

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: P413715

Luminaire Tested: **LXF.LXT-PA1-100-722-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413715
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-722-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5542 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 96
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

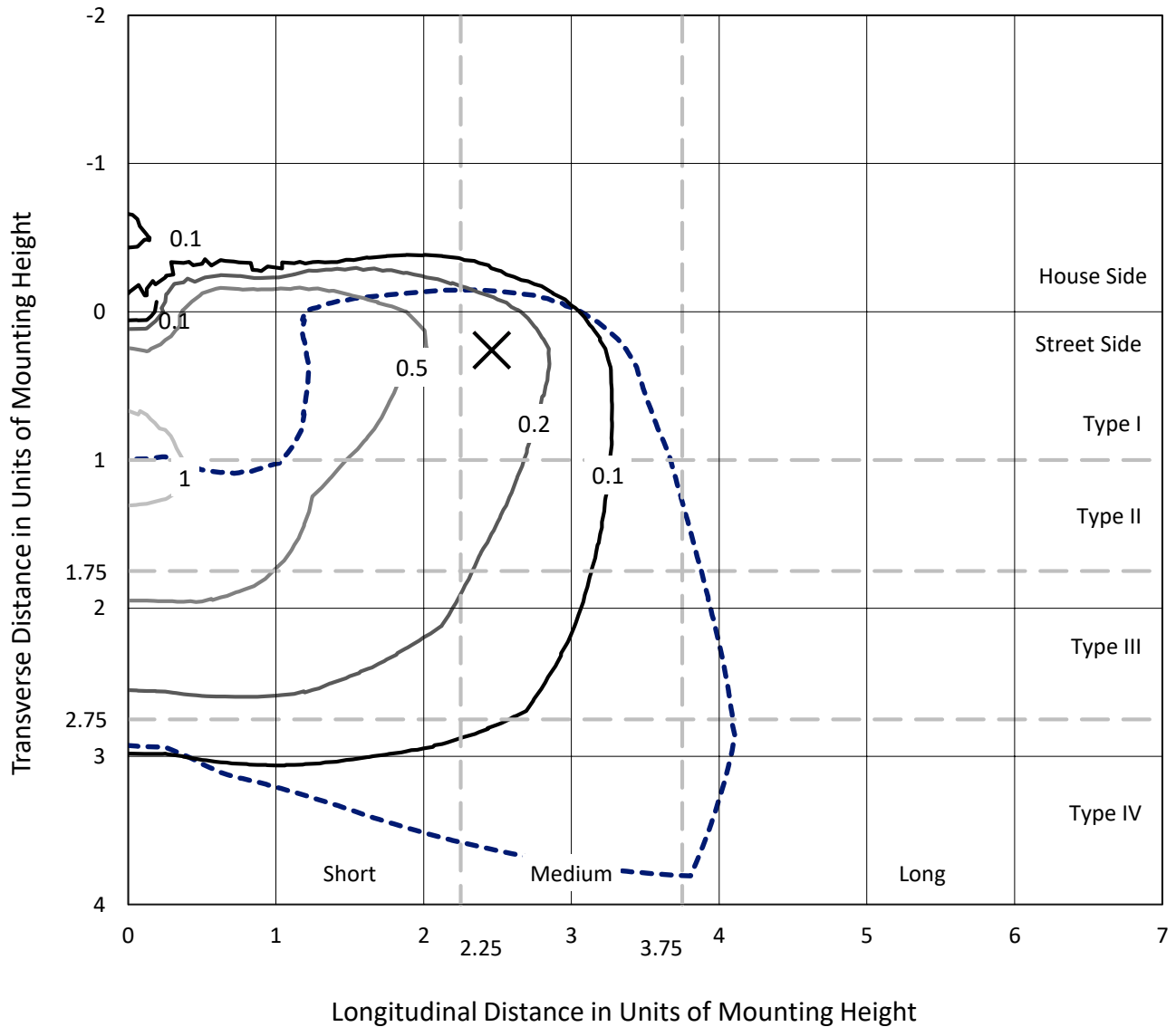


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

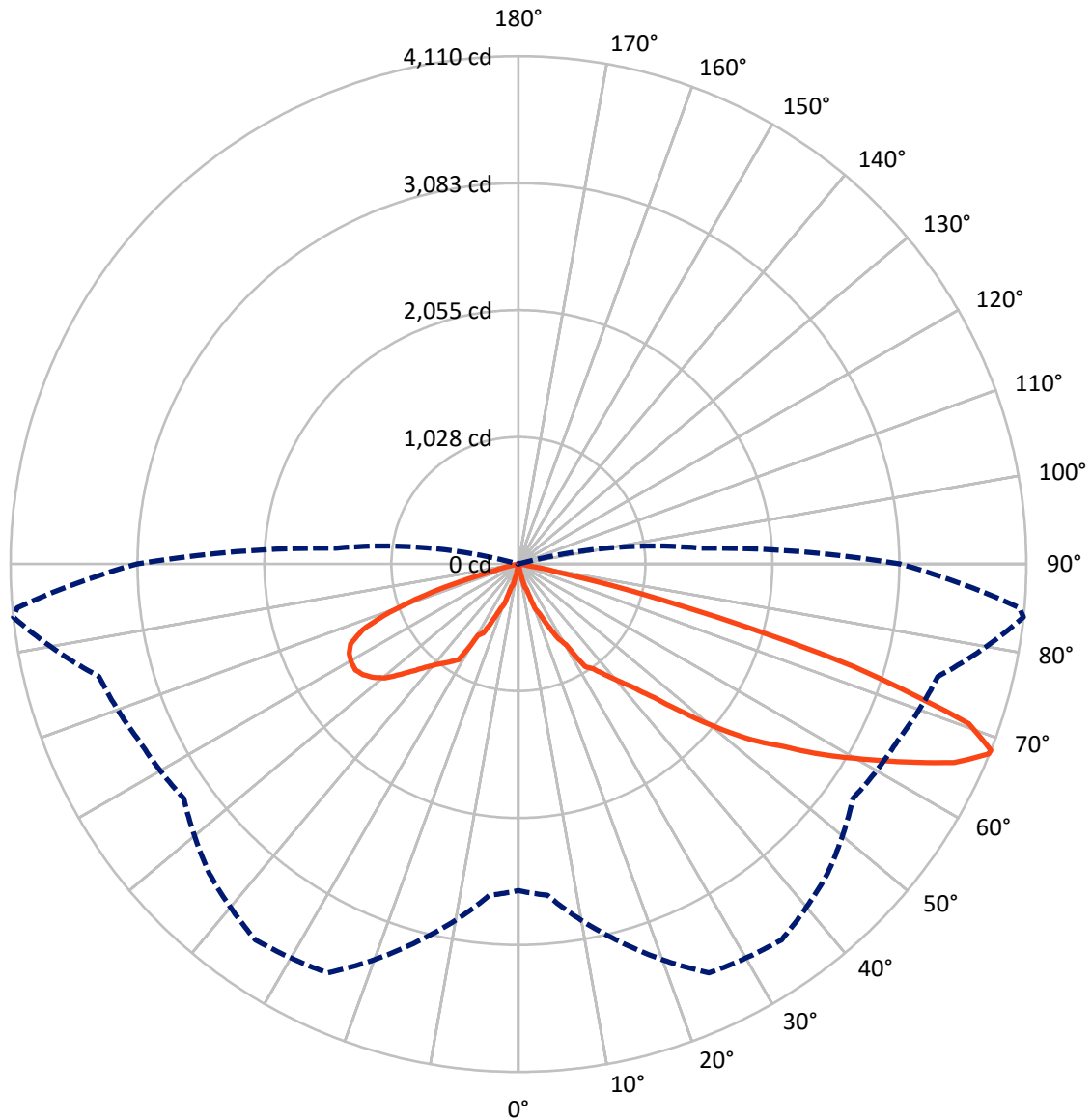


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



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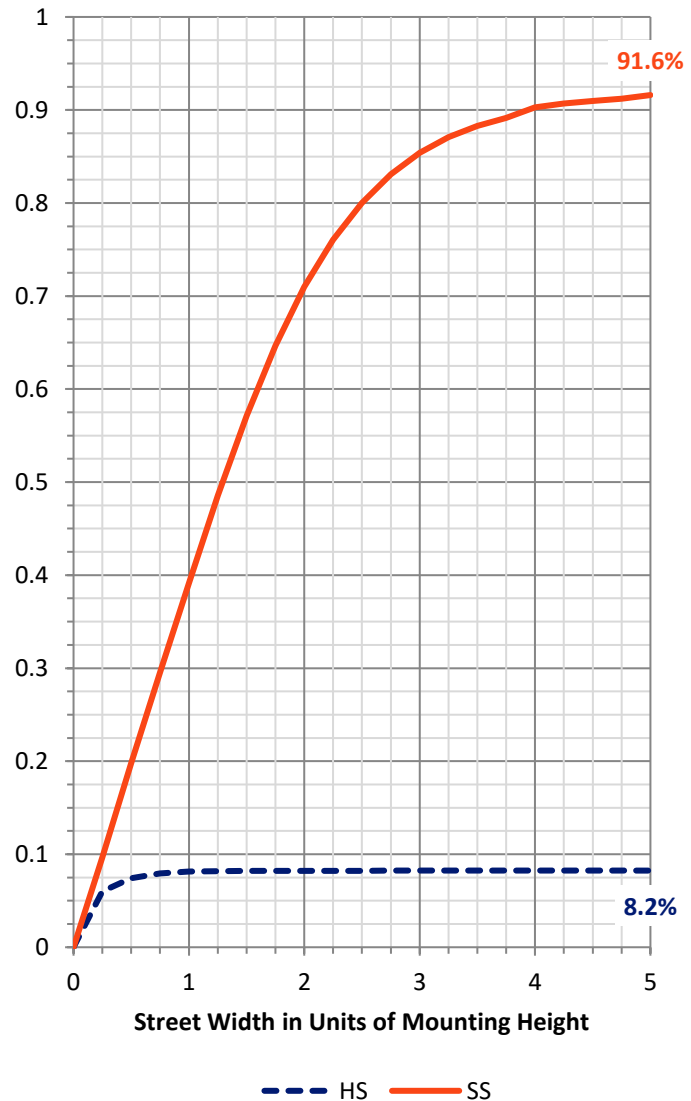
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	460.5	0.0	460.5
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	5081.5	0.0	5081.5
	% Fixture	91.7	0.0	91.7
Total	Lumens	5542.0	0.0	5542.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	50.2	0.9
20°-30°	179.7	3.2
30°-40°	383.7	6.9
40°-50°	685.7	12.4
50°-60°	1216.7	22.0
60°-70°	1748.5	31.6
70°-80°	1177.1	21.2
80°-90°	96.7	1.7
