

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: P413786

Luminaire Tested: **LXF.LXT-PA1-100-730-U-SL3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413786  
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-PA1-100-730-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA 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: 9145 lumens  
Efficiency: N/A  
Efficacy: 95.3 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B2 - U0 - G3

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

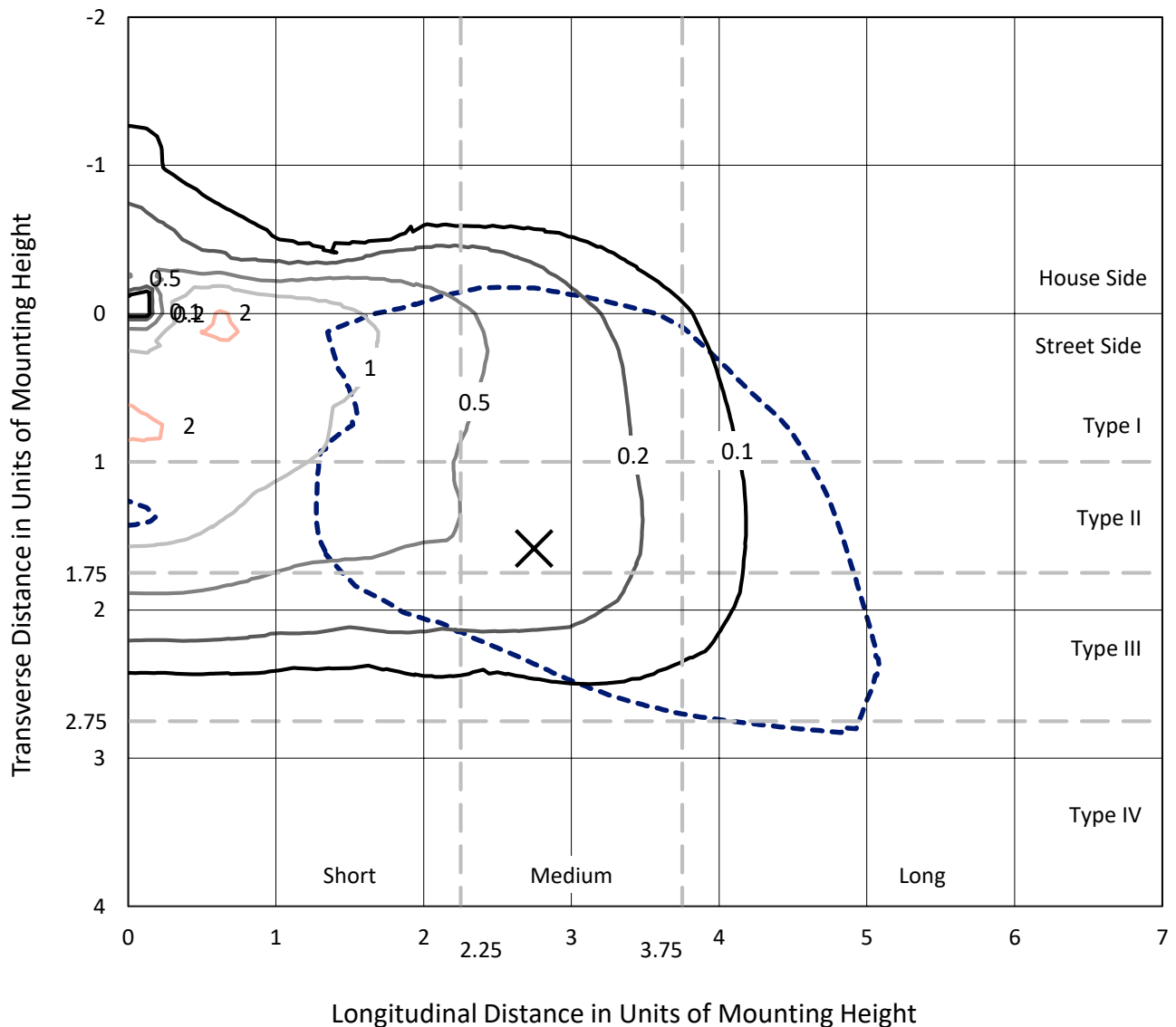


REPORT NUMBER: P413786

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3

### Iso-Footcandle Lines of Horizontal Illumination

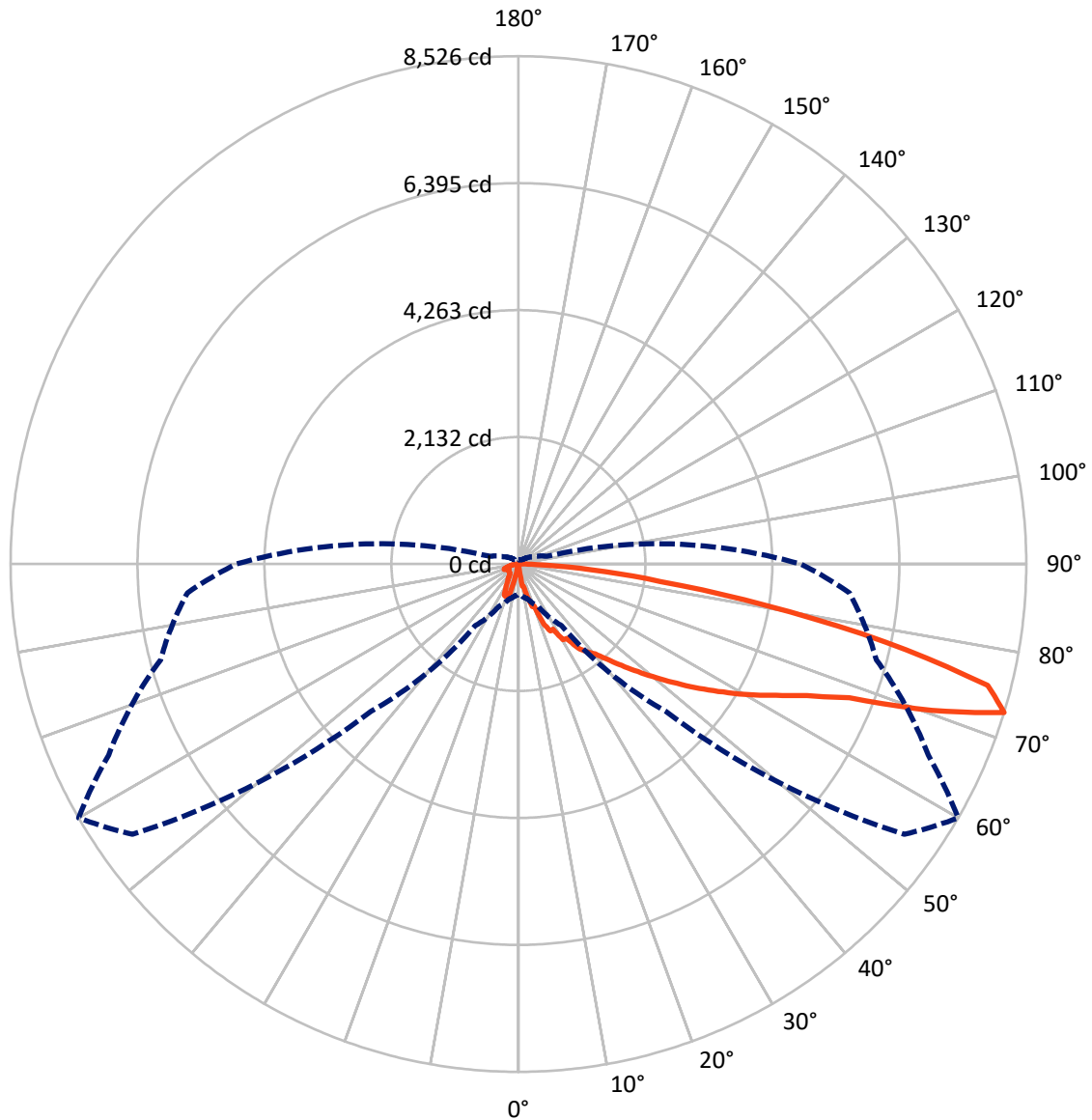
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P413786  
CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3

### Luminous Intensity Polar Plot



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



REPORT NUMBER: P413786

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1317.0	0.0	1317.0
	% Fixture	14.4	0.0	14.4
<b>Street Side</b>	Lumens	7828.0	0.0	7828.0
	% Fixture	85.6	0.0	85.6
<b>Total</b>	Lumens	9145.0	0.0	9145.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.6	0.1
10°-20°	133.4	1.5
20°-30°	401.5	4.4
30°-40°	794.1	8.7
40°-50°	1315.3	14.4
50°-60°	1964.9	21.5
60°-70°	2337.4	25.6
70°-80°	1871.2	20.5
80°-90°	317.6	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°	9145.0	100.0
0°-180°	9145.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P413786

