

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: P254208

Luminaire Tested: **LXF.LXT-AF24-80-D-U-T2U-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254208
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-17-90°)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-80-D-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN UPPER HEMISPHERE NOT REPORTED TO PROVIDE RELEVANT COMPARISON TO COMPETITIVE OFFERINGS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5612.9 lumens
Efficiency: N/A
Efficacy: 67.6 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 (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

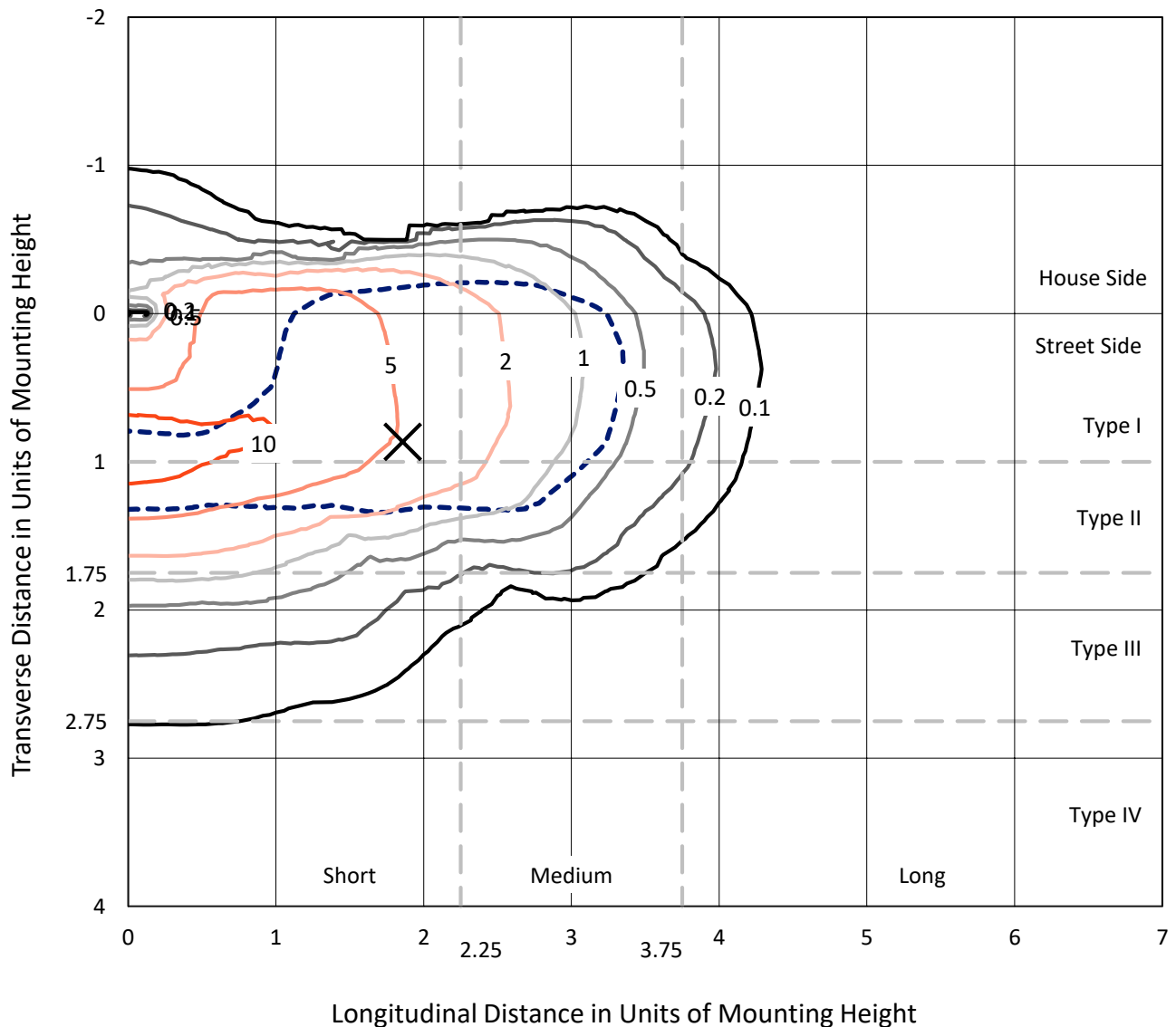


REPORT NUMBER: P254208

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

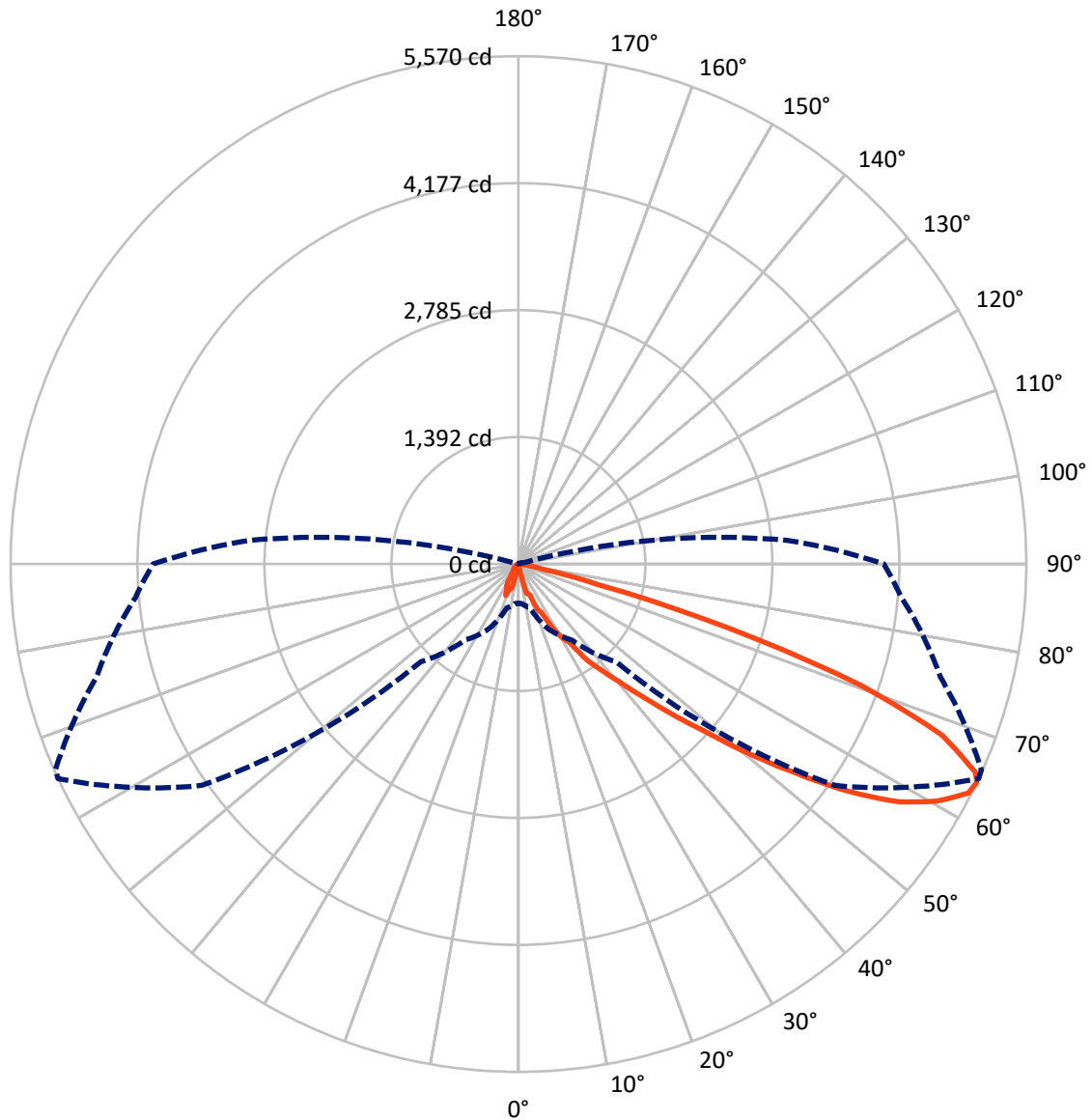


Based on 10 foot mounting height. Maximum calculated value = 14.2 fc
 Type II - Short - Full Cutoff

