

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: P416921

Luminaire Tested: **LXF.LXT-PA1-80-827-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416921
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-PA1-80-827-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA 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: 4969 lumens
Efficiency: N/A
Efficacy: 59.9 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

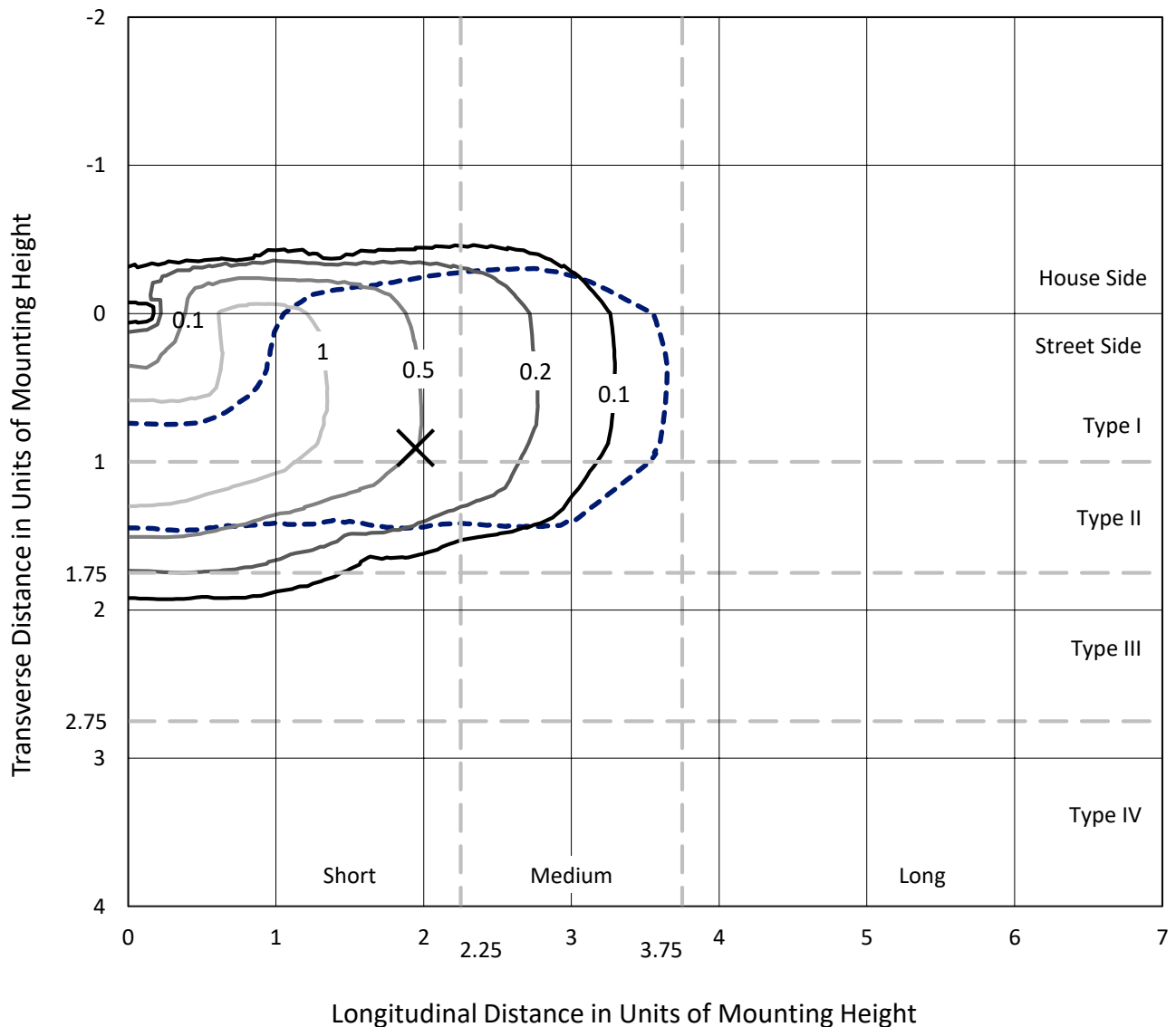
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

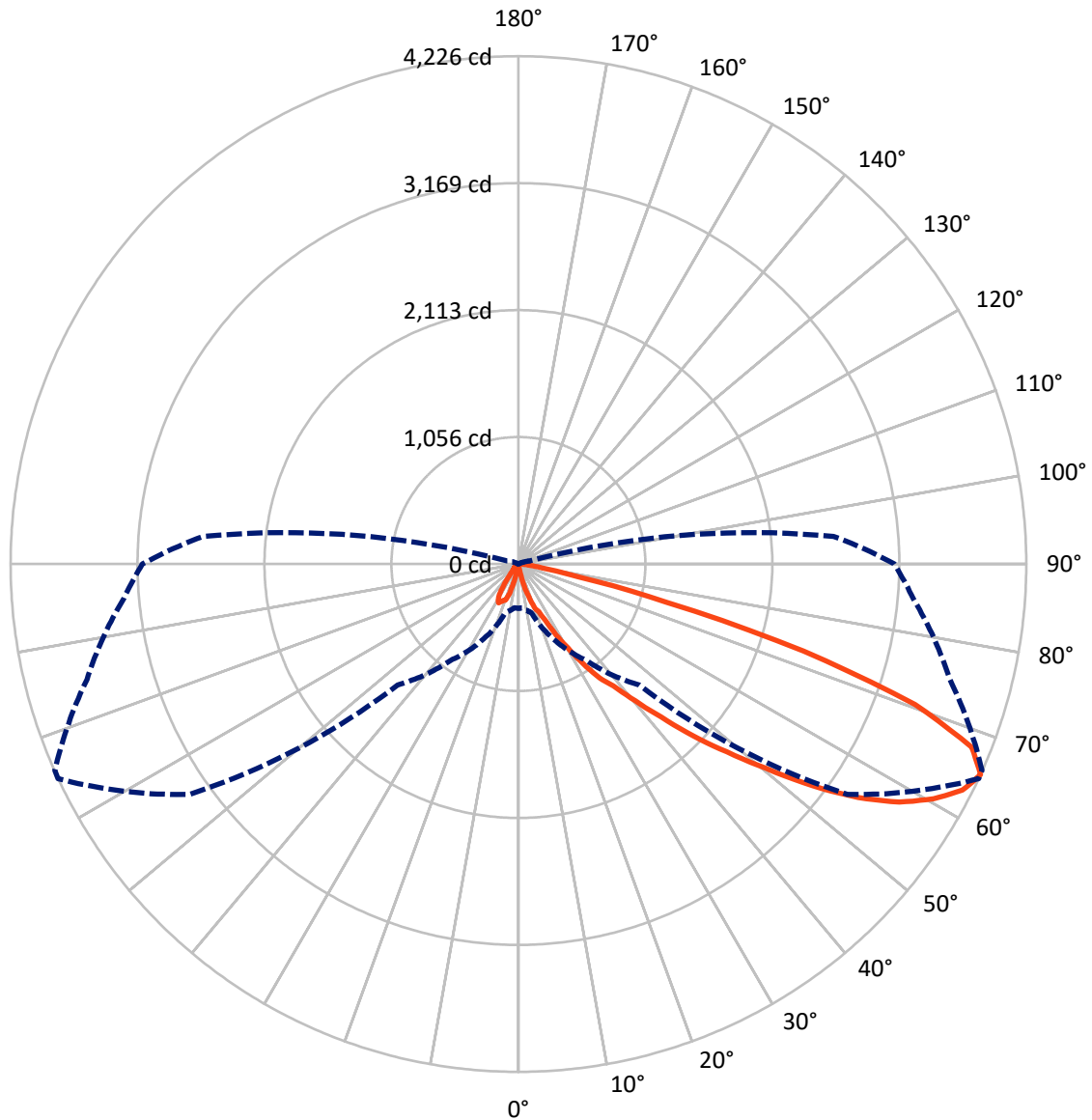
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Short - Full 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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CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T2U-HSS

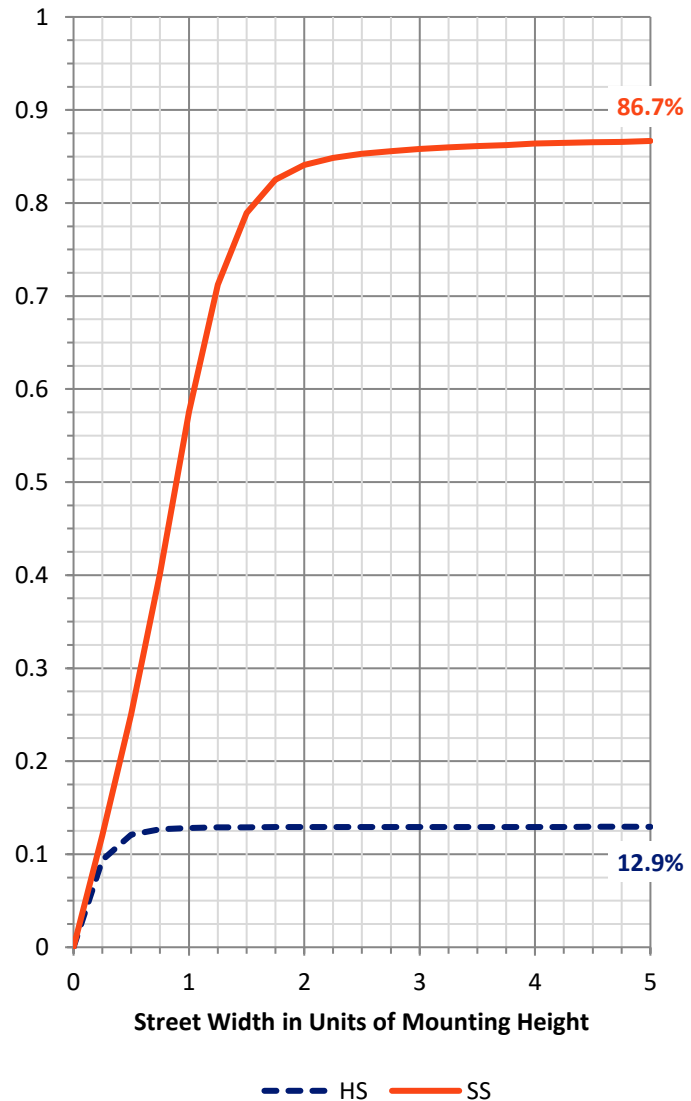
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	652.0	0.0	652.0
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	4317.0	0.0	4317.0
	% Fixture	86.9	0.0	86.9
Total	Lumens	4969.0	0.0	4969.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	51.6	1.0