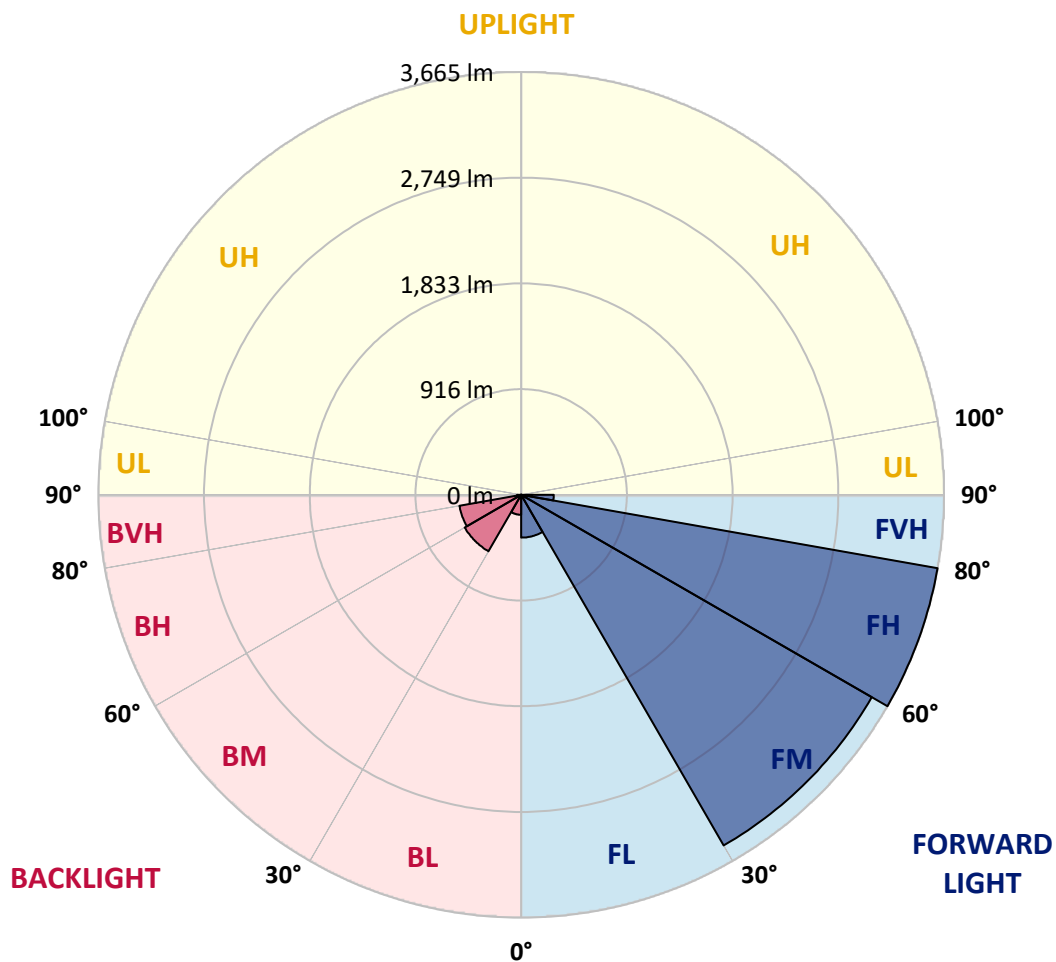
CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	371.2	4.1			
FM	(30°-60°)	3509.2	38.4			
FH	(60°-80°)	3665.0	40.1			G2/5000
FVH	(80°-90°)	282.6	3.1			G3/500
BL	(0°-30°)	173.3	1.9	B1/500		
BM	(30°-60°)	565.1	6.2	B1/1000		
BH	(60°-80°)	543.6	5.9	B2/1000		G2/1000
BVH	(80°-90°)	35.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Medium