REPORT NUMBER: P254208

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T2U-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



REPORT NUMBER: P254208

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T2U-HSS

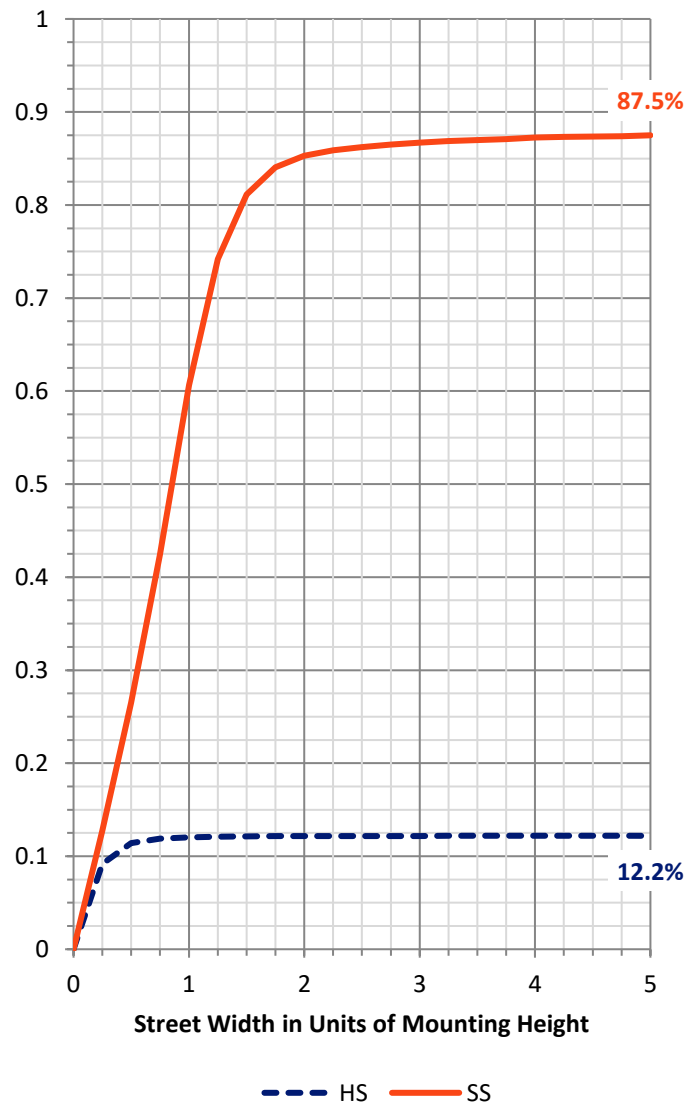
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	691.9	0.0	691.9
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	4921.0	0.0	4921.0
	% Fixture	87.7	0.0	87.7
Total	Lumens	5612.9	0.0	5612.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	56.1	1.0
20°-30°	190.5	3.4
30°-40°	534.5	9.5
40°-50°	1241.1	22.1
50°-60°	1734.7	30.9
60°-70°	1368.4	24.4
70°-80°	458.3	8.2
80°-90°	25.0	0.4
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°	5612.9	100.0
0°-180°	5612.9	100.0