20°-30°	175.3	3.5
30°-40°	493.0	9.9
40°-50°	1093.9	22.0
50°-60°	1466.8	29.5
60°-70°	1168.6	23.5
70°-80°	481.4	9.7
80°-90°	34.5	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°	4969.0	100.0
0°-180°	4969.0	100.0



REPORT NUMBER: P416921

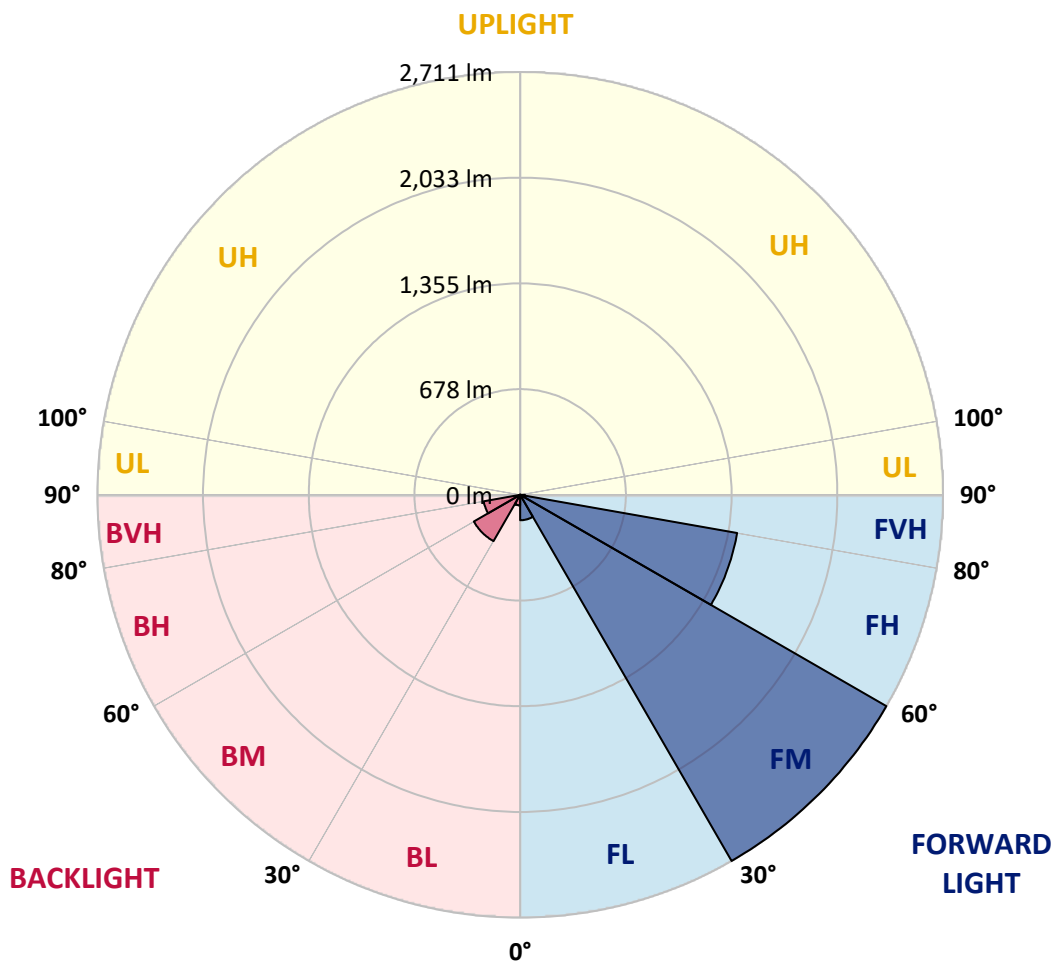
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	163.0	3.3			
FM (30°-60°)	2710.9	54.6			
FH (60°-80°)	1412.5	28.4			G1/1800
FVH (80°-90°)	30.7	0.6			G1/100
BL (0°-30°)	67.8	1.4	B0/110		
BM (30°-60°)	342.9	6.9	B1/1000		
BH (60°-80°)	237.5	4.8	B1/500		G1/500
BVH (80°-90°)	3.8	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: P416921

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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°	21.3	19.8	14.7	8.1	4.4	2.9	2.2	1.5	1.5	1.5	1.5
7.5°	148.5	147.7	147.7	149.2	149.9	53.7	5.1	2.2	2.2	1.5	1.5
10°	142.6	141.9	141.9	144.1	146.3	147.0	141.1	3.7	2.9	1.5	1.5
12.5°	266.1	261.7	166.8	146.3	142.6	144.1	144.8	125.0	58.1	89.7	111.0
15°	266.8	264.6	266.8	270.5	216.1	150.7	219.8	214.6	214.6	158.0	216.8
