

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: P416505

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416505
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-PA1-70-827-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA 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: 4546 lumens
Efficiency: N/A
Efficacy: 61.4 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

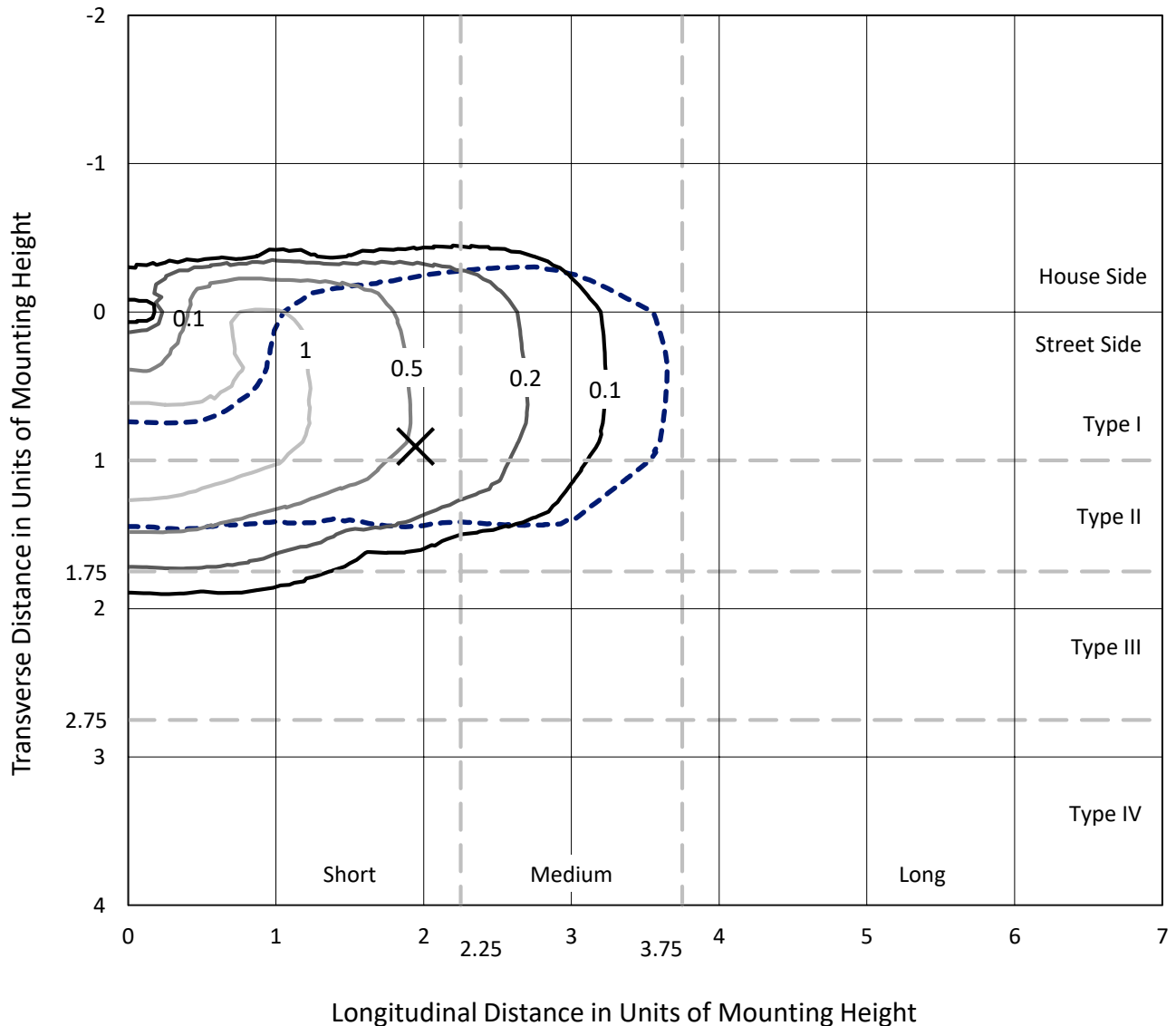
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416505
 CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