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°	5542.0	100.0
0°-180°	5542.0	100.0



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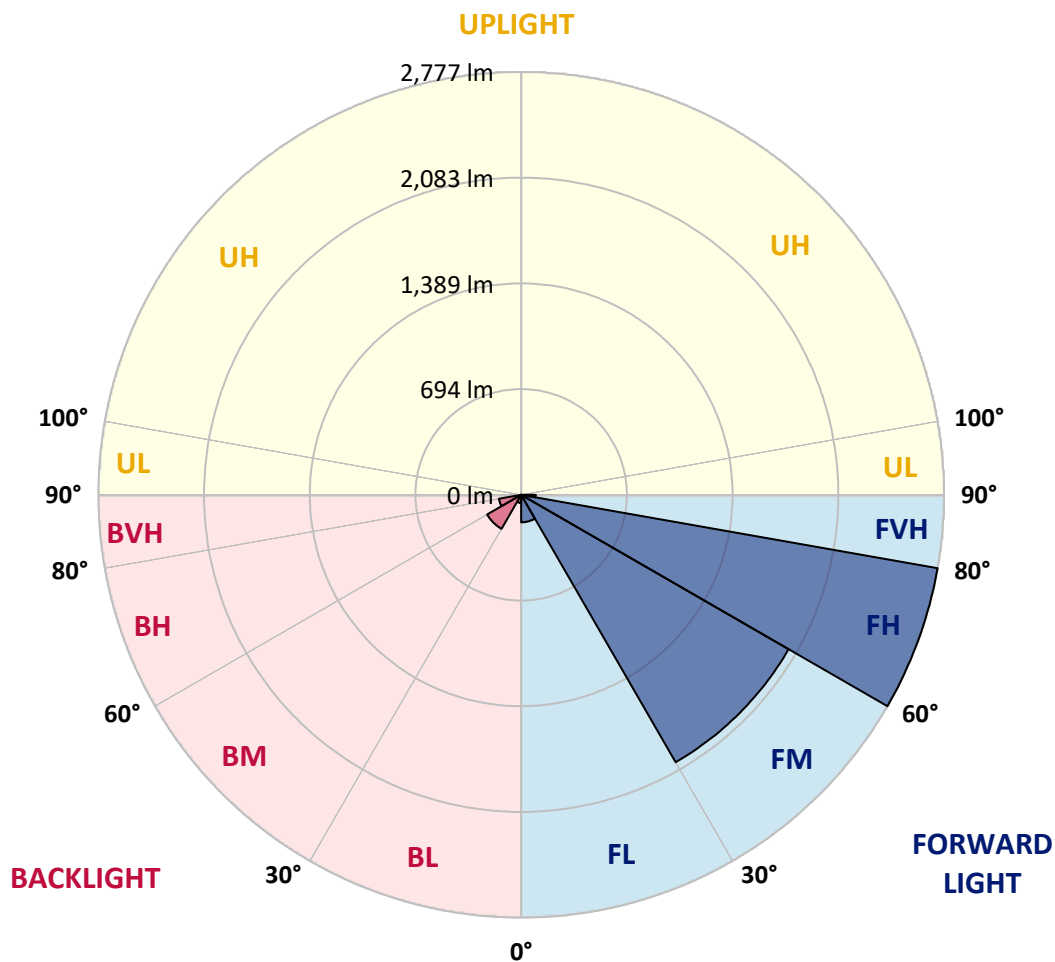
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	180.7	3.3			
FM	(30°-60°)	2028.2	36.6			
FH	(60°-80°)	2777.4	50.1			G2/5000
FVH	(80°-90°)	95.3	1.7			G1/100
BL	(0°-30°)	52.8	1.0	B0/110		
BM	(30°-60°)	258.0	4.7	B1/1000		
BH	(60°-80°)	148.2	2.7	B1/500		G1/500
BVH	(80°-90°)	1.5	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-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.8	0.8	0.0	0.8	0.8	1.6	1.6	2.4	2.4	2.4	2.4
5°	42.5	36.1	35.3	31.3	22.5	5.6	1.6	2.4	2.4	2.4	2.4
7.5°	152.5	150.1	148.5	145.3	142.1	109.2	21.7	2.4	2.4	2.4	2.4
10°	163.7	160.5	158.1	154.1	149.3	143.7	137.3	17.7	2.4	2.4	2.4
12.5°	338.7	334.7	232.0	191.8	158.1	150.1	145.3	75.5	69.8	79.5	90.7
15°	356.4	353.2	344.3	333.1	299.4	169.4	228.0	283.3	184.6	196.7	196.7
17.5°	397.3	390.9	360.4	343.5	329.9	362.8	333.1	303.4	199.1	211.1	211.1
20°	556.2	554.6	545.8	381.3	346.8	459.1	362.8	323.5	367.6	383.7	365.2
