

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: P254197

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T2U-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254197
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-AF24-60-D-U-T2U-7030-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
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: 4328.8 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): 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

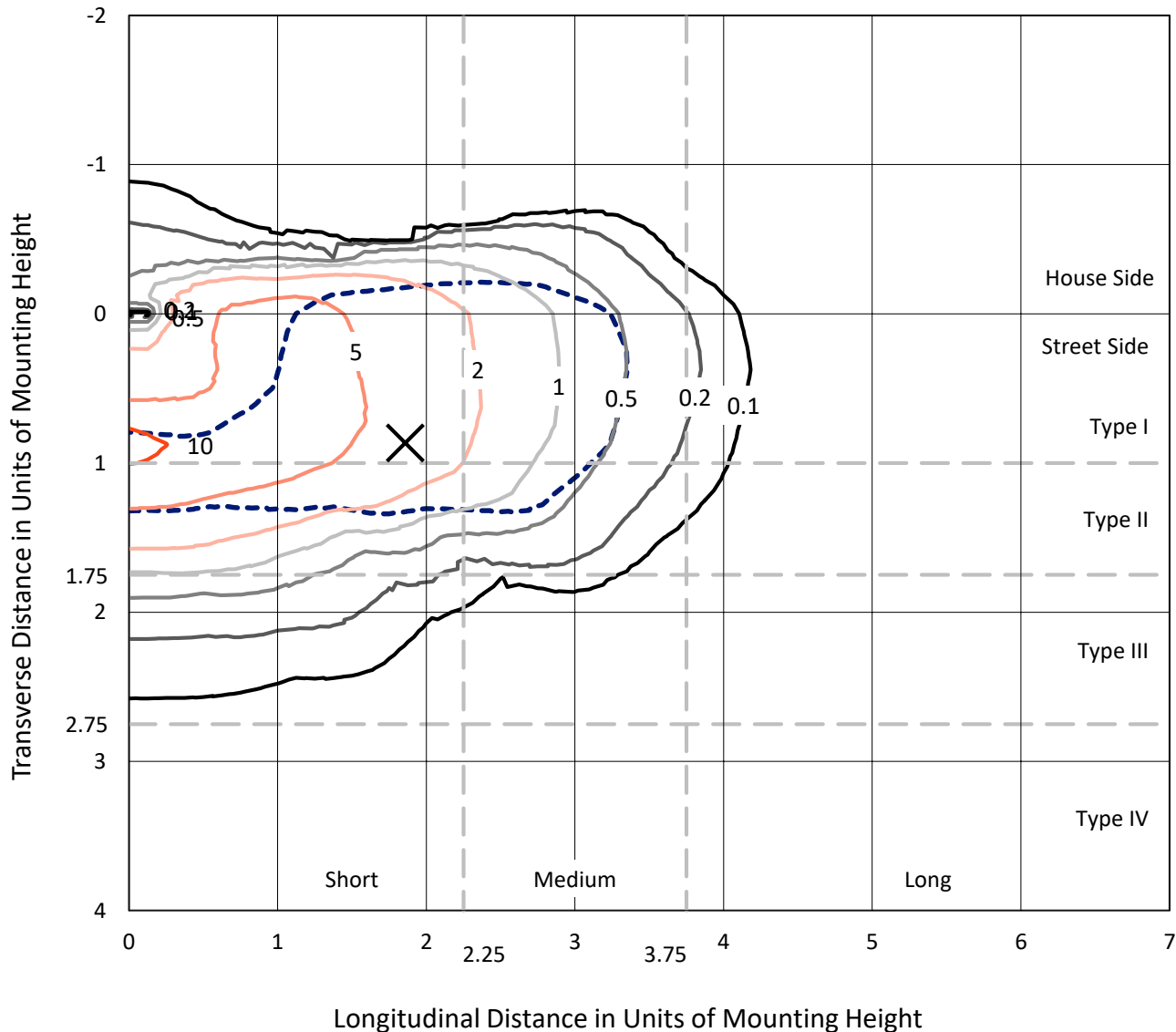


REPORT NUMBER: P254197

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-7030-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