REPORT NUMBER: P254208

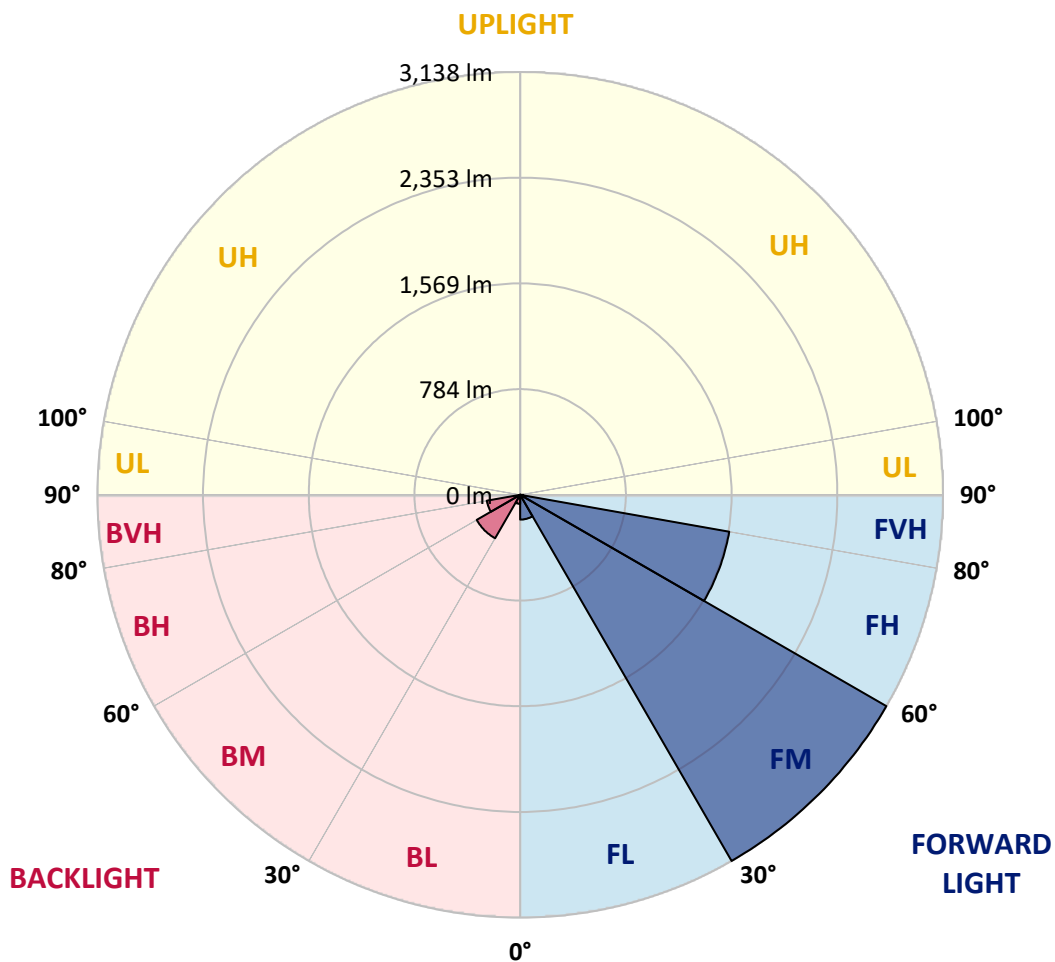
CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	183.9	3.3			
FM (30°-60°)	3137.9	55.9			
FH (60°-80°)	1575.5	28.1			G1/1800
FVH (80°-90°)	23.8	0.4			G1/100
BL (0°-30°)	67.0	1.2	B0/110		
BM (30°-60°)	372.4	6.6	B1/1000		
BH (60°-80°)	251.3	4.5	B1/500		G1/500
BVH (80°-90°)	1.2	0.0			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: P254208