22.5°	561.1	559.5	553.0	531.4	545.0	472.0	520.9	488.8	501.7	438.3	435.0
25°	744.1	737.6	590.8	541.0	614.8	503.3	619.7	539.4	529.8	547.4	547.4
27.5°	757.7	756.1	751.3	720.0	630.9	712.8	638.1	698.3	712.0	676.6	695.1
30°	862.9	809.9	781.8	763.3	743.3	748.1	744.9	803.5	741.7	756.1	748.1
32.5°	1004.1	999.3	984.9	813.9	825.9	781.0	868.5	859.7	959.2	990.5	985.7
35°	1200.8	1123.7	1029.8	941.5	857.2	927.9	897.4	1000.1	1025.0	1039.5	1069.1
37.5°	1373.4	1348.5	1261.0	998.5	949.6	955.2	1026.6	1071.6	1108.5	1134.2	1147.0
40°	1531.5	1513.0	1454.4	1167.1	999.3	1037.0	1095.6	1120.5	1193.6	1240.9	1241.7
42.5°	1765.9	1777.1	1722.5	1319.6	1134.2	1151.8	1201.6	1205.6	1270.6	1365.3	1368.5
45°	2058.8	2043.6	2029.9	1541.1	1262.6	1251.4	1320.4	1310.8	1411.1	1544.3	1560.4
47.5°	2341.4	2319.7	2282.8	1796.4	1440.8	1362.9	1459.2	1467.3	1623.8	1794.0	1800.4
50°	2559.7	2551.7	2514.7	2093.3	1677.6	1517.0	1613.4	1708.1	1874.2	2078.9	2092.5
52.5°	2800.5	2782.0	2717.0	2371.9	1981.8	1749.0	1798.0	1964.1	2138.3	2363.0	2361.4
55°	2961.0	2963.4	2901.6	2656.0	2257.9	2011.5	2030.7	2286.0	2379.1	2608.7	2625.5
57.5°	3174.5	3156.9	3173.7	2989.9	2631.9	2278.0	2322.9	2543.6	2627.1	2910.5	2921.7
