

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: P415881

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415881
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-730-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5022 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

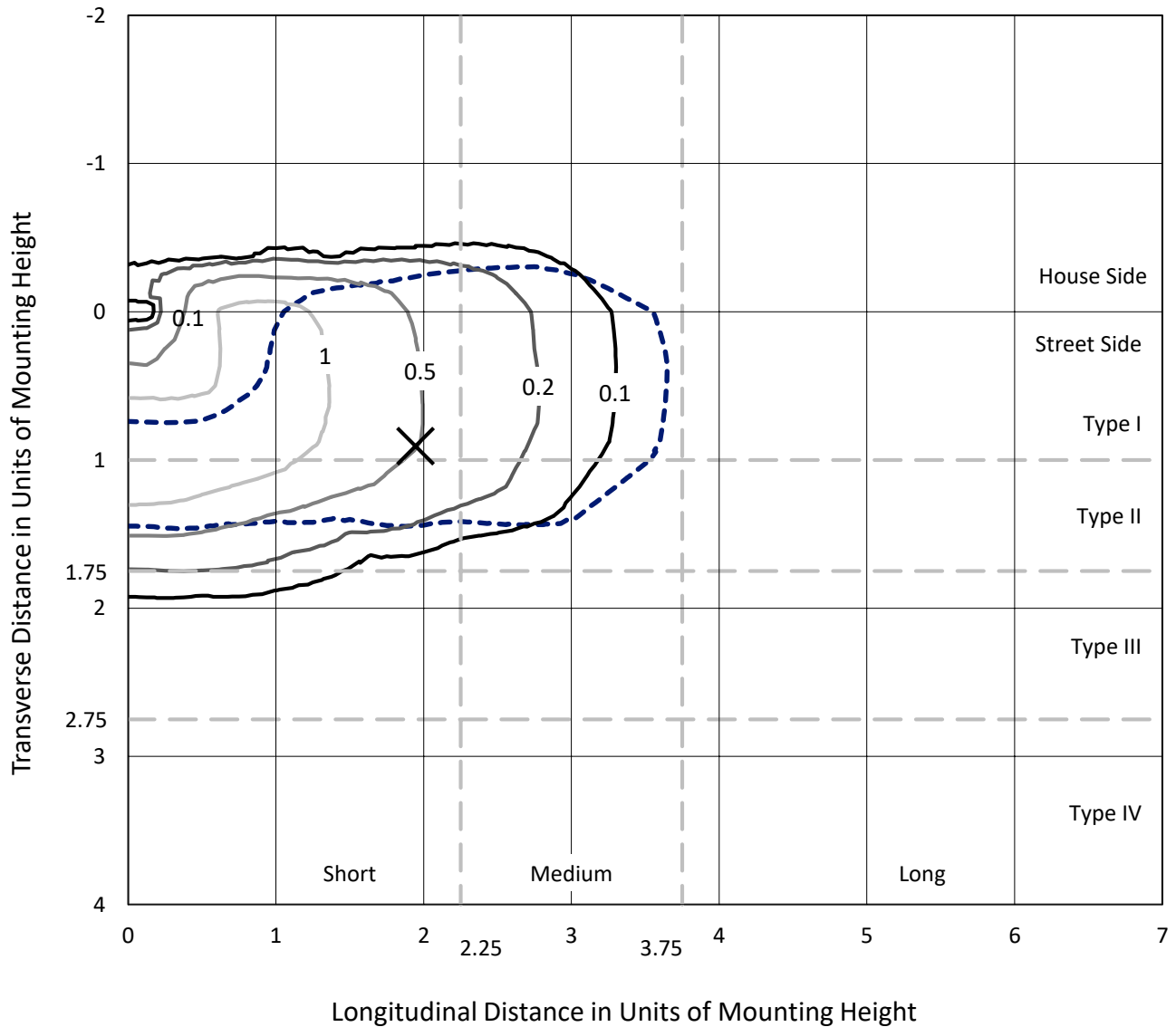
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415881
 CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