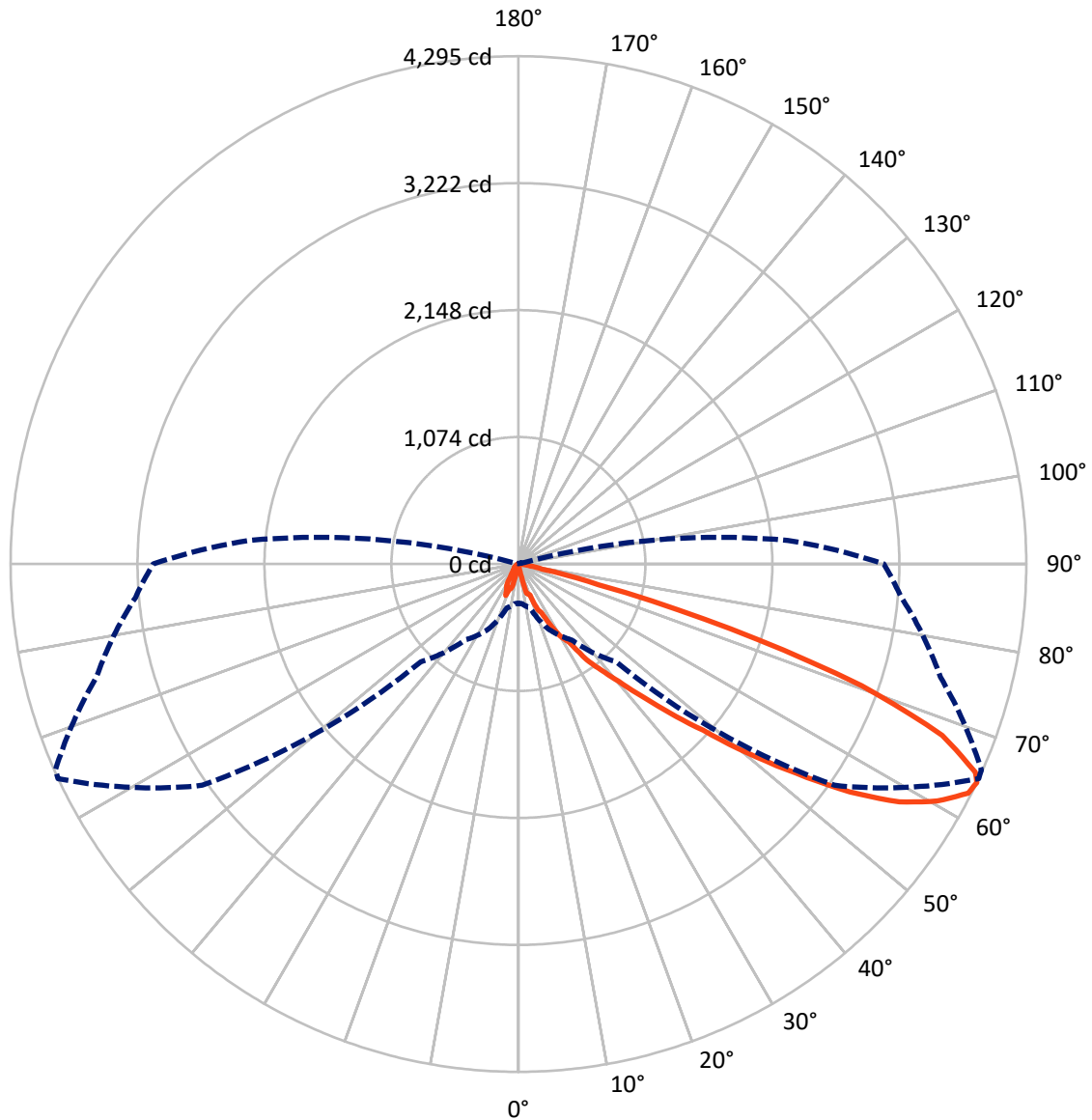


Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - Full Cutoff

REPORT NUMBER: P254197

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-7030-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P254197