60°	3333.5	3339.9	3423.4	3298.1	2921.7	2549.3	2587.8	2753.9	2874.3	3205.8	3241.2
62.5°	3339.1	3373.6	3598.3	3607.2	3235.5	2843.0	2818.2	2969.1	3075.0	3526.9	3569.4
65°	3033.3	3054.1	3560.6	3689.0	3526.9	3131.2	3037.3	3150.5	3273.3	3874.5	3882.5
67.5°	2726.7	2733.1	3221.9	3665.0	3701.9	3477.1	3270.9	3348.7	3467.5	4103.2	4075.1
68°	2643.2	2691.3	3163.3	3651.3	3713.1	3539.7	3306.2	3386.4	3514.9	4110.4	4071.1
70°	2396.0	2447.3	2881.6	3498.8	3707.5	3775.7	3499.6	3510.9	3544.6	3868.0	3742.0
72.5°	1610.9	1645.5	2280.4	2977.9	3587.1	4050.2	3715.5	3437.0	3180.2	2835.8	2724.2
75°	619.7	623.7	1149.4	2046.8	3101.5	3913.0	3487.6	2897.6	2160.0	1380.6	1296.3
77.5°	231.2	227.2	333.1	948.7	1968.9	3040.5	2603.8	1776.3	899.8	362.0	354.0
80°	81.9	84.3	129.2	285.7	800.3	1776.3	1449.6	723.2	264.9	80.3	73.8
82.5°	32.1	34.5	65.8	135.7	343.5	745.7	618.9	307.4	154.9	30.5	28.9
85°	7.2	8.0	25.7	67.4	130.8	215.9	217.5	187.8	128.4	14.4	13.6
87.5°	0.8	1.6	7.2	8.8	10.4	5.6	18.5	19.3	35.3	5.6	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.4	2.4	2.4	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0