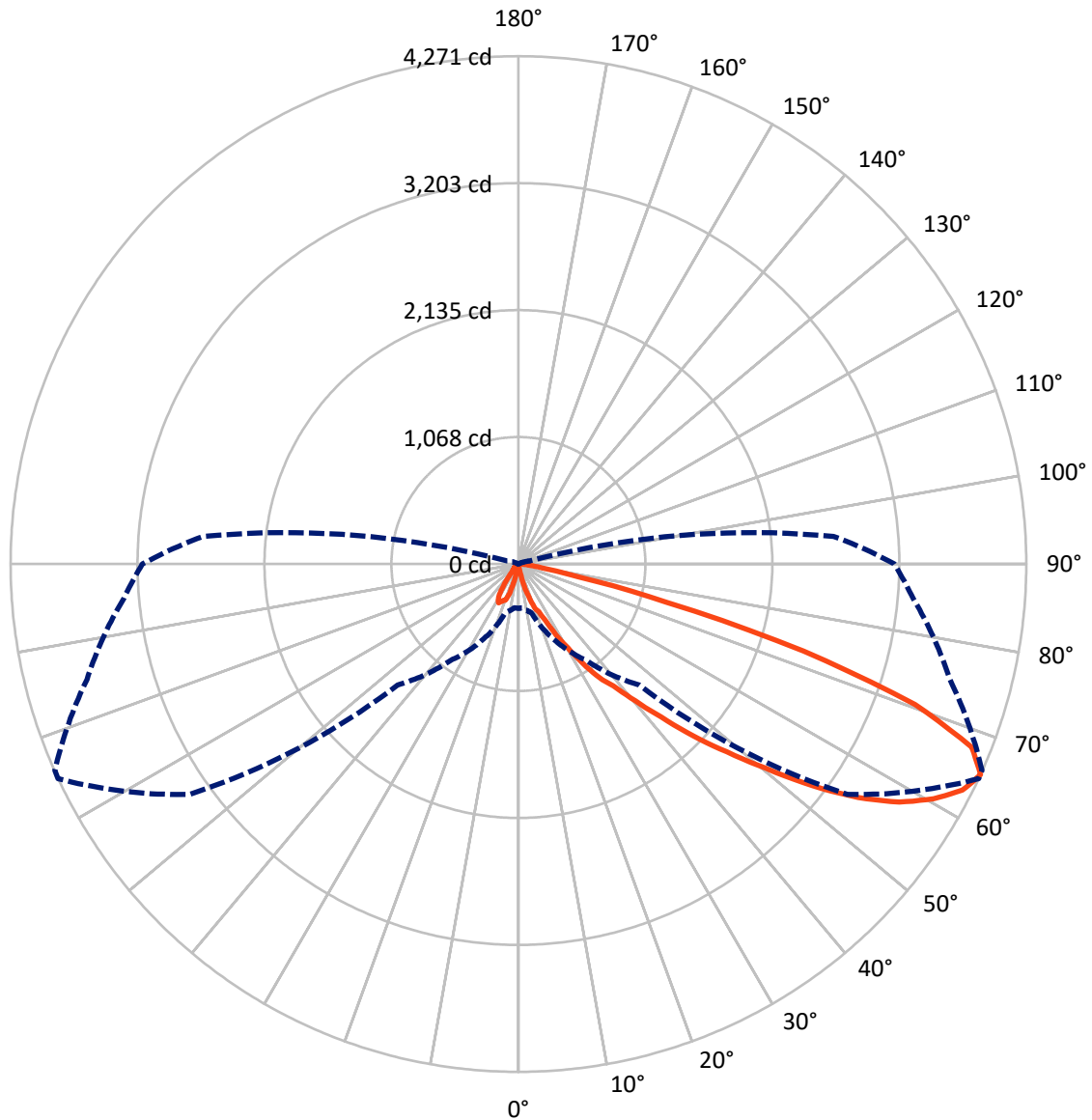
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Short - Full Cutoff

