

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: P414079

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414079
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-PA1-100-830-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 5991 lumens
Efficiency: N/A
Efficacy: 62.4 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

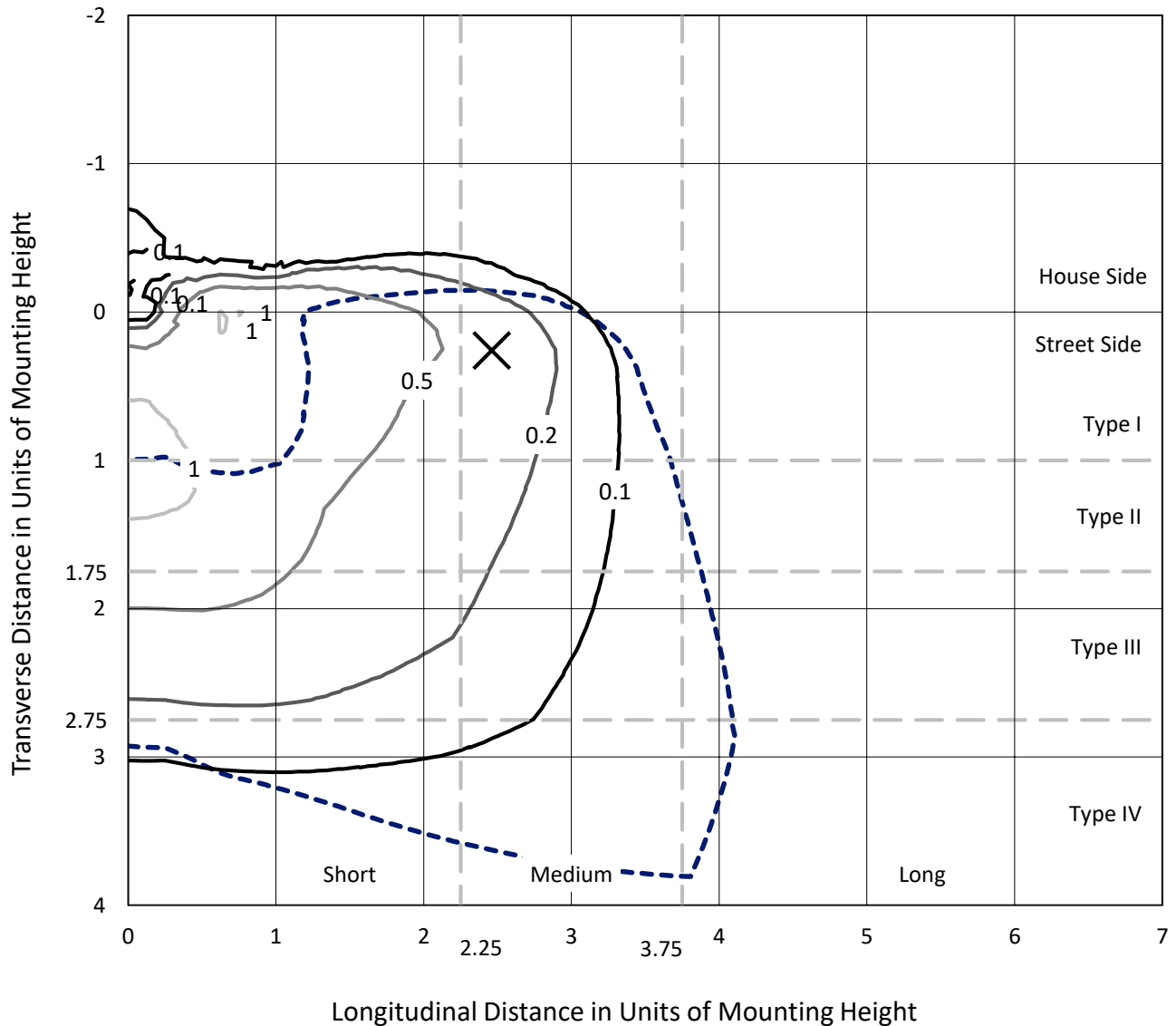


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

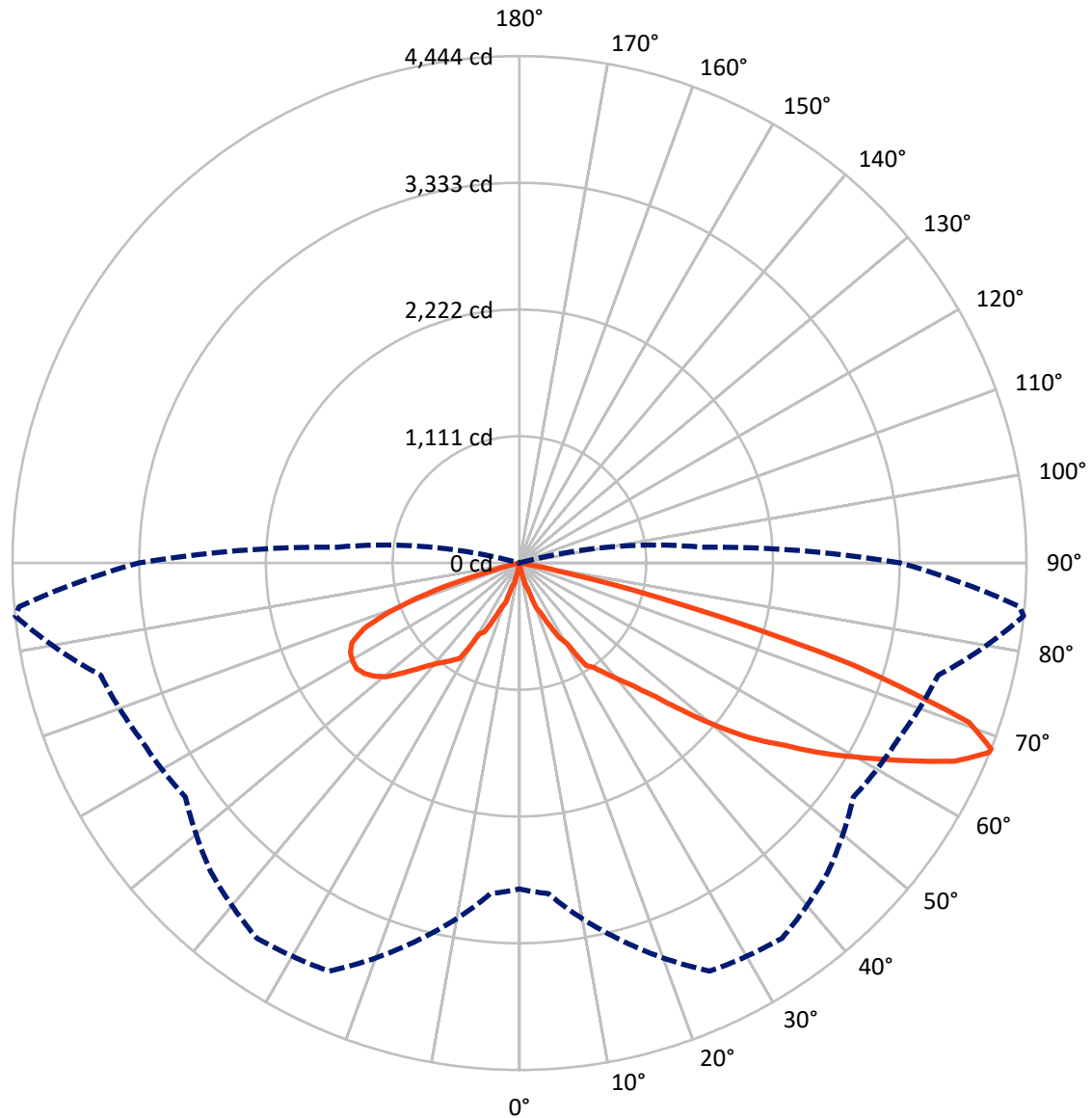


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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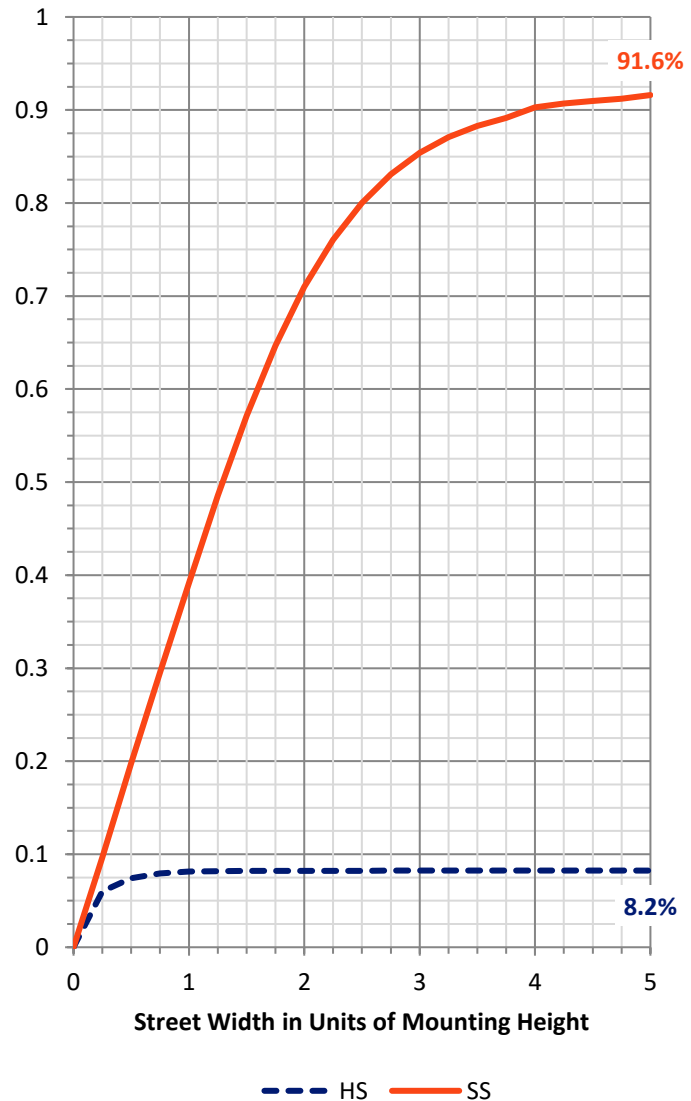
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	497.8	0.0	497.8
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	5493.2	0.0	5493.2
	% Fixture	91.7	0.0	91.7
Total	Lumens	5991.0	0.0	5991.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	54.2	0.9
20°-30°	194.2	3.2
30°-40°	414.8	6.9
40°-50°	741.3	12.4
50°-60°	1315.3	22.0
60°-70°	1890.2	31.6
70°-80°	1272.4	21.2
80°-90°	104.6	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°	5991.0	100.0