17.5°	269.8	266.8	268.3	273.4	265.3	311.6	294.0	304.3	304.3	224.9	239.6
20°	398.4	397.6	403.5	295.5	330.0	386.6	320.5	393.2	400.6	334.4	346.2
22.5°	406.5	405.7	415.3	413.8	405.0	415.3	468.9	430.7	432.9	505.7	457.2
25°	566.0	552.7	448.4	440.3	532.2	493.2	562.3	518.9	514.5	611.5	579.9
27.5°	647.6	641.7	648.3	628.4	563.8	604.9	608.6	668.1	638.0	700.5	714.4
30°	787.2	790.9	757.8	724.7	738.7	701.9	732.1	812.2	808.5	793.8	901.1
32.5°	1256.9	1218.7	1154.0	898.2	841.6	815.1	898.9	989.3	952.6	1007.0	1114.3
35°	1663.3	1578.1	1470.8	1288.5	1045.2	974.6	1076.8	1165.7	1143.0	1252.5	1245.9
37.5°	2341.0	2301.3	2115.4	1650.1	1407.6	1215.7	1265.0	1286.3	1312.7	1437.7	1434.8
40°	2741.6	2696.0	2564.5	2196.2	1776.5	1508.3	1486.9	1498.0	1506.8	1632.5	1641.3
42.5°	3078.3	3057.7	2929.8	2577.0	2233.7	1982.3	1783.2	1739.8	1756.0	1883.1	1866.2
45°	3306.8	3282.6	3167.2	2921.0	2636.5	2507.1	2127.1	2042.6	2047.0	2117.6	2104.4
47.5°	3356.8	3328.2	3276.7	3140.0	3043.7	2938.6	2557.9	2335.2	2385.1	2388.8	2344.0
50°	3179.0	3143.7	3187.0	3154.7	3301.7	3354.6	2993.7	2676.2	2762.2	2683.6	2559.3
