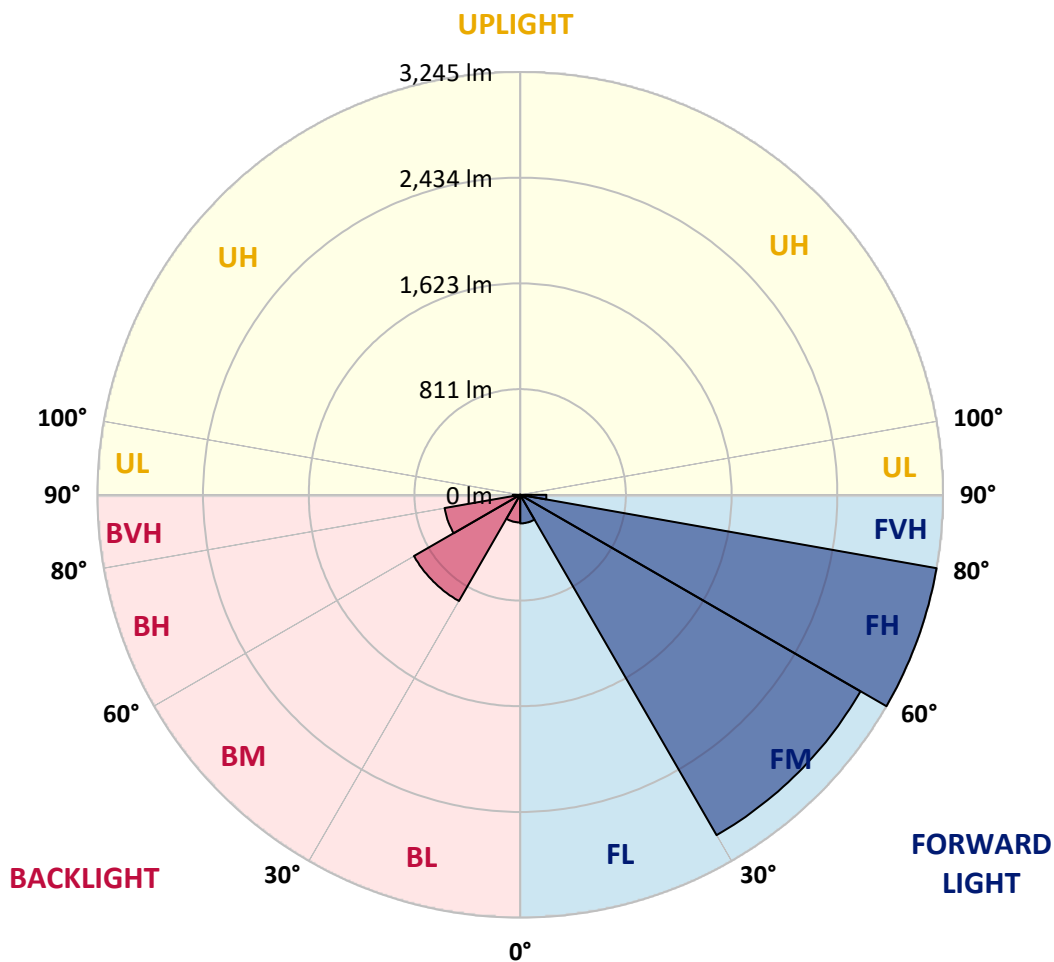
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.6	2.6			
FM (30°-60°)	3016.0	35.6			
FH (60°-80°)	3245.1	38.3			G2/5000
FVH (80°-90°)	201.5	2.4			G2/225
BL (0°-30°)	212.1	2.5	B1/500		
BM (30°-60°)	941.3	11.1	B1/1000		
BH (60°-80°)	589.2	6.9	B2/1000		G2/1000
BVH (80°-90°)	56.3	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	4.6	3.7	4.6	5.5	5.5	4.6	3.7	3.7	3.7	3.7	2.7
5°	74.0	53.9	48.4	42.9	25.6	9.1	5.5	3.7	3.7	3.7	3.7
7.5°	156.1	156.1	156.1	157.0	156.1	116.0	27.4	6.4	3.7	3.7	3.7
10°	158.0	157.0	156.1	157.0	158.9	159.8	154.3	21.9	9.1	8.2	8.2
12.5°	285.8	284.0	273.9	191.7	162.5	163.4	167.1	120.5	43.8	116.0	135.1
15°	303.1	301.3	301.3	302.2	286.7	178.0	251.1	328.7	233.7	279.4	284.0
17.5°	339.6	329.6	321.4	315.9	317.7	354.3	356.1	363.4	272.1	313.2	318.6
20°	520.4	516.8	487.6	373.4	348.8	460.2	409.9	403.6	509.5	553.3	562.4
22.5°	594.4	590.7	569.7	549.6	573.4	501.3	583.4	601.7	690.2	663.8	672.0
25°	807.1	804.4	687.5	636.4	699.4	576.1	720.4	689.3	762.4	850.0	859.2
27.5°	987.9	981.5	957.8	858.2	780.6	863.7	797.1	921.2	1035.4	1050.0	1077.4
30°	1173.2	1131.2	1058.2	1061.8	961.4	952.3	949.5	1105.7	1109.3	1132.1	1178.7
32.5°	1476.4	1457.2	1396.0	1207.0	1185.1	1058.2	1168.7	1178.7	1449.0	1543.9	1553.1
35°	1719.2	1637.1	1579.5	1472.7	1306.5	1347.6	1302.0	1482.8	1589.6	1650.7	1688.2
37.5°	2106.3	2117.3	2023.3	1634.3	1530.2	1482.8	1562.2	1659.9	1793.2	1807.8	1864.4
40°	2384.8	2377.5	2250.6	1963.9	1731.1	1682.7	1735.7	1831.5	2012.3	2030.6	2044.3
42.5°	2790.2	2754.6	2577.5	2255.2	2039.7	1937.4	1952.0	1992.2	2173.0	2254.3	2237.8
45°	3165.5	3141.7	2962.8	2565.6	2331.9	2212.3	2190.3	2154.7	2372.0	2480.7	2450.6
47.5°	3459.4	3417.4	3315.2	2910.7	2730.9	2527.3	2417.7	2352.9	2569.2	2708.0	2666.0
50°	3774.4	3710.5	3618.3	3253.1	3076.0	2894.3	2653.2	2572.0	2791.1	2929.0	2895.2
52.5°	3983.5	3884.0	3826.5	3558.1	3394.6	3235.8	2882.4	2827.6	3034.9	3167.3	3160.0