REPORT NUMBER: P415881
CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2U-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P415881

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2U-HSS

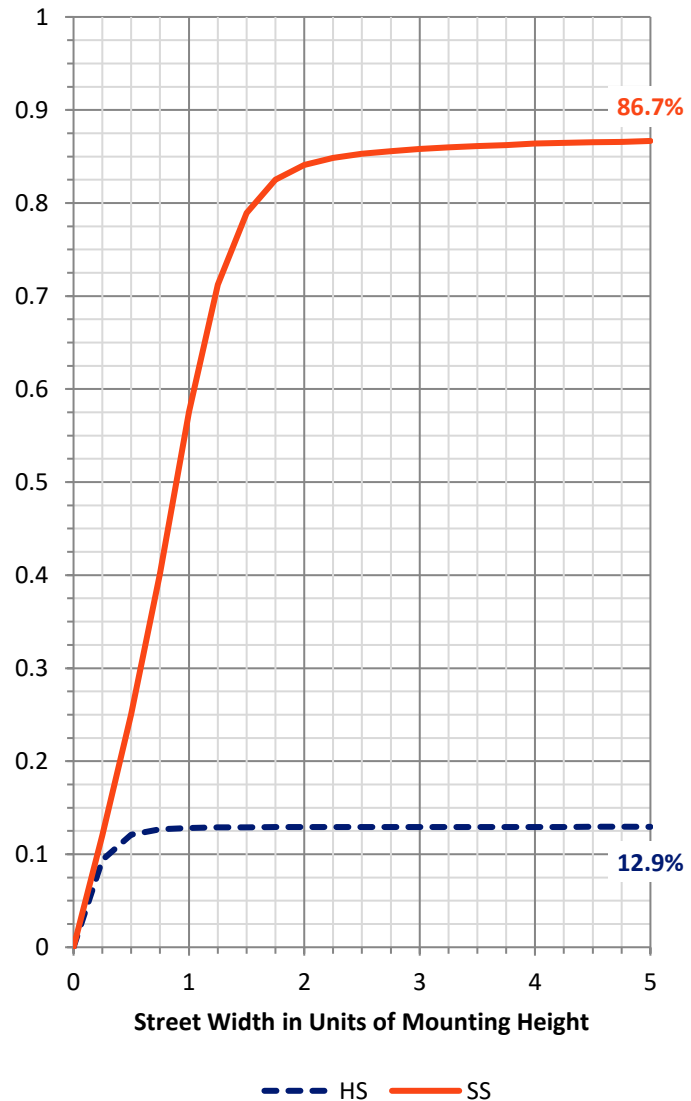
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	658.9	0.0	658.9
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	4363.0	0.0	4363.0
	% Fixture	86.9	0.0	86.9
Total	Lumens	5022.0	0.0	5022.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	52.2	1.0
20°-30°	177.1	3.5
30°-40°	498.3	9.9
40°-50°	1105.6	22.0
50°-60°	1482.5	29.5
60°-70°	1181.0	23.5
70°-80°	486.5	9.7
80°-90°	34.8	0.7
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°	5022.0	100.0
0°-180°	5022.0	100.0