52.5°	2738.7	2749.7	2883.5	2981.2	3311.3	3645.7	3461.9	3067.2	3125.3	2926.8	2762.9
55°	2174.9	2202.1	2423.4	2602.7	3086.3	3727.3	3800.8	3429.6	3452.4	3185.6	2927.6
57.5°	1601.6	1638.4	1910.3	2110.2	2650.5	3551.6	3966.9	3737.6	3782.4	3372.3	3042.2
60°	985.7	1019.5	1327.4	1631.7	2034.5	3046.7	3988.9	3968.4	4019.8	3503.8	3157.6
62.5°	600.5	629.2	763.7	1133.4	1462.0	2302.8	3805.2	4145.5	4171.2	3636.9	3240.7
65°	369.7	364.6	419.0	688.7	975.4	1423.7	3340.7	4225.6	4222.7	3717.0	3296.6
67.5°	244.8	249.2	269.8	378.5	664.5	769.6	2395.4	4068.3	4053.6	3755.9	3274.5
70°	216.8	218.3	238.9	268.3	478.5	448.4	1209.1	3502.4	3481.8	3650.8	3137.1
72.5°	169.8	174.9	208.7	243.3	345.5	328.6	455.7	2480.7	2507.1	3103.2	2760.7
75°	120.5	124.2	158.0	212.4	258.0	251.4	257.3	1278.9	1356.8	2060.3	2022.8
77.5°	75.7	78.6	102.2	157.3	219.0	185.2	180.1	502.0	562.3	1007.7	1012.1
80°	52.2	52.9	63.2	105.8	157.3	152.1	122.0	200.7	202.9	365.3	350.6
82.5°	30.9	30.9	41.9	65.4	96.3	124.2	78.6	100.7	104.4	135.2	77.2
85°	11.0	11.8	22.8	37.5	53.7	65.4	47.0	55.1	57.3	69.8	36.8
87.5°	0.7	1.5	7.4	11.8	14.7	13.2	15.4	16.9	19.1	22.8	13.2