5°	2.4	2.4	2.4	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0
7.5°	2.4	2.4	2.4	1.6	0.8	0.8	0.0	70.6	73.0	75.5	76.3
10°	2.4	2.4	2.4	1.6	1.6	73.8	86.7	83.5	77.9	75.5	76.3
12.5°	87.5	85.1	27.3	5.6	67.4	81.1	66.6	55.4	49.8	45.8	45.8
15°	191.0	183.8	153.3	117.2	110.0	62.6	42.5	36.1	53.0	64.2	64.2
17.5°	203.1	194.2	171.8	170.2	111.6	54.6	44.1	57.0	60.2	63.4	63.4
20°	393.3	352.4	242.4	162.9	81.9	66.6	55.4	54.6	57.0	61.0	61.8
22.5°	421.4	401.3	305.0	197.5	74.6	72.2	64.2	61.0	81.9	89.1	89.1
25°	535.4	516.1	328.3	157.3	90.7	73.8	81.1	76.3	77.9	84.3	84.3
27.5°	684.7	649.4	431.0	132.4	84.3	80.3	82.7	76.3	89.9	106.8	106.8
30°	758.5	687.9	412.6	117.2	85.9	87.5	79.5	93.1	93.1	99.5	100.3
32.5°	1012.2	963.2	464.7	98.7	85.9	80.3	86.7	88.3	86.7	112.4	113.2
35°	1077.2	1018.6	398.1	102.7	81.9	77.9	77.9	87.5	93.1	98.7	99.5
37.5°	1156.6	1080.4	313.0	96.3	85.1	75.5	71.4	74.6	81.9	96.3	97.1
40°	1257.8	1147.8	240.8	90.7	79.5	69.0	65.0	68.2	68.2	72.2	73.0
42.5°	1394.2	1228.1	178.2	86.7	74.6	63.4	57.0	53.0	50.6	49.8	50.6
45°	1581.2	1330.8	133.2	82.7	71.4	56.2	47.4	38.5	32.1	32.1	32.9