55°	3878.5	3874.9	3933.3	3763.5	3604.6	3436.6	3120.7	3118.0	3289.6	3425.7	3432.1
57.5°	3695.9	3715.1	3881.3	3906.8	3839.3	3642.1	3415.6	3443.0	3589.1	3715.1	3728.8
60°	3463.1	3516.1	3755.3	3890.4	3944.3	3846.6	3699.6	3741.6	3916.0	4024.6	4021.0
62.5°	3155.4	3198.3	3496.0	3801.8	3911.4	4003.6	3961.6	4096.7	4234.6	4336.9	4363.3
65°	2792.0	2809.4	3131.7	3544.4	3827.4	4084.0	4180.7	4426.3	4493.0	4650.0	4655.5
67.5°	2389.4	2394.9	2675.2	3167.3	3644.8	4077.6	4367.0	4670.1	4652.8	4819.9	4807.1
69°	2106.3	2145.6	2375.7	2860.5	3467.7	4038.3	4459.2	4750.5	4692.0	4855.5	4799.8
70°	1907.3	1904.6	2167.5	2600.3	3311.5	3988.1	4517.6	4771.5	4692.9	4830.8	4746.8
72.5°	1215.2	1233.5	1460.8	1845.2	2668.8	3697.7	4589.8	4715.8	4592.5	4578.8	4398.9
75°	536.9	487.6	630.0	976.9	1678.1	2876.0	4416.3	4464.7	4306.7	4024.6	3716.0
77.5°	188.1	195.4	237.4	397.2	808.0	1713.7	3660.3	3927.8	3803.7	3125.3	2781.1
80°	134.2	135.1	158.9	221.9	391.7	604.4	2330.0	2841.3	2927.2	2060.7	1771.3
82.5°	95.0	95.0	117.8	141.5	271.2	270.3	1002.5	1563.1	1669.9	913.9	683.9
85°	79.4	81.3	90.4	82.2	158.9	137.9	247.4	482.1	395.3	111.4	97.7
87.5°	11.9	11.0	31.0	27.4	23.7	20.1	27.4	31.0	21.0	16.4	11.9
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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	3.7	3.7	3.7	3.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7
5°	3.7	3.7	3.7	3.7	3.7	3.7	4.6	6.4	7.3	8.2	8.2
7.5°	3.7	3.7	3.7	4.6	5.5	8.2	44.7	155.2	169.8	177.1	181.7
10°	7.3	8.2	8.2	8.2	20.1	171.6	204.5	211.8	219.1	222.8	221.9
12.5°	141.5	146.1	36.5	26.5	159.8	214.6	221.0	228.3	235.6	241.0	240.1
15°	291.3	298.6	286.7	296.7	315.0	232.8	238.3	403.6	437.3	443.7	444.6
17.5°	325.0	330.5	336.0	437.3	448.3	345.1	412.7	442.8	446.5	448.3	449.2
20°	619.0	616.3	498.5	479.3	474.8	598.9	438.3	446.5	534.1	608.1	611.7
22.5°	682.9	691.2	658.3	703.9	623.6	606.2	552.4	591.6	624.5	623.6	620.9
25°	885.6	896.6	755.1	732.2	747.8	602.6	689.3	590.7	599.9	600.8	606.2