0°-180°	5991.0	100.0



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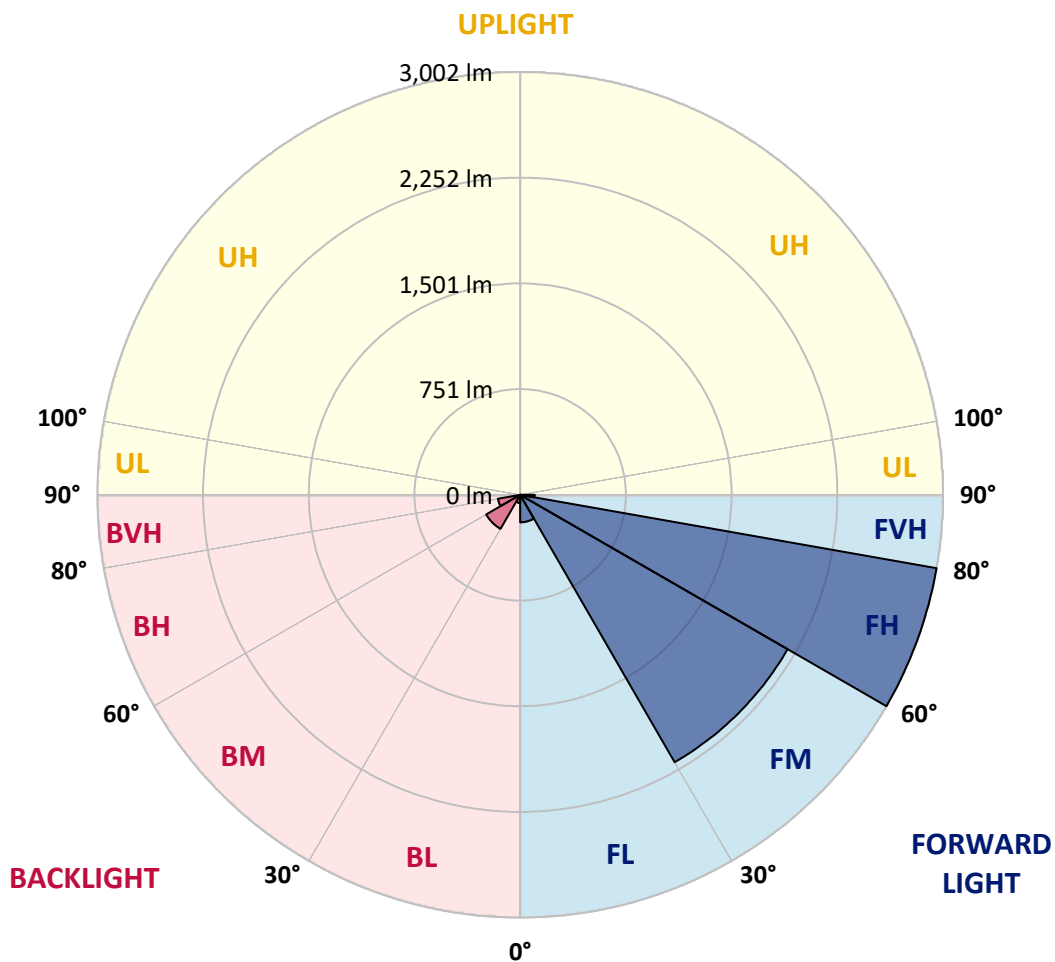
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.3	3.3			
FM (30°-60°)	2192.5	36.6			
FH (60°-80°)	3002.4	50.1			G2/5000
FVH (80°-90°)	103.0	1.7			G2/225
BL (0°-30°)	57.1	1.0	B0/110		
BM (30°-60°)	278.9	4.7	B1/1000		
BH (60°-80°)	160.2	2.7	B1/500		G1/500
BVH (80°-90°)	1.6	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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.9	0.9	0.0	0.9	0.9	1.7	1.7	2.6	2.6	2.6	2.6
5°	46.0	39.0	38.2	33.8	24.3	6.1	1.7	2.6	2.6	2.6	2.6
7.5°	164.9	162.3	160.5	157.1	153.6	118.0	23.4	2.6	2.6	2.6	2.6
10°	177.0	173.5	170.9	166.6	161.4	155.3	148.4	19.1	2.6	2.6	2.6
12.5°	366.2	361.8	250.8	207.4	170.9	162.3	157.1	81.6	75.5	85.9	98.0
15°	385.3	381.8	372.2	360.1	323.7	183.1	246.4	306.3	199.6	212.6	212.6
17.5°	429.5	422.6	389.6	371.4	356.6	392.2	360.1	328.0	215.2	228.2	228.2
20°	601.3	599.6	590.0	412.2	374.8	496.3	392.2	349.7	397.4	414.8	394.8
22.5°	606.5	604.8	597.8	574.4	589.2	510.2	563.1	528.4	542.3	473.8	470.3