47.5°	1803.6	1445.6	108.4	76.3	66.6	48.2	36.1	24.9	20.1	20.9	21.7
50°	2040.4	1566.8	94.7	70.6	61.0	39.3	24.1	15.3	12.8	13.6	14.4
52.5°	2259.5	1645.5	89.1	65.0	53.8	30.5	15.3	10.4	9.6	9.6	10.4
55°	2479.4	1704.9	84.3	59.4	43.3	20.1	8.8	8.0	8.0	7.2	7.2
57.5°	2684.1	1740.2	76.3	51.4	30.5	12.0	6.4	6.4	5.6	5.6	5.6
60°	2871.9	1736.2	61.0	38.5	19.3	7.2	4.8	4.8	4.0	4.0	4.0
62.5°	3063.8	1718.5	43.3	27.3	12.8	4.8	3.2	3.2	2.4	1.6	2.4
65°	3179.4	1668.7	28.9	19.3	8.0	3.2	2.4	1.6	0.8	0.0	0.8
67.5°	3131.2	1524.3	21.7	14.4	5.6	2.4	1.6	0.8	0.0	0.0	0.0
68°	3087.0	1478.5	20.1	13.6	4.8	2.4	1.6	0.8	0.0	0.0	0.0
70°	2739.5	1232.1	17.7	11.2	4.0	2.4	1.6	0.8	0.0	0.0	0.0
72.5°	1827.7	800.3	14.4	8.8	3.2	1.6	1.6	0.8	0.0	0.0	0.0
75°	842.8	256.9	11.2	7.2	2.4	1.6	1.6	0.8	0.0	0.0	0.0
77.5°	224.7	54.6	7.2	4.8	2.4	1.6	1.6	0.8	0.8	0.8	0.0
80°	53.8	16.9	4.8	4.0	2.4	1.6	1.6	0.8	0.8	0.8	0.0
82.5°	20.1	8.8	3.2	3.2	2.4	1.6	1.6	0.8	1.6	1.6	0.0
85°	8.8	5.6	3.2	3.2	2.4	1.6	1.6	1.6	1.6	2.4	0.0
87.5°	4.0	4.0	3.2	3.2	3.2	1.6	2.4	2.4	2.4	2.4	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)