REPORT NUMBER: P415881

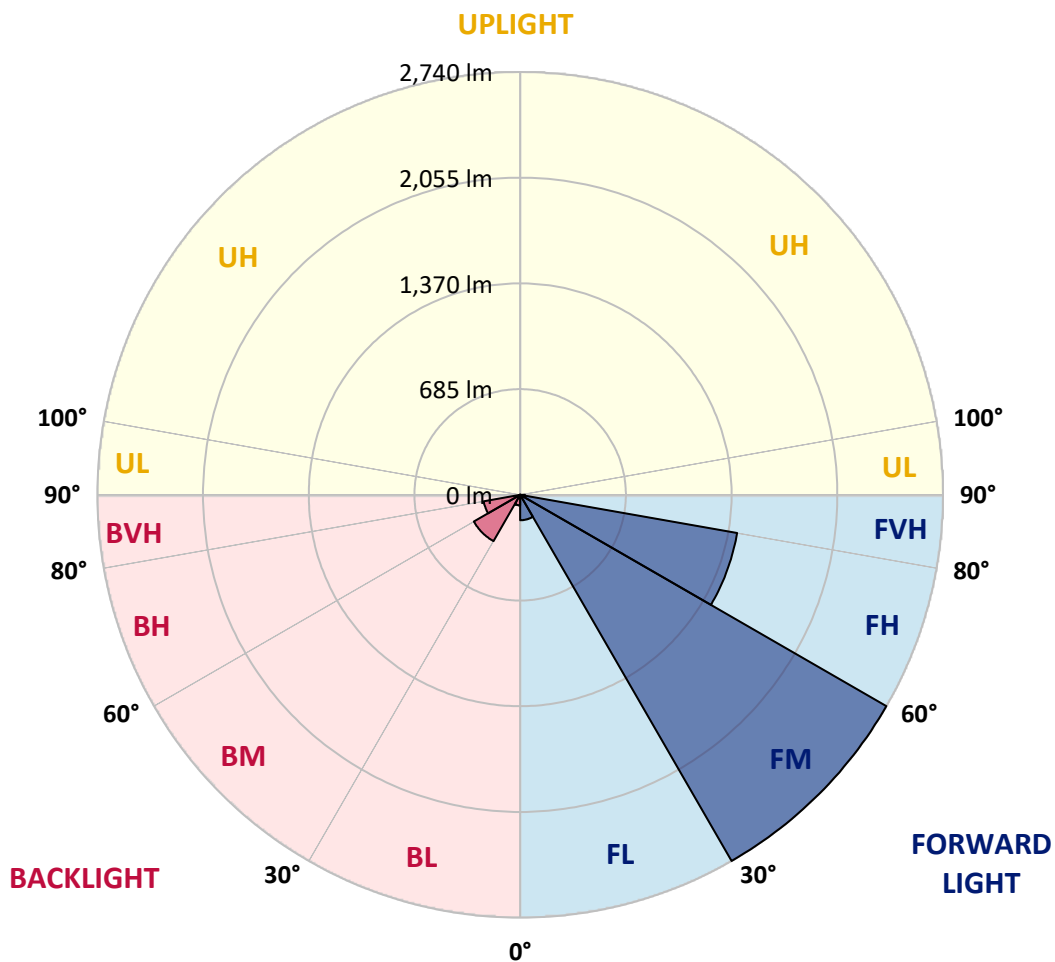
CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	164.7	3.3			
FM	(30°-60°)	2739.8	54.6			
FH	(60°-80°)	1427.5	28.4			G1/1800
FVH	(80°-90°)	31.0	0.6			G1/100
BL	(0°-30°)	68.5	1.4	B0/110		
BM	(30°-60°)	346.5	6.9	B1/1000		
BH	(60°-80°)	240.0	4.8	B1/500		G1/500
BVH	(80°-90°)	3.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P415881