25°	804.4	797.4	638.6	584.8	664.7	544.0	669.9	583.1	572.7	591.8	591.8
27.5°	819.1	817.4	812.2	778.3	682.0	770.5	689.8	754.9	769.6	731.5	751.4
30°	932.8	875.5	845.1	825.2	803.5	808.7	805.2	868.6	801.7	817.4	808.7
32.5°	1085.5	1080.3	1064.7	879.8	892.9	844.3	938.8	929.3	1036.9	1070.7	1065.5
35°	1298.1	1214.8	1113.3	1017.8	926.7	1003.1	970.1	1081.1	1108.0	1123.7	1155.8
37.5°	1484.6	1457.7	1363.1	1079.4	1026.5	1032.6	1109.8	1158.4	1198.3	1226.1	1239.9
40°	1655.6	1635.6	1572.3	1261.6	1080.3	1121.1	1184.4	1211.3	1290.3	1341.5	1342.3
42.5°	1908.9	1921.1	1862.1	1426.5	1226.1	1245.1	1298.9	1303.3	1373.6	1475.9	1479.4
45°	2225.6	2209.1	2194.4	1666.0	1364.9	1352.7	1427.4	1416.9	1525.4	1669.4	1686.8
47.5°	2531.1	2507.6	2467.7	1941.9	1557.5	1473.3	1577.5	1586.1	1755.3	1939.3	1946.2
50°	2767.1	2758.4	2718.5	2262.9	1813.5	1639.9	1744.1	1846.5	2026.1	2247.3	2262.1
52.5°	3027.4	3007.4	2937.1	2564.0	2142.3	1890.7	1943.6	2123.2	2311.5	2554.5	2552.8
55°	3200.9	3203.5	3136.7	2871.2	2440.8	2174.4	2195.3	2471.2	2571.8	2820.0	2838.2
57.5°	3431.7	3412.6	3430.9	3232.2	2845.2	2462.5	2511.1	2749.7	2840.0	3146.3	3158.4
