

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: P416248

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-727-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7106 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

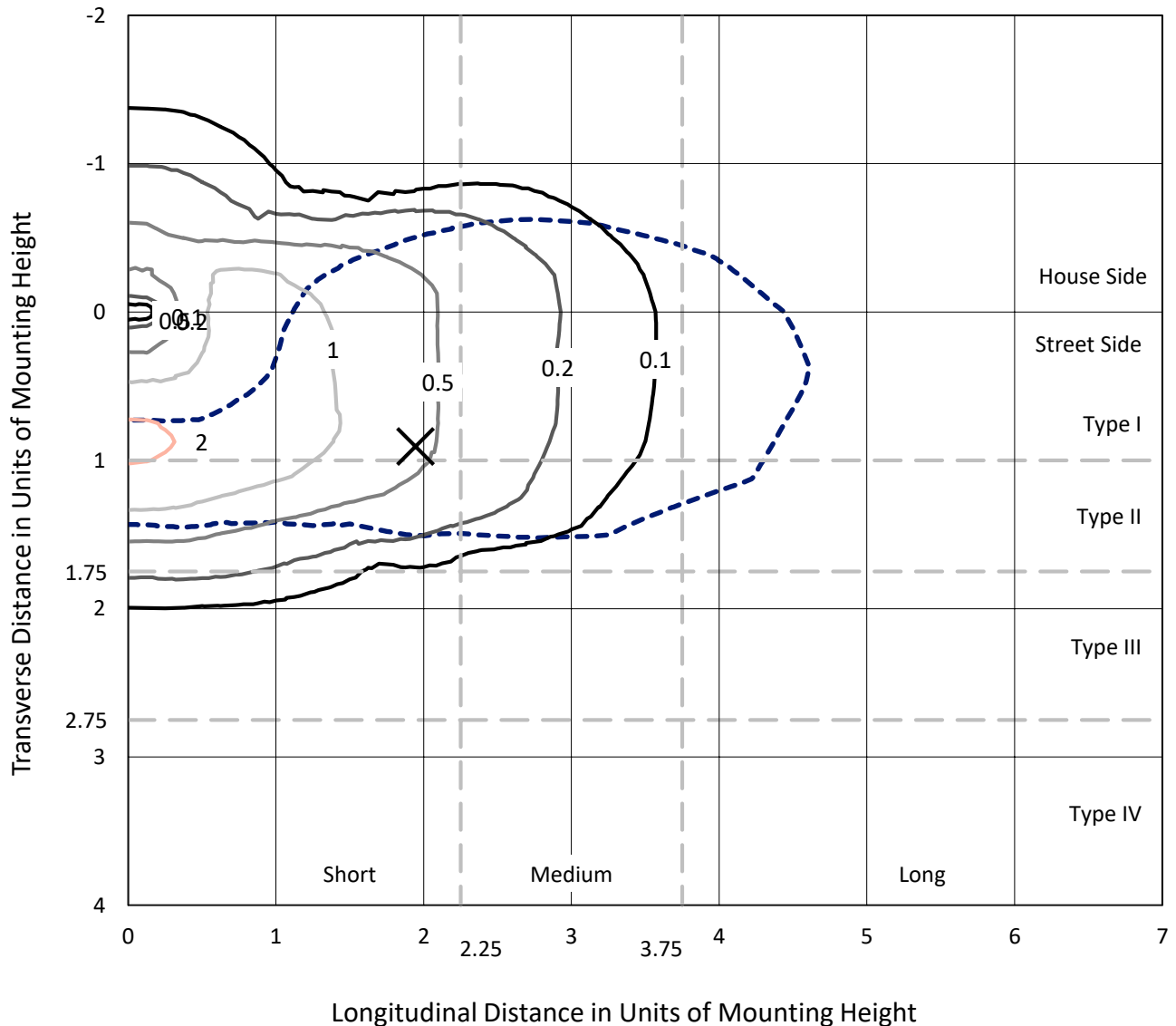
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

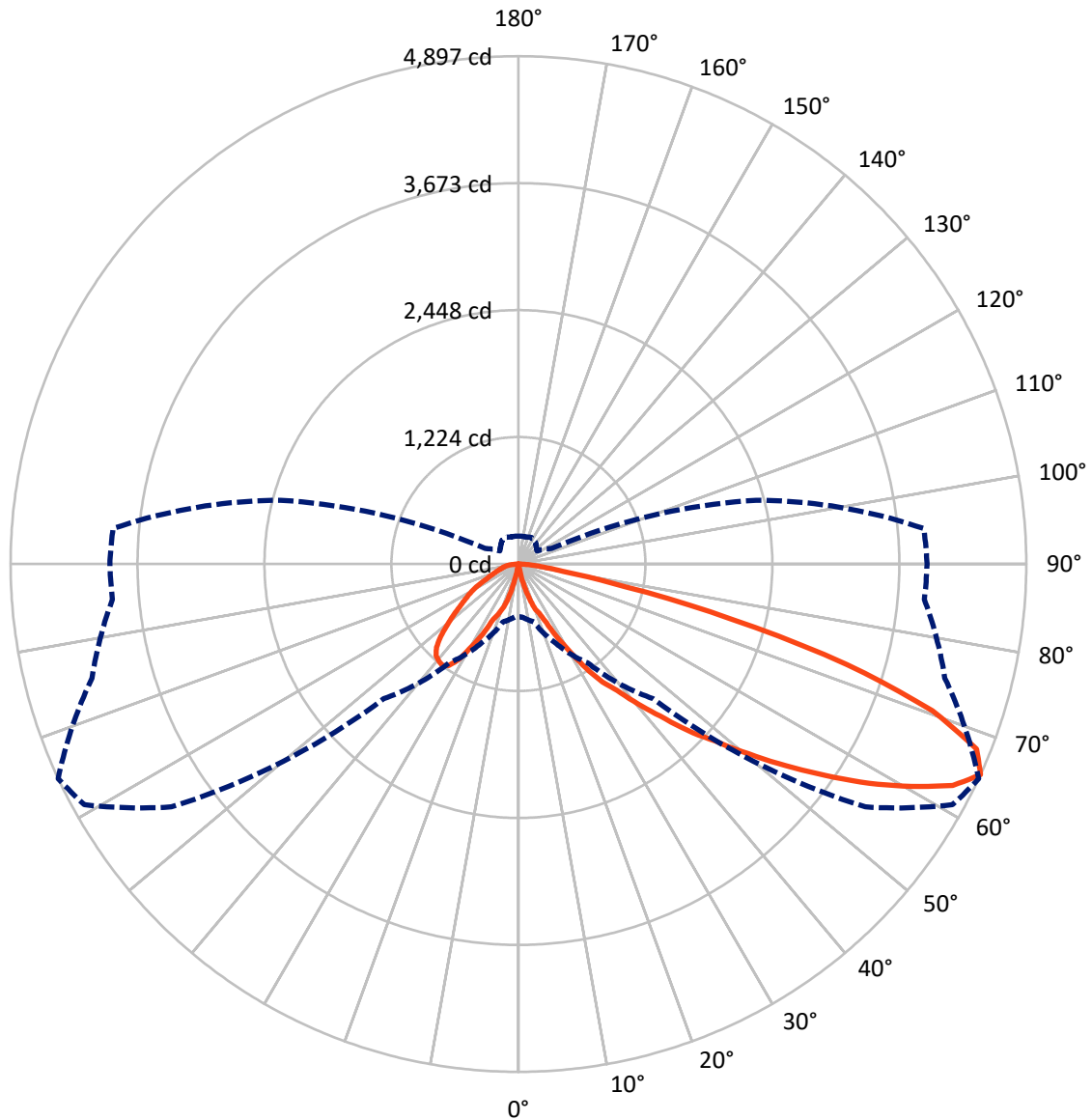
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1917.4	0.0	1917.4
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	5188.6	0.0	5188.6
	% Fixture	73.0	0.0	73.0
Total	Lumens	7106.0	0.0	7106.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	0.1
10°-20°	78.5	1.1
20°-30°	302.2	4.3
30°-40°	756.4	10.6
40°-50°	1408.3	19.8
50°-60°	1844.1	26.0
60°-70°	1653.2	23.3
70°-80°	909.4	12.8
80°-90°	148.6	2.1
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°	7106.0	100.0
0°-180°	7106.0	100.0



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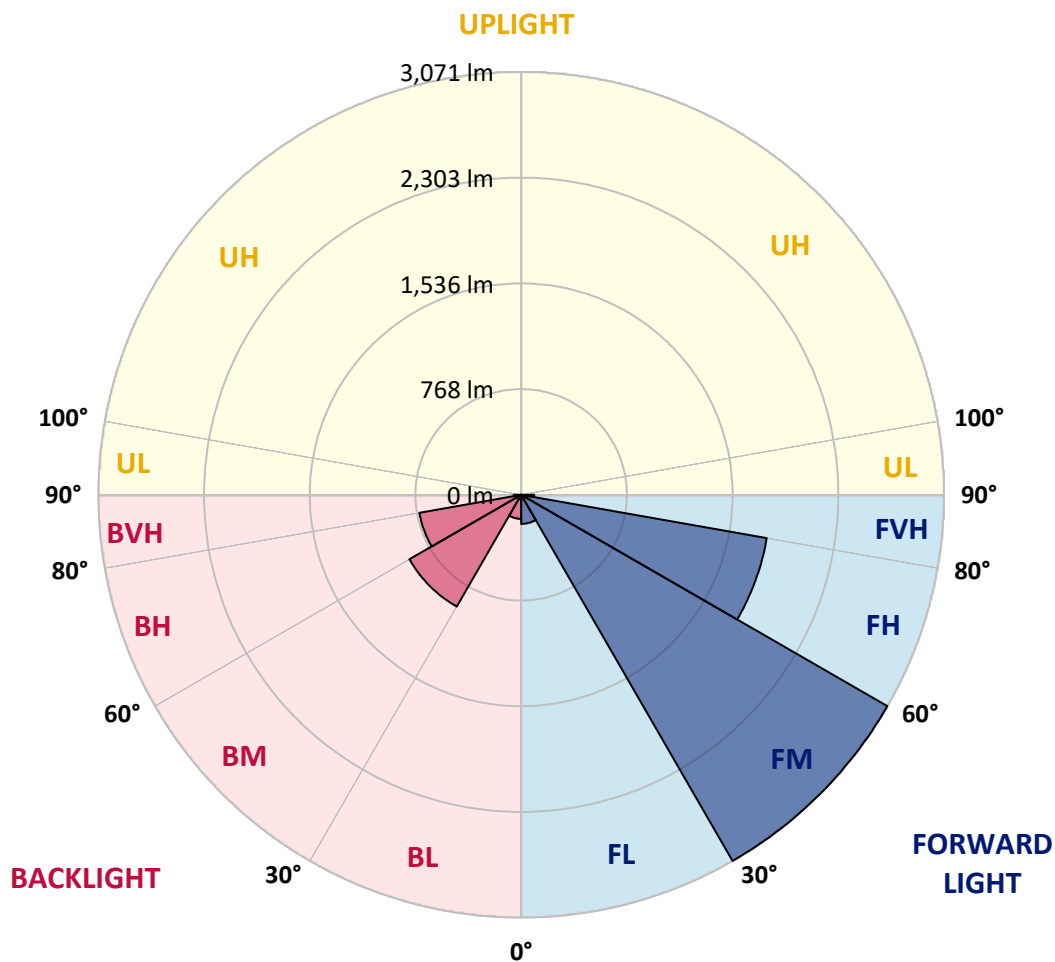
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	211.3	3.0			
FM	(30°-60°)	3071.3	43.2			
FH	(60°-80°)	1811.7	25.5			G2/5000
FVH	(80°-90°)	94.3	1.3			G1/100
BL	(0°-30°)	174.7	2.5	B1/500		
BM	(30°-60°)	937.6	13.2	B1/1000		
BH	(60°-80°)	750.9	10.6	B2/1000		G2/1000
BVH	(80°-90°)	54.3	0.8			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.5°	3.8	3.8	4.6	5.4	5.4	4.6	3.8	3.1	2.3	1.5	1.5