REPORT NUMBER: P413786

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	5.0	5.0	6.0	7.0	7.0	6.0	5.0	5.0	5.0	4.0	5.0
5°	341.7	172.4	115.6	54.8	40.8	19.9	8.0	6.0	6.0	5.0	5.0
7.5°	392.5	392.5	393.5	397.5	400.5	402.5	49.8	25.9	10.0	5.0	5.0
10°	378.6	375.6	377.6	381.6	385.6	391.5	398.5	378.6	44.8	8.0	6.0
12.5°	699.4	697.4	673.5	410.5	380.6	380.6	390.5	391.5	307.8	29.9	28.9
15°	674.5	673.5	676.5	683.4	694.4	393.5	399.5	581.8	758.2	534.0	620.7
17.5°	693.4	685.4	667.5	663.5	673.5	632.6	744.2	753.2	770.1	613.7	628.6
20°	951.4	948.4	948.4	799.0	658.5	920.6	873.7	754.2	774.1	887.7	1111.8
22.5°	948.4	943.5	936.5	935.5	1073.0	895.6	909.6	1090.9	1134.8	1301.1	1256.3
25°	1289.2	1276.2	1081.0	942.5	1066.0	1003.2	1215.4	1247.3	1153.7	1349.9	1285.2
27.5°	1399.8	1374.9	1313.1	1203.5	1074.0	1219.4	1213.5	1239.4	1272.2	1845.1	1766.4
30°	1900.9	1783.3	1452.6	1397.8	1284.2	1234.4	1382.8	1473.5	1607.0	1807.2	1840.1
32.5°	2127.0	2084.2	1922.8	1720.6	1500.4	1333.0	1512.3	1489.4	1618.9	2196.8	2359.2
35°	2615.2	2562.4	2120.1	1937.7	1744.5	1633.9	1555.2	1739.5	1898.9	2284.4	2404.0
37.5°	2710.9	2698.9	2596.3	2269.5	2010.5	1796.3	1820.2	1870.0	1973.6	2407.0	2530.5
40°	2785.6	2786.6	2816.5	2534.5	2255.6	2057.3	1985.6	1986.6	2075.2	2608.2	2692.9
42.5°	2982.8	2990.8	3071.5	2770.6	2552.4	2362.2	2237.6	2182.8	2250.6	2839.4	2892.2
45°	3338.5	3320.6	3389.3	3013.7	2775.6	2612.2	2512.6	2428.9	2464.8	3085.4	3146.2
47.5°	3785.8	3748.0	3725.1	3316.6	3018.7	2878.2	2785.6	2697.9	2708.9	3320.6	3437.1
50°	4131.5	4112.6	3994.0	3545.7	3227.9	3146.2	3107.4	2998.8	2951.9	3582.6	3769.9
52.5°	4279.0	4261.0	4114.6	3719.1	3393.3	3402.3	3470.0	3328.5	3197.0	3866.5	4086.7
55°	4253.1	4238.1	4141.5	3804.8	3512.8	3649.3	3826.7	3685.2	3514.8	4134.5	4409.5
57.5°	4061.8	4068.8	4067.8	3810.7	3604.5	3881.5	4175.4	4053.8	3851.6	4400.5	4671.5
60°	3639.4	3676.2	3813.7	3767.9	3721.1	4100.6	4514.1	4457.3	4243.1	4692.4	4913.6
62.5°	2915.1	2987.8	3288.7	3533.8	3814.7	4407.5	4844.9	4851.8	4648.6	4918.6	5100.9
65°	1966.6	1960.7	2409.0	3016.7	3704.1	4889.7	5339.0	5325.1	5024.2	5176.6	5376.9
67.5°	1092.9	1116.8	1410.7	1996.5	3278.7	5188.6	6287.5	5988.6	5542.3	5570.1	5764.4
70°	676.5	705.4	804.0	1115.8	2099.1	4839.9	7505.9	7366.4	6499.7	6092.2	5920.8
72.5°	514.1	530.0	609.7	791.0	1263.3	3500.9	7910.4	8526.1	7591.6	6220.7	5580.1
75°	306.9	325.8	434.4	683.4	1053.1	1812.2	6858.3	8135.5	7938.3	6139.0	4869.8
77.5°	191.3	196.3	234.1	477.2	970.4	1140.7	4698.4	6301.4	6469.8	5199.5	3441.1
80°	146.5	147.4	161.4	254.0	784.1	1080.0	2720.8	4208.2	4124.6	2776.6	1351.9
82.5°	92.7	98.6	125.5	155.4	372.6	1053.1	1608.0	2396.0	2109.1	751.2	376.6
85°	46.8	52.8	88.7	106.6	180.3	1140.7	1140.7	1228.4	863.8	252.1	142.5
87.5°	8.0	8.0	12.0	27.9	35.9	193.3	318.8	278.0	183.3	33.9	27.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P413786