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	110.6	45.9	34.7	21.6	6.5	1.8	0.9	0.0	0.0	0.0	0.0
7.5°	159.3	158.4	158.4	160.2	162.1	148.0	11.3	0.9	0.0	0.0	0.0
10°	151.8	150.9	150.9	153.6	156.5	159.3	160.2	5.6	3.8	0.0	0.0
12.5°	303.6	301.7	290.5	173.4	156.5	157.4	161.1	109.7	65.6	24.3	116.2
15°	298.9	298.0	298.9	305.5	305.5	163.1	243.7	328.9	328.0	213.6	250.2
17.5°	306.4	301.7	299.8	304.5	312.0	360.8	357.0	345.8	346.7	226.8	256.8
20°	441.3	442.2	448.9	342.9	323.3	456.3	404.8	363.6	369.2	435.7	472.3
22.5°	448.9	447.8	456.3	472.3	556.6	468.5	542.6	545.3	557.5	570.6	506.9
25°	620.3	619.4	506.9	496.6	594.9	525.7	649.4	590.3	600.6	602.5	621.2
27.5°	701.8	693.4	699.0	701.8	627.8	738.4	672.8	779.6	746.8	825.5	788.0
30°	893.9	867.7	803.0	813.3	776.7	787.1	815.2	931.4	900.5	875.1	861.1
32.5°	1307.1	1291.2	1227.4	1012.9	942.6	856.4	989.5	1019.5	1023.2	1197.5	1193.8
35°	1909.6	1797.1	1572.3	1413.9	1129.1	1118.8	1097.2	1288.4	1297.7	1364.3	1363.3
37.5°	2688.2	2665.8	2346.2	1822.5	1491.7	1311.8	1365.2	1477.7	1442.1	1581.7	1583.5
40°	3162.4	3140.9	2882.2	2430.5	1905.9	1649.1	1584.4	1693.2	1633.1	1875.0	1828.1
42.5°	3504.4	3481.9	3293.6	2873.8	2511.1	2220.7	1929.3	1975.2	1936.8	2153.2	2132.6
45°	3708.6	3676.8	3596.2	3240.2	3008.7	2885.9	2426.8	2326.6	2335.9	2502.8	2480.2
47.5°	3697.4	3648.7	3669.3	3451.9	3429.4	3497.8	3046.1	2725.8	2832.6	2921.5	2863.4
50°	3405.1	3366.6	3482.8	3511.9	3704.9	3980.4	3702.1	3257.0	3391.0	3334.8	3213.9
52.5°	2863.4	2871.0	3039.6	3236.4	3752.7	4313.0	4331.8	3812.6	3994.4	3708.6	3532.5
55°	2290.0	2310.6	2495.2	2733.2	3460.3	4421.7	4857.4	4410.5	4568.8	4016.9	3763.0
57.5°	1683.8	1716.6	1948.0	2150.4	2846.6	4144.4	5117.0	4924.0	5018.6	4282.1	3943.9
60°	997.9	1015.7	1323.1	1616.4	2062.4	3322.6	5106.7	5277.2	5309.0	4556.6	4088.1
62.5°	589.4	598.7	701.8	1090.7	1358.7	2178.5	4717.7	5534.9	5525.5	4731.9	4187.4
64°	430.0	436.6	500.3	791.8	1015.7	1517.0	4230.5	5569.6	5558.3	4790.9	4215.6
65°	359.8	365.4	410.4	625.0	845.2	1160.0	3689.9	5507.7	5500.2	4820.9	4213.7
67.5°	288.6	289.5	302.7	366.3	575.3	609.1	2136.3	5013.9	4991.4	4851.8	4144.4
70°	258.6	262.4	285.8	288.6	420.7	400.1	751.5	3993.5	3944.8	4606.2	3983.2
72.5°	205.2	210.8	248.3	282.9	303.6	299.8	342.9	2435.2	2455.0	3384.4	3338.5
75°	143.3	148.9	187.4	234.3	239.9	219.2	247.3	914.5	902.3	1671.6	1941.5
77.5°	89.0	91.9	117.1	168.7	223.0	145.3	172.4	265.1	283.9	518.1	530.3
80°	59.0	59.9	74.1	111.5	154.6	131.1	103.1	134.0	136.8	163.1	80.6
82.5°	32.8	33.8	46.9	70.3	92.8	116.2	66.5	80.6	85.3	101.2	43.1
85°	11.3	12.2	24.3	39.4	56.3	56.3	43.1	48.7	49.6	63.7	22.5
87.5°	0.0	0.0	5.6	10.3	9.4	3.8	9.4	7.5	6.5	10.3	3.8
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: P254208