5°	35.2	31.4	24.5	16.8	9.9	7.7	6.1	4.6	3.8	2.3	1.5
7.5°	172.2	171.4	170.6	171.4	167.6	65.8	12.2	7.7	6.1	3.1	2.3
10°	172.9	172.2	171.4	172.9	172.9	170.6	162.2	23.7	12.2	7.7	7.7
12.5°	307.6	296.9	205.1	180.6	174.5	174.5	174.5	156.1	148.4	109.4	132.4
15°	322.9	320.6	319.8	321.4	284.6	188.2	263.2	247.9	251.0	214.2	254.0
17.5°	339.7	335.9	332.8	333.6	320.6	369.6	345.8	353.5	356.6	270.9	296.9
20°	526.4	526.4	486.6	368.8	404.8	463.7	382.6	420.1	465.2	404.8	415.5
22.5°	597.6	592.2	586.9	556.3	508.8	505.8	556.3	487.4	517.2	594.5	549.4
25°	812.6	814.1	682.5	642.0	710.8	619.8	664.1	660.3	625.1	720.8	696.3
27.5°	1028.3	1031.4	1016.9	905.2	812.6	797.3	756.0	814.9	805.7	799.6	857.0
30°	1229.6	1228.8	1163.0	1116.3	1066.6	977.8	931.9	944.2	980.9	947.2	1068.9
32.5°	1710.9	1697.8	1627.5	1331.3	1254.8	1171.4	1158.4	1124.0	1197.4	1173.7	1286.2
35°	2031.4	2028.4	1900.6	1733.8	1492.0	1399.4	1401.0	1336.7	1397.1	1427.8	1445.3
37.5°	2747.6	2736.9	2542.6	2053.6	1863.1	1672.6	1637.4	1606.8	1544.1	1632.8	1632.0
40°	3133.2	3102.6	2931.3	2609.1	2187.5	1958.0	1884.5	1818.7	1773.6	1825.6	1818.7
42.5°	3433.2	3409.5	3288.6	2955.0	2610.7	2432.4	2158.5	2095.7	2004.7	2066.6	2034.5
45°	3648.2	3635.9	3528.1	3280.2	3016.2	2885.3	2467.6	2369.6	2290.8	2282.4	2263.3