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	0.7	0.7	0.7	2.2	2.2	2.2	2.2	1.5	1.5	1.5	1.5
5°	21.5	20.1	14.9	8.2	4.5	3.0	2.2	1.5	1.5	1.5	1.5
7.5°	150.1	149.3	149.3	150.8	151.5	54.2	5.2	2.2	2.2	1.5	1.5
10°	144.1	143.4	143.4	145.6	147.8	148.6	142.6	3.7	3.0	1.5	1.5
12.5°	268.9	264.5	168.6	147.8	144.1	145.6	146.3	126.3	58.7	90.6	112.2
15°	269.7	267.4	269.7	273.4	218.4	152.3	222.1	216.9	216.9	159.7	219.1
17.5°	272.6	269.7	271.1	276.3	268.2	315.0	297.1	307.5	307.5	227.3	242.2
20°	402.6	401.9	407.8	298.6	333.5	390.7	323.9	397.4	404.9	338.0	349.9
22.5°	410.8	410.1	419.7	418.2	409.3	419.7	473.9	435.3	437.5	511.1	462.1
25°	572.0	558.6	453.1	445.0	537.8	498.5	568.3	524.5	520.0	618.1	586.1
27.5°	654.5	648.5	655.2	635.1	569.8	611.4	615.1	675.3	644.8	707.9	722.1
30°	795.6	799.3	765.9	732.5	746.6	709.4	739.9	820.9	817.1	802.3	910.7
32.5°	1270.3	1231.7	1166.3	907.8	850.6	823.8	908.5	999.9	962.7	1017.7	1126.2
35°	1681.1	1594.9	1486.5	1302.2	1056.3	985.0	1088.3	1178.2	1155.1	1265.8	1259.1
37.5°	2366.0	2325.9	2137.9	1667.7	1422.6	1228.7	1278.5	1300.0	1326.7	1453.0	1450.1
40°	2770.9	2724.8	2591.8	2219.7	1795.5	1524.3	1502.8	1513.9	1522.9	1649.9	1658.8
42.5°	3111.1	3090.3	2961.0	2604.5	2257.5	2003.5	1802.2	1758.3	1774.7	1903.2	1886.1
45°	3342.1	3317.6	3201.0	2952.1	2664.6	2533.9	2149.8	2064.4	2068.9	2140.2	2126.8
47.5°	3392.6	3363.7	3311.7	3173.5	3076.2	2969.9	2585.1	2360.1	2410.6	2414.3	2369.0
50°	3212.9	3177.2	3221.0	3188.3	3336.9	3390.4	3025.7	2704.7	2791.7	2712.2	2586.6
52.5°	2767.9	2779.0	2914.2	3013.0	3346.6	3684.6	3498.9	3099.9	3158.6	2958.1	2792.4
55°	2198.1	2225.6	2449.2	2630.5	3119.3	3767.0	3841.3	3466.2	3489.2	3219.5	2958.8
57.5°	1618.7	1655.8	1930.7	2132.7	2678.7	3589.5	4009.2	3777.4	3822.7	3408.2	3074.7
60°	996.2	1030.3	1341.6	1649.1	2056.2	3079.1	4031.5	4010.7	4062.7	3541.2	3191.3
62.5°	606.9	635.9	771.8	1145.5	1477.5	2327.4	3845.8	4189.7	4215.7	3675.7	3275.3
65°	373.7	368.5	423.4	696.1	985.8	1438.9	3376.3	4270.7	4267.7	3756.6	3331.7
67.5°	247.4	251.8	272.6	382.6	671.5	777.8	2421.0	4111.7	4096.9	3796.0	3309.4
70°	219.1	220.6	241.4	271.1	483.6	453.1	1222.0	3539.7	3518.9	3689.8	3170.5
72.5°	171.6	176.8	211.0	245.9	349.1	332.1	460.6	2507.1	2533.9	3136.3	2790.2
75°	121.8	125.5	159.7	214.7	260.7	254.1	260.0	1292.6	1371.3	2082.2	2044.3
77.5°	76.5	79.5	103.3	159.0	221.4	187.2	182.0	507.4	568.3	1018.5	1022.9
80°	52.7	53.5	63.9	107.0	159.0	153.8	123.3	202.8	205.0	369.2	354.3
82.5°	31.2	31.2	42.3	66.1	97.3	125.5	79.5	101.8	105.5	136.7	78.0
85°	11.1	11.9	23.0	37.9	54.2	66.1	47.5	55.7	57.9	70.6	37.1
87.5°	0.7	1.5	7.4	11.9	14.9	13.4	15.6	17.1	19.3	23.0	13.4
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: P415881