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.9	0.0	0.0	0.0	0.0	118.0	130.2	131.1	133.1
10°	0.0	0.0	0.9	0.9	0.0	125.5	133.1	130.2	123.7	121.8	119.9
12.5°	119.9	115.3	16.0	3.8	105.9	131.1	118.0	101.2	85.3	80.6	76.8
15°	247.3	244.6	218.3	239.9	148.9	112.4	83.4	89.9	75.9	71.2	69.4
17.5°	251.1	247.3	233.3	282.0	232.4	114.3	76.8	61.9	56.3	54.3	53.4
20°	476.9	462.9	339.2	277.3	178.0	116.2	59.0	49.6	45.9	50.6	53.4
22.5°	491.0	475.1	409.5	371.9	148.9	75.9	56.3	54.3	57.2	54.3	54.3
25°	619.4	572.5	449.8	305.5	132.2	67.5	63.7	49.6	45.9	44.1	44.1
27.5°	769.3	733.7	621.2	286.7	89.0	71.2	55.2	43.1	47.8	47.8	47.8
30°	822.7	773.0	627.8	251.1	78.7	64.7	46.9	46.9	42.1	40.3	40.3
32.5°	1181.5	1109.4	805.8	176.2	71.2	54.3	46.9	39.4	38.5	41.2	41.2
35°	1316.4	1232.1	785.2	130.2	62.8	49.6	40.3	38.5	36.5	36.5	36.5
37.5°	1496.4	1397.0	720.6	96.5	59.0	42.1	35.6	33.8	34.7	36.5	37.4
40°	1731.5	1611.7	668.1	79.7	50.6	36.5	31.8	32.8	32.8	32.8	32.8
42.5°	2009.0	1843.1	590.3	71.2	43.1	32.8	29.1	29.1	30.0	30.0	30.0
45°	2327.5	2096.0	481.6	62.8	37.4	28.1	26.2	26.2	26.2	25.3	26.2
47.5°	2664.8	2369.7	365.4	55.2	31.8	25.3	23.4	22.5	22.5	21.6	22.5
50°	3000.3	2624.6	267.1	47.8	28.1	22.5	19.6	19.6	19.6	18.7	18.7
52.5°	3268.2	2797.0	189.2	41.2	24.3	19.6	16.9	16.0	16.0	15.0	15.0
55°	3493.2	2900.1	138.7	34.7	21.6	16.9	14.0	13.1	13.1	12.2	13.1
57.5°	3666.5	2964.7	105.0	28.1	18.7	14.0	11.3	10.3	10.3	10.3	10.3
60°	3812.6	2986.2	80.6	23.4	16.0	11.3	9.4	8.4	8.4	7.5	8.4
62.5°	3948.5	2980.6	66.5	20.7	14.0	9.4	7.5	6.5	5.6	4.7	5.6
64°	4006.6	2965.6	59.9	17.8	13.1	8.4	6.5	5.6	4.7	2.8	3.8
65°	4030.9	2942.2	55.2	16.0	12.2	7.5	6.5	5.6	2.8	1.8	2.8
67.5°	4010.4	2821.3	43.1	14.0	9.4	5.6	4.7	3.8	0.9	0.9	1.8
70°	3780.8	2564.5	32.8	12.2	8.4	4.7	3.8	2.8	1.8	0.9	1.8
72.5°	2969.3	1844.0	25.3	9.4	6.5	2.8	3.8	2.8	1.8	0.9	0.0
75°	1592.9	692.4	18.7	7.5	5.6	2.8	2.8	1.8	0.9	0.9	0.0
77.5°	410.4	218.3	13.1	4.7	4.7	1.8	1.8	1.8	0.9	0.9	0.0
80°	63.7	30.9	5.6	3.8	2.8	0.9	1.8	0.9	0.9	1.8	0.0
82.5°	26.2	12.2	3.8	2.8	2.8	0.0	1.8	0.9	0.9	0.9	0.0
85°	6.5	4.7	2.8	1.8	1.8	0.0	0.9	0.0	0.9	0.9	0.0
87.5°	0.9	1.8	1.8	1.8	1.8	0.0	0.9	0.0	0.0	0.0	0.0
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)