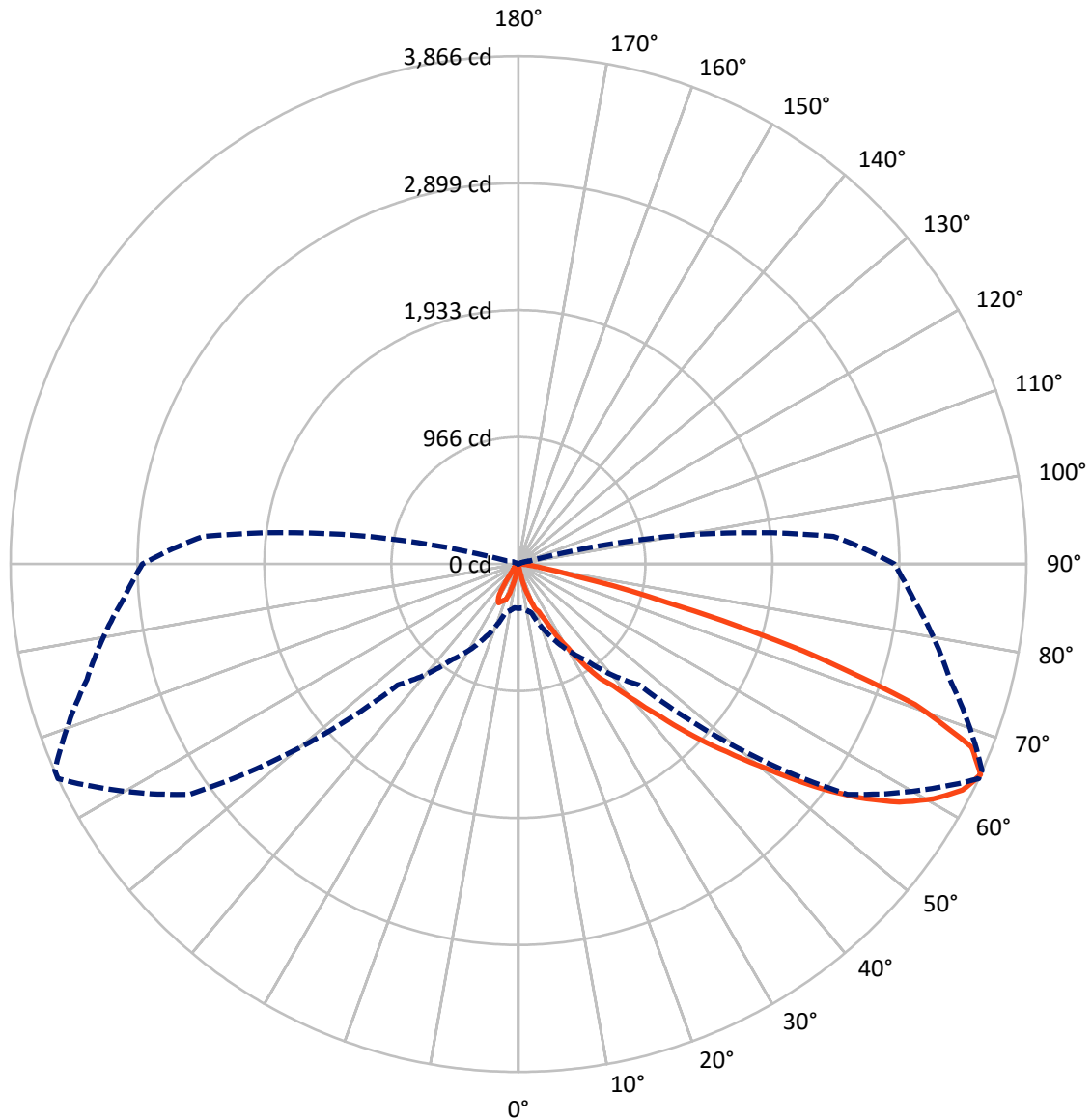
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Short - Full Cutoff