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-7030-HSS

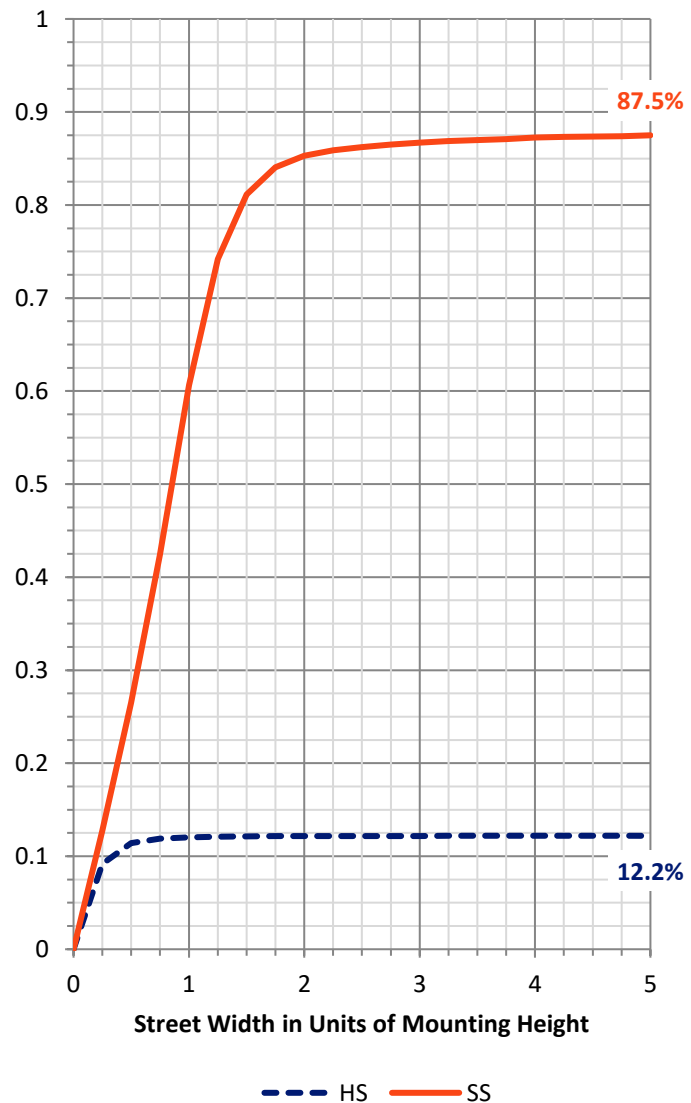
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	533.6	0.0	533.6
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	3795.2	0.0	3795.2
	% Fixture	87.7	0.0	87.7
Total	Lumens	4328.8	0.0	4328.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.1
10°-20°	43.3	1.0
20°-30°	146.9	3.4
30°-40°	412.2	9.5
40°-50°	957.2	22.1
50°-60°	1337.9	30.9
60°-70°	1055.4	24.4
70°-80°	353.4	8.2
80°-90°	19.3	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°	4328.8	100.0
0°-180°	4328.8	100.0