47.5°	3689.5	3663.5	3631.4	3492.1	3379.6	3340.6	2850.1	2681.1	2551.0	2526.5	2494.4
50°	3494.4	3486.7	3528.8	3503.6	3640.5	3731.6	3291.6	3057.5	2875.4	2788.9	2727.0
52.5°	3042.2	3058.3	3219.7	3332.2	3673.4	4004.0	3706.3	3479.9	3231.2	3040.7	2957.3
55°	2417.1	2475.2	2714.7	2948.9	3467.6	4121.8	4099.6	3921.3	3600.7	3322.2	3199.1
57.5°	1856.2	1850.1	2158.5	2371.2	3049.8	4043.0	4355.2	4304.7	3989.4	3614.5	3430.1
60°	1202.8	1197.4	1561.7	1834.0	2350.5	3639.0	4487.5	4619.9	4354.4	3867.0	3638.2
62.5°	785.0	817.9	956.4	1343.6	1678.7	2814.2	4443.2	4815.8	4701.8	4101.2	3837.9
65°	505.0	517.2	577.7	837.1	1163.8	1835.6	4083.6	4786.7	4896.9	4257.2	3929.0
67.5°	376.4	379.5	408.6	520.3	791.9	959.5	3205.2	4382.7	4764.5	4268.0	3899.2
70°	330.5	336.7	365.0	392.5	589.2	603.7	1873.8	3523.5	4233.5	4114.2	3748.4
72.5°	282.3	288.5	325.9	365.7	450.7	453.0	700.9	2341.3	3314.6	3802.0	3506.6
75°	230.3	234.1	267.0	320.6	375.7	363.4	405.5	1058.2	2121.7	3160.0	3127.9
77.5°	185.9	189.0	212.7	255.6	332.8	278.5	302.2	453.7	1054.4	2281.6	2534.1
80°	134.7	136.2	159.1	195.9	250.2	248.7	225.7	287.7	435.4	1332.9	1678.0
82.5°	85.7	85.7	109.4	128.5	166.0	245.6	158.4	193.6	243.3	663.4	807.2
85°	48.2	49.7	68.9	75.0	97.2	149.2	114.0	107.1	131.6	240.3	198.9
87.5°	9.2	11.5	19.9	21.4	25.2	35.2	41.3	37.5	39.0	55.9	32.9