REPORT NUMBER: P416505
CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T2U-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P416505

CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T2U-HSS

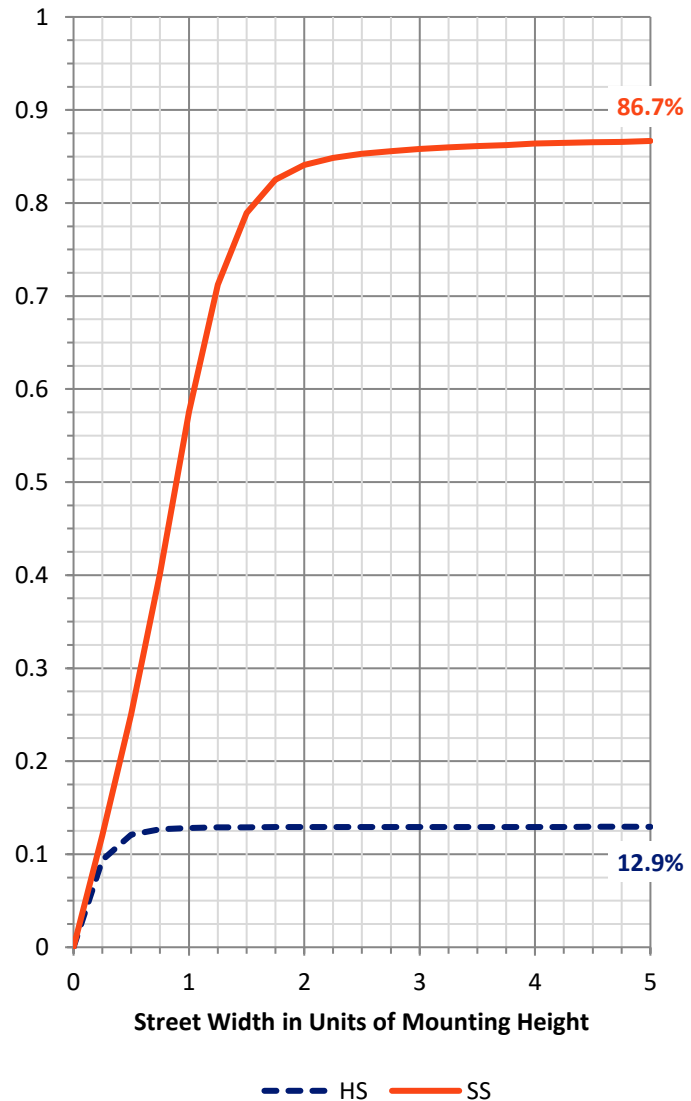
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	596.5	0.0	596.5
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	3949.5	0.0	3949.5
	% Fixture	86.9	0.0	86.9
Total	Lumens	4546.0	0.0	4546.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	47.2	1.0
20°-30°	160.3	3.5
30°-40°	451.1	9.9
40°-50°	1000.8	22.0
50°-60°	1342.0	29.5
60°-70°	1069.1	23.5
70°-80°	440.4	9.7
80°-90°	31.5	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°	4546.0	100.0
0°-180°	4546.0	100.0