27.5°	1107.5	1110.2	1048.2	824.5	735.9	745.9	649.2	629.1	703.0	707.6	707.6
30°	1206.1	1223.5	1107.5	955.0	762.4	704.9	629.1	685.7	652.8	658.3	658.3
32.5°	1602.4	1588.7	1446.2	945.9	789.8	648.2	657.4	635.5	703.9	722.2	724.0
35°	1706.4	1678.1	1454.4	1057.3	736.8	661.9	600.8	645.5	645.5	644.6	640.0
37.5°	1835.2	1785.9	1437.1	978.8	741.4	604.4	579.8	580.7	633.6	645.5	637.3
40°	1987.7	1913.7	1434.4	913.9	672.0	572.5	532.3	558.8	557.9	542.3	533.2
42.5°	2152.9	2055.2	1428.0	837.2	603.5	536.9	502.2	493.9	498.5	470.2	467.5
45°	2346.5	2201.3	1409.7	769.7	548.7	498.5	459.3	446.5	448.3	426.4	420.9
47.5°	2551.9	2351.9	1405.1	716.7	503.1	460.2	428.2	411.8	418.2	393.5	388.0
50°	2781.1	2507.2	1389.6	667.4	452.9	424.6	400.8	381.6	382.6	363.4	358.8
52.5°	3030.3	2657.8	1372.3	599.9	407.2	394.4	380.7	366.1	382.6	357.0	351.5
55°	3286.0	2841.3	1349.4	521.3	366.1	371.6	357.9	368.9	392.6	352.4	345.1
57.5°	3569.9	3013.9	1306.5	435.5	333.3	346.0	355.2	369.8	388.9	351.5	337.8
60°	3839.3	3180.1	1204.3	367.9	304.9	325.0	349.7	364.3	362.5	345.1	336.0
62.5°	4113.2	3317.0	1015.3	315.9	281.2	315.0	341.5	347.9	339.6	333.3	327.8
65°	4263.8	3350.8	787.0	281.2	262.0	301.3	331.4	336.9	325.0	325.0	320.5
67.5°	4239.2	3242.1	580.7	252.9	245.6	287.6	314.1	326.9	318.6	325.0	317.7
69°	4140.6	3118.0	456.5	238.3	237.4	276.6	304.0	318.6	312.3	321.4	312.3
70°	4024.6	2992.9	403.6	230.1	229.2	268.4	297.6	312.3	304.9	312.3	304.0
72.5°	3580.0	2568.3	289.4	207.3	210.0	252.0	282.1	293.1	286.7	288.5	277.6
75°	2862.3	1909.1	229.2	188.1	190.8	232.8	264.8	271.2	266.6	258.4	252.0
77.5°	2012.3	1230.8	188.1	170.7	171.6	210.0	246.5	245.6	238.3	230.1	221.9
80°	1097.5	578.9	159.8	149.7	152.5	187.2	220.0	217.3	208.2	200.0	189.9
82.5°	474.8	233.7	124.2	119.6	127.8	157.0	189.0	181.7	173.5	177.1	137.9
85°	84.9	80.3	72.1	76.7	86.7	111.4	133.3	126.9	122.3	104.1	95.9
87.5°	7.3	11.0	11.0	13.7	19.2	21.0	37.4	27.4	28.3	11.0	5.5
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)