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°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.5°	1.5	2.3	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.3	2.3
5°	1.5	2.3	3.1	3.1	3.8	5.4	6.1	6.1	6.9	7.7	6.9
7.5°	1.5	2.3	3.1	4.6	6.1	12.2	44.4	156.9	168.3	170.6	173.7
10°	6.9	6.9	7.7	8.4	34.4	164.5	176.7	178.3	179.8	180.6	181.3
12.5°	134.7	133.1	132.4	101.8	156.9	181.3	183.6	185.2	187.5	223.4	241.8
15°	257.1	257.9	244.8	234.9	273.2	198.9	211.9	327.5	339.0	342.8	345.1
17.5°	294.6	307.6	273.2	362.7	359.6	303.0	333.6	351.2	352.7	355.0	355.8
20°	418.5	415.5	397.9	454.5	389.5	498.1	413.2	355.8	447.6	492.8	493.5
22.5°	543.2	544.0	518.8	524.9	560.1	512.6	413.9	469.8	481.3	480.5	478.2
25°	700.1	694.0	681.7	583.8	661.1	557.8	550.9	455.3	456.8	493.5	517.2
27.5°	856.2	840.9	792.7	756.7	686.3	620.5	520.3	492.8	531.0	528.7	529.5
30°	1072.0	1048.2	915.1	910.5	728.4	614.4	529.5	490.5	477.4	480.5	479.0
32.5°	1287.7	1244.9	1124.8	1085.7	776.6	572.3	485.9	453.0	490.5	495.8	492.8
35°	1420.9	1385.7	1344.4	1189.0	782.0	527.2	440.0	447.6	445.3	443.0	444.5
37.5°	1576.2	1518.8	1482.8	1224.2	737.6	470.6	419.3	413.2	449.9	450.7	447.6
40°	1749.9	1684.8	1604.5	1208.2	636.6	426.2	389.5	409.4	411.6	402.5	400.2
42.5°	1945.8	1850.9	1731.5	1186.7	527.9	400.2	378.0	380.3	381.8	371.9	368.0
45°	2143.2	2032.2	1840.2	1127.1	449.1	374.2	360.4	359.6	352.0	342.8	340.5