Coefficient of Utilization



REPORT NUMBER: P254197

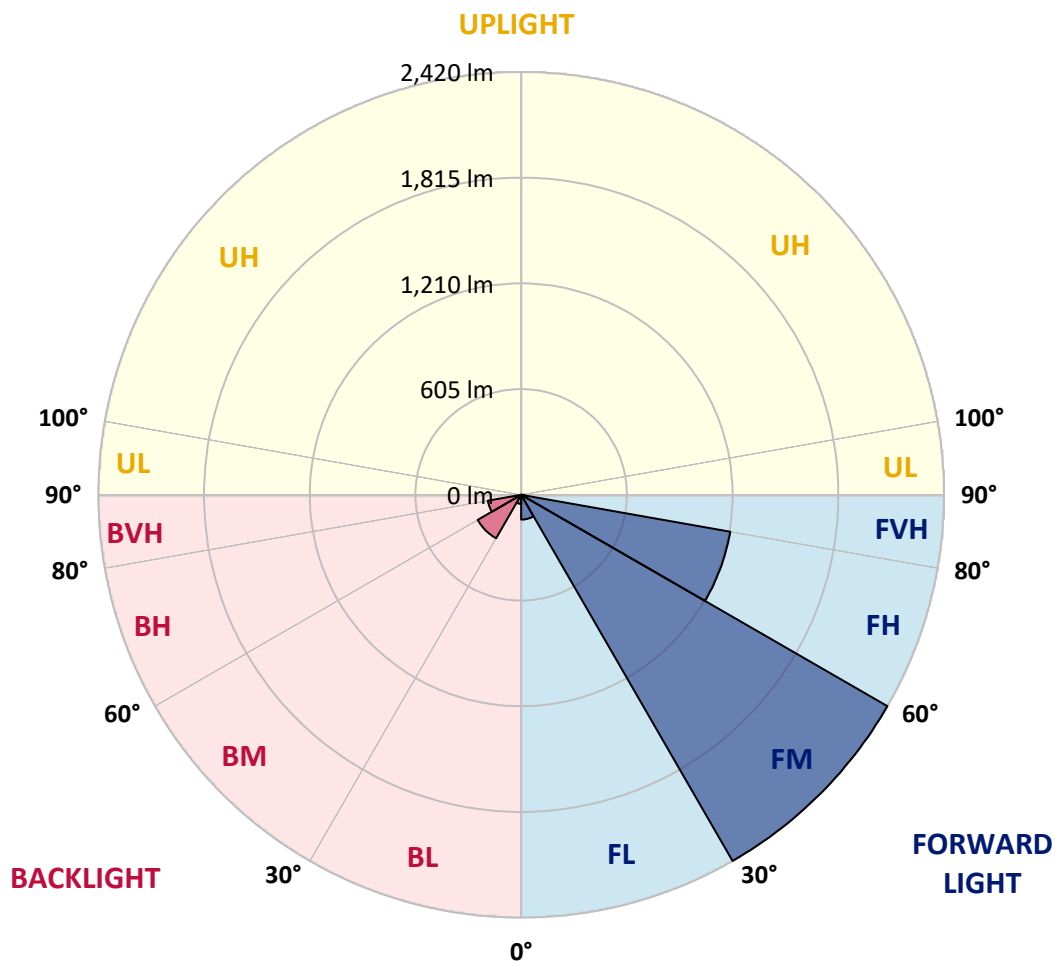
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-7030-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	141.8	3.3			
FM (30°-60°)	2420.0	55.9			
FH (60°-80°)	1215.0	28.1			G1/1800
FVH (80°-90°)	18.3	0.4			G1/100
BL (0°-30°)	51.7	1.2	B0/110		
BM (30°-60°)	287.2	6.6	B1/1000		
BH (60°-80°)	193.8	4.5	B1/500		G1/500
BVH (80°-90°)	0.9	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: P254197