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	5.0	5.0	5.0	4.0	3.0	2.0	1.0	1.0	1.0	2.0	2.0
5°	5.0	5.0	5.0	4.0	3.0	2.0	1.0	1.0	2.0	3.0	3.0
7.5°	5.0	5.0	5.0	4.0	3.0	3.0	2.0	4.0	9.0	116.6	78.7
10°	6.0	6.0	6.0	5.0	4.0	11.0	340.7	359.7	360.6	358.7	354.7
12.5°	31.9	34.9	25.9	9.0	36.9	341.7	327.8	311.8	305.9	298.9	298.9
15°	629.6	621.7	586.8	432.4	265.0	304.9	274.0	253.1	392.5	387.5	391.5
17.5°	631.6	617.7	567.9	618.7	573.9	274.0	310.8	337.7	318.8	311.8	314.8
20°	1198.5	1133.8	575.8	576.8	492.2	486.2	264.0	249.1	252.1	258.0	260.0
22.5°	1220.4	1145.7	883.7	747.2	422.4	389.5	270.0	216.2	319.8	355.7	359.7
25°	1230.4	1136.7	834.9	661.5	477.2	291.9	261.0	237.1	291.9	327.8	329.8
27.5°	1739.5	1576.1	1140.7	561.9	368.6	256.0	244.1	223.2	262.0	324.8	325.8
30°	1724.5	1532.3	1057.0	544.0	284.9	236.1	211.2	233.1	247.1	264.0	264.0
32.5°	2242.6	1966.6	1172.6	438.4	239.1	196.3	199.3	212.2	213.2	252.1	255.0
35°	2243.6	1923.8	1010.2	400.5	205.2	179.3	182.3	196.3	217.2	242.1	246.1
37.5°	2278.5	1904.9	870.7	311.8	205.2	179.3	173.4	187.3	202.2	237.1	241.1
40°	2352.2	1912.8	738.2	259.0	198.3	176.3	171.4	182.3	200.3	220.2	222.2
42.5°	2477.7	1957.7	612.7	234.1	193.3	176.3	164.4	172.4	182.3	223.2	227.1
45°	2677.0	2053.3	516.1	224.2	191.3	169.4	156.4	158.4	165.4	264.0	275.0
47.5°	2910.1	2185.8	432.4	219.2	188.3	162.4	144.5	146.5	162.4	299.9	314.8
50°	3179.1	2382.1	382.6	218.2	185.3	152.4	135.5	146.5	179.3	298.9	305.9
52.5°	3494.9	2581.3	355.7	222.2	183.3	143.5	140.5	164.4	170.4	240.1	240.1
55°	3778.9	2802.5	357.7	225.2	177.3	143.5	144.5	139.5	134.5	165.4	166.4
57.5°	4057.8	3022.7	390.5	219.2	168.4	144.5	124.5	114.6	116.6	140.5	143.5
60°	4299.9	3234.9	489.2	206.2	160.4	130.5	115.6	107.6	109.6	141.5	144.5
62.5°	4560.9	3493.9	677.5	211.2	159.4	123.5	107.6	98.6	102.6	117.6	119.6
65°	4913.6	3855.6	846.8	249.1	165.4	119.6	98.6	93.6	94.6	95.6	95.6
67.5°	5259.3	4078.7	816.9	293.9	185.3	117.6	93.6	87.7	86.7	86.7	86.7
70°	5225.4	3836.6	647.6	311.8	201.2	117.6	89.7	81.7	79.7	79.7	79.7
72.5°	4736.3	3281.7	497.1	288.9	185.3	112.6	83.7	74.7	71.7	71.7	71.7
75°	4029.9	2632.1	417.4	251.1	151.4	96.6	73.7	66.8	64.8	64.8	63.8
77.5°	2574.4	1556.2	354.7	204.2	116.6	78.7	63.8	57.8	57.8	57.8	54.8
80°	1033.1	684.4	276.0	161.4	90.7	62.8	52.8	49.8	48.8	47.8	44.8
82.5°	392.5	337.7	179.3	117.6	69.7	47.8	42.8	39.9	39.9	38.9	33.9
85°	140.5	131.5	82.7	67.7	42.8	29.9	32.9	29.9	28.9	25.9	21.9
87.5°	29.9	32.9	22.9	14.9	14.9	9.0	11.0	12.0	12.0	11.0	6.0
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)