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: P416921

CATALOG NUMBER: LXF.LXT-PA1-80-827-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	20.6	114.7	119.8	123.5	124.2
10°	4.4	2.9	2.2	2.2	2.2	119.1	123.5	120.5	118.3	116.1	116.9
12.5°	112.5	112.5	102.2	66.2	111.0	122.0	115.4	108.0	102.2	95.6	96.3
15°	216.1	214.6	189.6	163.2	186.7	119.8	99.2	131.6	112.5	99.2	97.0
17.5°	240.4	233.0	203.6	260.2	231.5	136.7	114.7	77.9	55.9	50.7	50.0
20°	346.2	336.6	296.9	315.3	211.7	158.0	69.1	44.1	39.7	47.8	49.2
22.5°	445.4	432.2	371.2	326.3	238.1	97.0	48.5	48.5	47.8	46.3	45.6
25°	572.6	549.1	497.6	341.8	188.9	63.9	52.9	43.4	39.0	36.0	36.0
27.5°	703.4	671.8	570.4	363.8	124.2	59.5	47.0	36.8	39.0	37.5	37.5
30°	894.5	851.2	664.5	340.3	80.9	55.1	39.7	36.0	31.6	30.1	29.4
32.5°	1092.2	1012.9	757.1	296.2	63.9	47.0	36.8	29.4	28.7	29.4	29.4
35°	1218.7	1144.4	857.0	215.4	55.9	41.2	30.1	27.2	25.0	24.3	24.3
37.5°	1370.1	1278.2	865.9	139.7	48.5	33.8	25.7	22.8	22.8	23.5	23.5
40°	1551.6	1450.9	830.6	86.0	41.9	27.9	22.1	20.6	19.8	19.8	19.8
42.5°	1755.2	1628.1	781.3	64.7	35.3	23.5	18.4	17.6	16.9	16.9	16.9