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.5	1.5	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7
5°	1.5	1.5	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7
7.5°	1.5	1.5	2.2	2.2	2.2	1.5	20.8	115.9	121.1	124.8	125.5
10°	4.5	3.0	2.2	2.2	2.2	120.3	124.8	121.8	119.6	117.4	118.1
12.5°	113.7	113.7	103.3	66.9	112.2	123.3	116.6	109.2	103.3	96.6	97.3
15°	218.4	216.9	191.7	164.9	188.7	121.1	100.3	133.0	113.7	100.3	98.1
17.5°	242.9	235.5	205.8	263.0	234.0	138.2	115.9	78.7	56.5	51.3	50.5
20°	349.9	340.2	300.1	318.7	213.9	159.7	69.8	44.6	40.1	48.3	49.8
22.5°	450.2	436.8	375.1	329.8	240.7	98.1	49.0	49.0	48.3	46.8	46.1
25°	578.7	554.9	502.9	345.4	190.9	64.6	53.5	43.8	39.4	36.4	36.4
27.5°	710.9	679.0	576.5	367.7	125.5	60.2	47.5	37.1	39.4	37.9	37.9
30°	904.1	860.2	671.5	343.9	81.7	55.7	40.1	36.4	31.9	30.5	29.7
32.5°	1103.9	1023.7	765.1	299.4	64.6	47.5	37.1	29.7	29.0	29.7	29.7
35°	1231.7	1156.6	866.2	217.7	56.5	41.6	30.5	27.5	25.3	24.5	24.5
37.5°	1384.7	1291.8	875.1	141.1	49.0	34.2	26.0	23.0	23.0	23.8	23.8
40°	1568.2	1466.4	839.4	86.9	42.3	28.2	22.3	20.8	20.1	20.1	20.1
42.5°	1773.9	1645.4	789.7	65.4	35.7	23.8	18.6	17.8	17.1	17.1	17.1
45°	1993.8	1825.9	721.3	54.2	29.7	20.1	15.6	14.9	14.9	14.1	14.1
47.5°	2221.9	2019.1	618.1	47.5	24.5	16.3	13.4	12.6	11.9	11.9	11.9
50°	2417.3	2195.9	491.8	40.9	20.8	14.1	10.4	9.7	9.7	8.9	8.9
52.5°	2594.8	2345.9	390.0	34.9	17.1	11.1	8.2	7.4	7.4	6.7	6.7
55°	2731.5	2457.4	291.2	29.0	14.1	8.9	5.9	5.2	5.2	4.5	5.2
57.5°	2846.6	2525.7	220.6	23.8	11.9	6.7	4.5	3.7	3.0	3.0	3.0
60°	2955.8	2580.7	162.7	18.6	9.7	5.2	3.0	2.2	1.5	1.5	1.5
62.5°	3073.2	2629.7	128.5	14.9	8.2	3.7	1.5	1.5	0.0	0.0	0.0
65°	3161.6	2660.2	99.5	11.9	6.7	2.2	1.5	0.7	0.0	0.0	0.0
67.5°	3164.6	2621.5	78.0	9.7	5.9	2.2	0.7	0.0	0.0	0.0	0.0
70°	3050.9	2457.4	57.9	8.9	5.2	2.2	1.5	0.7	0.0	0.0	0.0
72.5°	2643.8	1929.2	41.6	7.4	4.5	2.2	1.5	0.7	0.7	0.0	0.0
75°	1912.1	1140.3	29.0	6.7	4.5	2.2	2.2	1.5	1.5	1.5	0.0
77.5°	980.6	473.9	19.3	5.9	3.7	1.5	3.0	2.2	2.2	2.2	0.7
80°	287.5	163.4	11.9	5.2	3.7	1.5	3.0	3.0	3.0	3.0	0.7
82.5°	55.0	31.9	7.4	5.2	3.7	1.5	3.0	3.0	3.0	3.7	0.0
85°	21.5	12.6	5.2	4.5	3.7	1.5	3.0	3.0	3.7	3.7	0.0
87.5°	7.4	5.9	4.5	3.7	3.7	1.5	3.0	3.0	3.0	3.7	0.7
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)