REPORT NUMBER: P416505

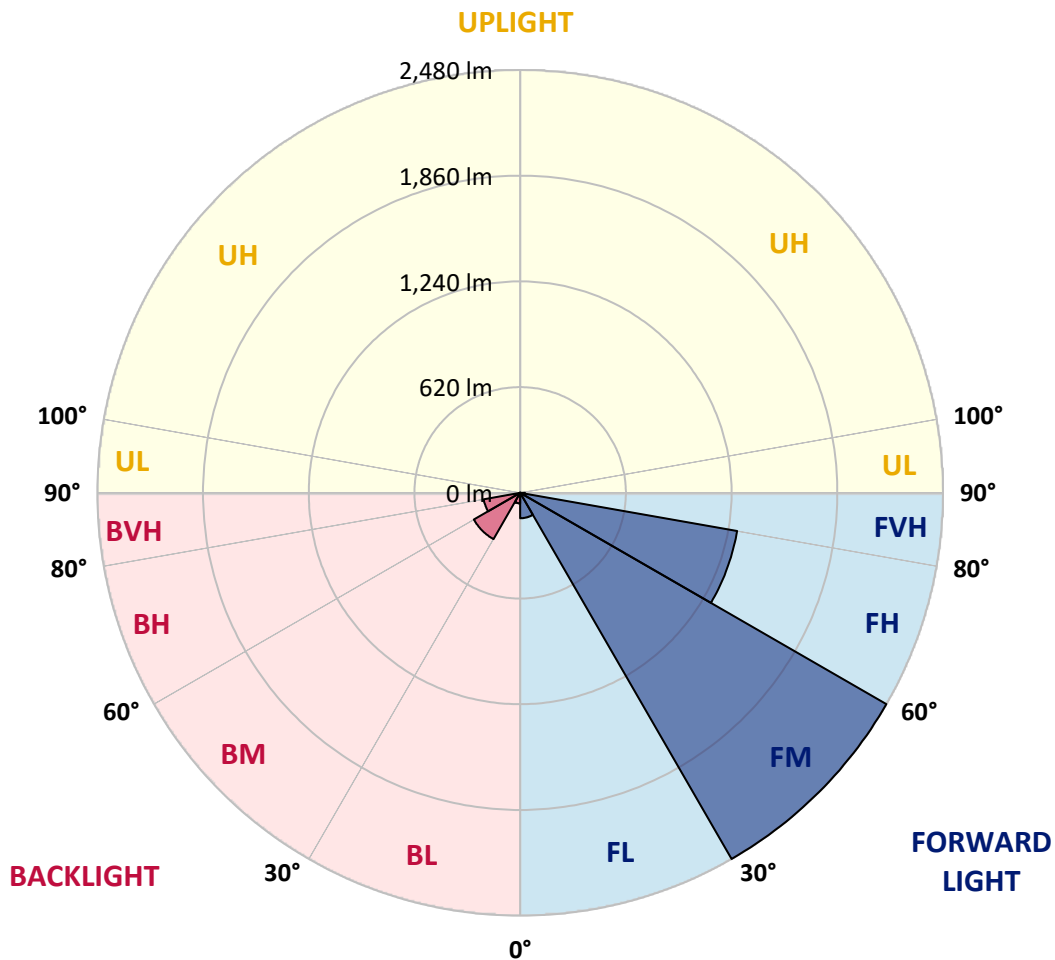
CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	149.1	3.3			
FM	(30°-60°)	2480.1	54.6			
FH	(60°-80°)	1292.2	28.4			G1/1800
FVH	(80°-90°)	28.0	0.6			G1/100
BL	(0°-30°)	62.1	1.4	B0/110		
BM	(30°-60°)	313.7	6.9	B1/1000		
BH	(60°-80°)	217.3	4.8	B1/500		G1/500
BVH	(80°-90°)	3.5	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: P416505

CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	0.7	0.7	0.7	2.0	2.0	2.0	2.0	1.3	1.3	1.3	1.3
5°	19.5	18.2	13.4	7.4	4.0	2.7	2.0	1.3	1.3	1.3	1.3
7.5°	135.8	135.2	135.2	136.5	137.2	49.1	4.7	2.0	2.0	1.3	1.3
10°	130.5	129.8	129.8	131.8	133.8	134.5	129.1	3.4	2.7	1.3	1.3
12.5°	243.4	239.4	152.6	133.8	130.5	131.8	132.5	114.3	53.1	82.0	101.5
15°	244.1	242.1	244.1	247.5	197.7	137.9	201.1	196.4	196.4	144.6	198.4
17.5°	246.8	244.1	245.4	250.2	242.8	285.1	269.0	278.4	278.4	205.8	219.2
20°	364.5	363.8	369.2	270.3	301.9	353.7	293.2	359.8	366.5	306.0	316.7
22.5°	371.9	371.2	379.9	378.6	370.5	379.9	429.0	394.1	396.1	462.6	418.3
25°	517.8	505.7	410.2	402.8	486.9	451.2	514.4	474.7	470.7	559.5	530.6
27.5°	592.4	587.0	593.1	574.9	515.8	553.4	556.8	611.3	583.7	640.8	653.6
30°	720.2	723.6	693.3	663.0	675.8	642.2	669.8	743.1	739.7	726.2	824.4
32.5°	1149.9	1114.9	1055.7	821.7	770.0	745.7	822.4	905.1	871.5	921.3	1019.4
35°	1521.7	1443.7	1345.6	1178.8	956.2	891.7	985.1	1066.5	1045.7	1145.9	1139.8
37.5°	2141.7	2105.4	1935.3	1509.6	1287.7	1112.2	1157.3	1176.8	1201.0	1315.3	1312.6
40°	2508.2	2466.5	2346.2	2009.3	1625.3	1379.9	1360.4	1370.4	1378.5	1493.5	1501.6
42.5°	2816.2	2797.4	2680.4	2357.6	2043.6	1813.6	1631.4	1591.7	1606.5	1722.8	1707.3
45°	3025.3	3003.2	2897.6	2672.3	2412.1	2293.7	1946.1	1868.7	1872.8	1937.3	1925.2
47.5°	3071.1	3044.8	2997.8	2872.7	2784.6	2688.4	2340.1	2136.4	2182.1	2185.5	2144.4
50°	2908.3	2876.1	2915.7	2886.1	3020.6	3069.1	2738.9	2448.4	2527.1	2455.1	2341.5
52.5°	2505.5	2515.6	2638.0	2727.4	3029.4	3335.3	3167.2	2806.1	2859.2	2677.7	2527.7
55°	1989.8	2014.7	2217.1	2381.1	2823.6	3410.0	3477.2	3137.6	3158.5	2914.4	2678.4
57.5°	1465.3	1498.9	1747.7	1930.6	2424.8	3249.3	3629.2	3419.4	3460.4	3085.2	2783.3
60°	901.8	932.7	1214.4	1492.8	1861.3	2787.3	3649.4	3630.5	3677.6	3205.6	2888.8
62.5°	549.4	575.6	698.7	1036.9	1337.5	2106.8	3481.3	3792.6	3816.1	3327.3	2964.8
65°	338.2	333.5	383.3	630.1	892.3	1302.5	3056.3	3865.9	3863.2	3400.6	3015.9
67.5°	223.9	228.0	246.8	346.3	607.9	704.1	2191.5	3722.0	3708.5	3436.2	2995.8
70°	198.4	199.7	218.5	245.4	437.8	410.2	1106.2	3204.2	3185.4	3340.0	2870.0
72.5°	155.3	160.0	191.0	222.6	316.1	300.6	416.9	2269.5	2293.7	2839.1	2525.7
75°	110.3	113.6	144.6	194.3	236.0	230.0	235.4	1170.1	1241.3	1884.9	1850.6
77.5°	69.3	72.0	93.5	143.9	200.4	169.5	164.7	459.3	514.4	921.9	926.0
80°	47.7	48.4	57.8	96.8	143.9	139.2	111.6	183.6	185.6	334.2	320.8
82.5°	28.2	28.2	38.3	59.8	88.1	113.6	72.0	92.1	95.5	123.7	70.6
85°	10.1	10.8	20.8	34.3	49.1	59.8	43.0	50.4	52.5	63.9	33.6
87.5°	0.7	1.3	6.7	10.8	13.4	12.1	14.1	15.5	17.5	20.8	12.1
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: P416505

CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.3	1.3	2.0	2.0	2.0	1.3	0.7	0.7	0.7	0.7	0.7
5°	1.3	1.3	2.0	2.0	2.0	1.3	0.7	0.7	0.7	0.7	0.7
7.5°	1.3	1.3	2.0	2.0	2.0	1.3	18.8	104.9	109.6	113.0	113.6
10°	4.0	2.7	2.0	2.0	2.0	108.9	113.0	110.3	108.3	106.2	106.9
12.5°	102.9	102.9	93.5	60.5	101.5	111.6	105.6	98.8	93.5	87.4	88.1
15°	197.7	196.4	173.5	149.3	170.8	109.6	90.8	120.4	102.9	90.8	88.8
17.5°	219.9	213.2	186.3	238.0	211.8	125.1	104.9	71.3	51.1	46.4	45.7
20°	316.7	308.0	271.7	288.5	193.7	144.6	63.2	40.3	36.3	43.7	45.1
22.5°	407.5	395.4	339.6	298.6	217.9	88.8	44.4	44.4	43.7	42.4	41.7
25°	523.8	502.3	455.2	312.7	172.8	58.5	48.4	39.7	35.6	32.9	32.9
27.5°	643.5	614.6	521.8	332.9	113.6	54.5	43.0	33.6	35.6	34.3	34.3
30°	818.4	778.7	607.9	311.3	74.0	50.4	36.3	32.9	28.9	27.6	26.9
32.5°	999.3	926.6	692.6	271.0	58.5	43.0	33.6	26.9	26.2	26.9	26.9
35°	1114.9	1047.0	784.1	197.0	51.1	37.7	27.6	24.9	22.9	22.2	22.2
37.5°	1253.4	1169.4	792.1	127.8	44.4	30.9	23.5	20.8	20.8	21.5	21.5
40°	1419.5	1327.4	759.9	78.7	38.3	25.6	20.2	18.8	18.2	18.2	18.2
42.5°	1605.8	1489.5	714.8	59.2	32.3	21.5	16.8	16.1	15.5	15.5	15.5
45°	1804.9	1652.9	652.9	49.1	26.9	18.2	14.1	13.4	13.4	12.8	12.8
47.5°	2011.3	1827.7	559.5	43.0	22.2	14.8	12.1	11.4	10.8	10.8	10.8
50°	2188.1	1987.8	445.2	37.0	18.8	12.8	9.4	8.7	8.7	8.1	8.1
52.5°	2348.9	2123.6	353.0	31.6	15.5	10.1	7.4	6.7	6.7	6.1	6.1
55°	2472.6	2224.5	263.6	26.2	12.8	8.1	5.4	4.7	4.7	4.0	4.7
57.5°	2576.8	2286.3	199.7	21.5	10.8	6.1	4.0	3.4	2.7	2.7	2.7
60°	2675.7	2336.1	147.3	16.8	8.7	4.7	2.7	2.0	1.3	1.3	1.3
62.5°	2781.9	2380.5	116.3	13.4	7.4	3.4	1.3	1.3	0.0	0.0	0.0
65°	2861.9	2408.0	90.1	10.8	6.1	2.0	1.3	0.7	0.0	0.0	0.0
67.5°	2864.6	2373.1	70.6	8.7	5.4	2.0	0.7	0.0	0.0	0.0	0.0
70°	2761.7	2224.5	52.5	8.1	4.7	2.0	1.3	0.7	0.0	0.0	0.0
72.5°	2393.2	1746.3	37.7	6.7	4.0	2.0	1.3	0.7	0.7	0.0	0.0
75°	1730.9	1032.2	26.2	6.1	4.0	2.0	2.0	1.3	1.3	1.3	0.0
77.5°	887.6	429.0	17.5	5.4	3.4	1.3	2.7	2.0	2.0	2.0	0.7
80°	260.2	147.9	10.8	4.7	3.4	1.3	2.7	2.7	2.7	2.7	0.7
82.5°	49.8	28.9	6.7	4.7	3.4	1.3	2.7	2.7	2.7	3.4	0.0
85°	19.5	11.4	4.7	4.0	3.4	1.3	2.7	2.7	3.4	3.4	0.0
87.5°	6.7	5.4	4.0	3.4	3.4	1.3	2.7	2.7	2.7	3.4	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)