45°	1972.8	1806.7	713.7	53.7	29.4	19.8	15.4	14.7	14.7	14.0	14.0
47.5°	2198.4	1997.8	611.5	47.0	24.3	16.2	13.2	12.5	11.8	11.8	11.8
50°	2391.7	2172.7	486.6	40.4	20.6	14.0	10.3	9.6	9.6	8.8	8.8
52.5°	2567.4	2321.2	385.9	34.5	16.9	11.0	8.1	7.4	7.4	6.6	6.6
55°	2702.7	2431.4	288.1	28.7	14.0	8.8	5.9	5.1	5.1	4.4	5.1
57.5°	2816.6	2499.1	218.3	23.5	11.8	6.6	4.4	3.7	2.9	2.9	2.9
60°	2924.6	2553.5	161.0	18.4	9.6	5.1	2.9	2.2	1.5	1.5	1.5
62.5°	3040.8	2602.0	127.2	14.7	8.1	3.7	1.5	1.5	0.0	0.0	0.0
65°	3128.2	2632.1	98.5	11.8	6.6	2.2	1.5	0.7	0.0	0.0	0.0
67.5°	3131.2	2593.9	77.2	9.6	5.9	2.2	0.7	0.0	0.0	0.0	0.0
70°	3018.7	2431.4	57.3	8.8	5.1	2.2	1.5	0.7	0.0	0.0	0.0
72.5°	2615.9	1908.8	41.2	7.4	4.4	2.2	1.5	0.7	0.7	0.0	0.0
75°	1891.9	1128.3	28.7	6.6	4.4	2.2	2.2	1.5	1.5	1.5	0.0
77.5°	970.2	468.9	19.1	5.9	3.7	1.5	2.9	2.2	2.2	2.2	0.7
80°	284.5	161.7	11.8	5.1	3.7	1.5	2.9	2.9	2.9	2.9	0.7
82.5°	54.4	31.6	7.4	5.1	3.7	1.5	2.9	2.9	2.9	3.7	0.0
85°	21.3	12.5	5.1	4.4	3.7	1.5	2.9	2.9	3.7	3.7	0.0
87.5°	7.4	5.9	4.4	3.7	3.7	1.5	2.9	2.9	2.9	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)