60°	3603.5	3610.5	3700.7	3565.4	3158.4	2755.8	2797.4	2977.1	3107.2	3465.6	3503.8
62.5°	3609.6	3646.9	3889.9	3899.4	3497.7	3073.4	3046.5	3209.6	3324.1	3812.6	3858.6
65°	3279.0	3301.6	3849.1	3987.9	3812.6	3384.9	3283.4	3405.7	3538.5	4188.4	4197.0
67.5°	2947.6	2954.5	3482.9	3961.9	4001.8	3758.9	3535.9	3620.0	3748.4	4435.7	4405.3
68°	2857.3	2909.4	3419.6	3947.1	4014.0	3826.5	3574.0	3660.8	3799.6	4443.5	4400.9
70°	2590.1	2645.6	3115.0	3782.3	4007.9	4081.6	3783.1	3795.3	3831.7	4181.4	4045.2
72.5°	1741.5	1778.8	2465.1	3219.1	3877.7	4378.4	4016.6	3715.5	3437.8	3065.6	2945.0
75°	669.9	674.2	1242.5	2212.6	3352.8	4230.0	3770.1	3132.4	2335.0	1492.4	1401.3
77.5°	249.9	245.6	360.1	1025.6	2128.5	3286.8	2814.8	1920.2	972.7	391.3	382.7
80°	88.5	91.1	139.7	308.9	865.1	1920.2	1567.1	781.8	286.3	86.8	79.8
82.5°	34.7	37.3	71.2	146.6	371.4	806.1	669.0	332.3	167.5	33.0	31.2
85°	7.8	8.7	27.8	72.9	141.4	233.4	235.1	203.0	138.8	15.6	14.8
87.5°	0.9	1.7	7.8	9.5	11.3	6.1	20.0	20.8	38.2	6.1	6.1
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.6	2.6	2.6	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0