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-7030-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°	85.2	35.4	26.8	16.6	5.0	1.4	0.8	0.0	0.0	0.0	0.0
7.5°	122.8	122.2	122.2	123.6	125.0	114.1	8.6	0.8	0.0	0.0	0.0
10°	117.0	116.4	116.4	118.5	120.7	122.8	123.6	4.4	2.8	0.0	0.0
12.5°	234.2	232.7	224.0	133.8	120.7	121.4	124.3	84.5	50.6	18.8	89.6
15°	230.5	229.8	230.5	235.6	235.6	125.7	187.9	253.7	252.9	164.8	193.0
17.5°	236.3	232.7	231.2	234.9	240.6	278.2	275.4	266.7	267.3	175.0	198.0
20°	340.4	341.1	346.2	264.5	249.3	352.0	312.2	280.4	284.7	336.1	364.2
22.5°	346.2	345.4	352.0	364.2	429.3	361.3	418.5	420.5	429.9	440.1	390.9
25°	478.3	477.7	390.9	383.0	458.9	405.4	500.9	455.3	463.3	464.7	479.1
27.5°	541.3	534.8	539.0	541.3	484.1	569.5	518.9	601.3	575.9	636.7	607.7
30°	689.4	669.2	619.3	627.2	599.1	607.1	628.7	718.3	694.5	674.9	664.1
32.5°	1008.1	995.8	946.6	781.2	727.0	660.5	763.0	786.2	789.1	923.6	920.6
35°	1472.7	1386.1	1212.6	1090.5	870.8	862.8	846.2	993.6	1000.9	1052.1	1051.4
37.5°	2073.3	2055.9	1809.5	1405.5	1150.4	1011.7	1052.9	1139.6	1112.1	1219.8	1221.3
40°	2438.8	2422.3	2222.9	1874.6	1469.9	1271.9	1221.9	1305.8	1259.5	1446.0	1409.9
42.5°	2702.6	2685.4	2540.1	2216.4	1936.7	1712.6	1487.9	1523.3	1493.7	1660.6	1644.7
45°	2860.2	2835.6	2773.5	2498.9	2320.4	2225.7	1871.6	1794.4	1801.5	1930.2	1912.8
47.5°	2851.5	2814.0	2829.9	2662.2	2644.8	2697.6	2349.3	2102.1	2184.5	2253.2	2208.3
50°	2626.0	2596.4	2686.0	2708.4	2857.3	3069.7	2855.2	2511.9	2615.2	2571.9	2478.6
52.5°	2208.3	2214.1	2344.2	2496.0	2894.2	3326.3	3340.8	2940.3	3080.7	2860.2	2724.4
55°	1766.1	1782.0	1924.4	2107.9	2668.7	3410.1	3746.2	3401.5	3523.6	3097.9	2902.2
57.5°	1298.5	1323.9	1502.5	1658.4	2195.3	3196.3	3946.3	3797.6	3870.5	3302.5	3041.6
60°	769.6	783.4	1020.4	1246.5	1590.5	2562.4	3938.4	4069.9	4094.5	3514.3	3152.9
62.5°	454.5	461.7	541.3	841.2	1047.8	1680.2	3638.6	4268.6	4261.4	3649.4	3229.4
64°	331.7	336.7	385.9	610.6	783.4	1169.9	3262.7	4295.4	4286.7	3694.8	3251.1
65°	277.5	281.8	316.6	482.1	651.8	894.7	2845.7	4247.7	4241.9	3718.0	3249.7
67.5°	222.6	223.3	233.4	282.6	443.7	469.7	1647.6	3866.9	3849.5	3741.8	3196.3
70°	199.4	202.3	220.3	222.6	324.5	308.5	579.5	3079.9	3042.4	3552.4	3072.0
72.5°	158.2	162.6	191.5	218.2	234.2	231.2	264.5	1878.1	1893.4	2610.2	2574.8
75°	110.6	114.9	144.5	180.8	184.9	169.2	190.7	705.3	695.9	1289.1	1497.3
77.5°	68.7	70.8	90.3	130.1	172.0	112.0	133.0	204.6	218.9	399.7	409.0
80°	45.6	46.2	57.2	86.0	119.2	101.2	79.5	103.4	105.6	125.7	62.2
82.5°	25.2	26.0	36.2	54.2	71.6	89.6	51.4	62.2	65.8	78.0	33.3
85°	8.6	9.4	18.8	30.4	43.3	43.3	33.3	37.5	38.4	49.1	17.4
87.5°	0.0	0.0	4.4	7.9	7.2	2.8	7.2	5.8	5.0	7.9	2.8
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: P254197