47.5°	2364.3	2234.2	1929.7	1023.0	393.3	354.3	348.9	334.4	336.7	328.2	327.5
50°	2592.3	2452.3	1980.9	898.3	356.6	337.4	328.2	323.7	329.8	319.8	318.3
52.5°	2815.7	2698.6	2062.1	786.6	325.2	322.9	319.1	320.6	322.9	312.2	311.4
55°	3058.3	2974.1	2136.3	680.2	297.6	303.0	316.0	315.2	314.5	304.5	304.5
57.5°	3280.9	3239.6	2212.0	598.3	276.2	285.4	309.1	309.1	305.3	296.9	296.1
60°	3539.5	3508.9	2283.9	524.9	257.9	269.3	300.7	301.5	294.6	288.5	286.9
62.5°	3774.4	3751.5	2341.3	447.6	238.0	255.6	288.5	293.8	283.9	279.3	279.3
65°	3939.7	3923.6	2372.7	352.0	218.8	241.8	275.5	283.1	270.1	269.3	269.3
67.5°	3954.2	3944.3	2307.7	293.8	205.1	228.8	259.4	267.0	255.6	257.9	253.3
70°	3818.8	3746.1	2123.3	244.8	191.3	211.9	240.3	249.4	238.0	238.7	231.1
72.5°	3532.7	3323.0	1797.3	208.1	176.0	193.6	219.6	228.0	217.3	215.0	206.6
75°	3051.4	2727.7	1251.0	180.6	159.9	173.7	194.3	202.8	195.9	184.4	182.1
77.5°	2363.5	1999.3	766.7	156.1	145.4	153.0	168.3	172.9	166.0	152.3	150.0
80°	1489.7	1199.0	369.6	135.4	126.2	130.1	140.0	143.8	138.5	124.7	117.1
82.5°	682.5	518.0	195.1	109.4	102.5	102.5	112.5	109.4	104.8	91.8	74.2
85°	159.1	163.7	90.3	67.3	65.0	58.2	67.3	66.6	59.7	45.9	38.3
87.5°	26.0	29.1	23.0	20.7	16.8	13.0	14.5	12.2	10.7	5.4	2.3
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)