5°	2.6	2.6	2.6	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0
7.5°	2.6	2.6	2.6	1.7	0.9	0.9	0.0	76.4	79.0	81.6	82.4
10°	2.6	2.6	2.6	1.7	1.7	79.8	93.7	90.2	84.2	81.6	82.4
12.5°	94.6	92.0	29.5	6.1	72.9	87.6	72.0	59.9	53.8	49.5	49.5
15°	206.5	198.7	165.7	126.7	118.9	67.7	46.0	39.0	57.3	69.4	69.4
17.5°	219.5	210.0	185.7	184.0	120.6	59.0	47.7	61.6	65.1	68.5	68.5
20°	425.2	380.9	262.0	176.1	88.5	72.0	59.9	59.0	61.6	65.9	66.8
22.5°	455.5	433.8	329.7	213.5	80.7	78.1	69.4	65.9	88.5	96.3	96.3
25°	578.8	557.9	354.9	170.1	98.0	79.8	87.6	82.4	84.2	91.1	91.1
27.5°	740.1	702.0	466.0	143.2	91.1	86.8	89.4	82.4	97.2	115.4	115.4
30°	820.0	743.6	446.0	126.7	92.8	94.6	85.9	100.7	100.7	107.6	108.5
32.5°	1094.2	1041.2	502.4	106.7	92.8	86.8	93.7	95.4	93.7	121.5	122.3
35°	1164.4	1101.1	430.4	111.1	88.5	84.2	84.2	94.6	100.7	106.7	107.6
37.5°	1250.3	1167.9	338.4	104.1	92.0	81.6	77.2	80.7	88.5	104.1	105.0
40°	1359.7	1240.8	260.3	98.0	85.9	74.6	70.3	73.8	73.8	78.1	79.0
42.5°	1507.2	1327.6	192.6	93.7	80.7	68.5	61.6	57.3	54.7	53.8	54.7
45°	1709.4	1438.6	144.0	89.4	77.2	60.7	51.2	41.6	34.7	34.7	35.6