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-7030-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	0.8	0.0	0.0	0.0	0.0	91.0	100.4	101.2	102.6
10°	0.0	0.0	0.8	0.8	0.0	96.8	102.6	100.4	95.4	94.0	92.6
12.5°	92.6	88.9	12.2	2.8	81.6	101.2	91.0	78.0	65.8	62.2	59.2
15°	190.7	188.6	168.4	184.9	114.9	86.8	64.4	69.4	58.6	54.9	53.4
17.5°	193.7	190.7	180.0	217.5	179.1	88.2	59.2	47.7	43.3	41.9	41.2
20°	367.8	356.9	261.5	213.9	137.3	89.6	45.6	38.4	35.4	39.0	41.2
22.5°	378.7	366.3	315.8	287.0	114.9	58.6	43.3	41.9	44.0	41.9	41.9
25°	477.7	441.5	346.9	235.6	101.9	52.0	49.1	38.4	35.4	34.0	34.0
27.5°	593.3	565.9	479.1	221.1	68.7	54.9	42.6	33.3	36.8	36.8	36.8
30°	634.5	596.2	484.1	193.7	60.7	49.8	36.2	36.2	32.6	31.0	31.0
32.5°	911.2	855.6	621.4	135.8	54.9	41.9	36.2	30.4	29.6	31.8	31.8
35°	1015.3	950.2	605.7	100.4	48.4	38.4	31.0	29.6	28.2	28.2	28.2
37.5°	1154.1	1077.4	555.7	74.4	45.6	32.6	27.5	26.0	26.8	28.2	29.0
40°	1335.4	1243.0	515.2	61.4	39.0	28.2	24.6	25.2	25.2	25.2	25.2
42.5°	1549.3	1421.5	455.3	54.9	33.3	25.2	22.4	22.4	23.2	23.2	23.2
45°	1795.0	1616.6	371.5	48.4	29.0	21.7	20.2	20.2	20.2	19.5	20.2
47.5°	2055.1	1827.6	281.8	42.6	24.6	19.5	18.0	17.4	17.4	16.6	17.4
50°	2313.9	2024.1	206.0	36.8	21.7	17.4	15.2	15.2	15.2	14.4	14.4
52.5°	2520.6	2157.1	146.0	31.8	18.8	15.2	13.0	12.2	12.2	11.6	11.6
55°	2694.0	2236.5	107.0	26.8	16.6	13.0	10.8	10.2	10.2	9.4	10.2
57.5°	2827.7	2286.5	81.0	21.7	14.4	10.8	8.6	7.9	7.9	7.9	7.9
60°	2940.3	2303.0	62.2	18.0	12.2	8.6	7.2	6.5	6.5	5.8	6.5
62.5°	3045.2	2298.7	51.4	16.0	10.8	7.2	5.8	5.0	4.4	3.6	4.4
64°	3090.0	2287.2	46.2	13.7	10.2	6.5	5.0	4.4	3.6	2.1	2.8
65°	3108.8	2269.1	42.6	12.2	9.4	5.8	5.0	4.4	2.1	1.4	2.1
67.5°	3092.9	2175.9	33.3	10.8	7.2	4.4	3.6	2.8	0.8	0.8	1.4
70°	2915.9	1977.9	25.2	9.4	6.5	3.6	2.8	2.1	1.4	0.8	1.4
72.5°	2290.1	1422.1	19.5	7.2	5.0	2.1	2.8	2.1	1.4	0.8	0.0
75°	1228.5	534.1	14.4	5.8	4.4	2.1	2.1	1.4	0.8	0.8	0.0
77.5°	316.6	168.4	10.2	3.6	3.6	1.4	1.4	1.4	0.8	0.8	0.0
80°	49.1	23.8	4.4	2.8	2.1	0.8	1.4	0.8	0.8	1.4	0.0
82.5°	20.2	9.4	2.8	2.1	2.1	0.0	1.4	0.8	0.8	0.8	0.0
85°	5.0	3.6	2.1	1.4	1.4	0.0	0.8	0.0	0.8	0.8	0.0
87.5°	0.8	1.4	1.4	1.4	1.4	0.0	0.8	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)