47.5°	1949.7	1562.7	117.1	82.4	72.0	52.1	39.0	26.9	21.7	22.6	23.4
50°	2205.7	1693.7	102.4	76.4	65.9	42.5	26.0	16.5	13.9	14.8	15.6
52.5°	2442.6	1778.8	96.3	70.3	58.1	33.0	16.5	11.3	10.4	10.4	11.3
55°	2680.3	1843.0	91.1	64.2	46.9	21.7	9.5	8.7	8.7	7.8	7.8
57.5°	2901.6	1881.2	82.4	55.5	33.0	13.0	6.9	6.9	6.1	6.1	6.1
60°	3104.6	1876.8	65.9	41.6	20.8	7.8	5.2	5.2	4.3	4.3	4.3
62.5°	3312.0	1857.7	46.9	29.5	13.9	5.2	3.5	3.5	2.6	1.7	2.6
65°	3436.9	1803.9	31.2	20.8	8.7	3.5	2.6	1.7	0.9	0.0	0.9
67.5°	3384.9	1647.8	23.4	15.6	6.1	2.6	1.7	0.9	0.0	0.0	0.0
68°	3337.2	1598.3	21.7	14.8	5.2	2.6	1.7	0.9	0.0	0.0	0.0
70°	2961.4	1331.9	19.1	12.1	4.3	2.6	1.7	0.9	0.0	0.0	0.0
72.5°	1975.7	865.1	15.6	9.5	3.5	1.7	1.7	0.9	0.0	0.0	0.0
75°	911.1	277.7	12.1	7.8	2.6	1.7	1.7	0.9	0.0	0.0	0.0
77.5°	243.0	59.0	7.8	5.2	2.6	1.7	1.7	0.9	0.9	0.9	0.0
80°	58.1	18.2	5.2	4.3	2.6	1.7	1.7	0.9	0.9	0.9	0.0
82.5°	21.7	9.5	3.5	3.5	2.6	1.7	1.7	0.9	1.7	1.7	0.0
85°	9.5	6.1	3.5	3.5	2.6	1.7	1.7	1.7	1.7	2.6	0.0
87.5°	4.3	4.3	3.5	3.5	3.5	1.7	2.6	2.6	2.6	2.6	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)