

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: P415560

Luminaire Tested: **LXF.LXT-PA1-50-750-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-750-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5125 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B0 - U0 - G1

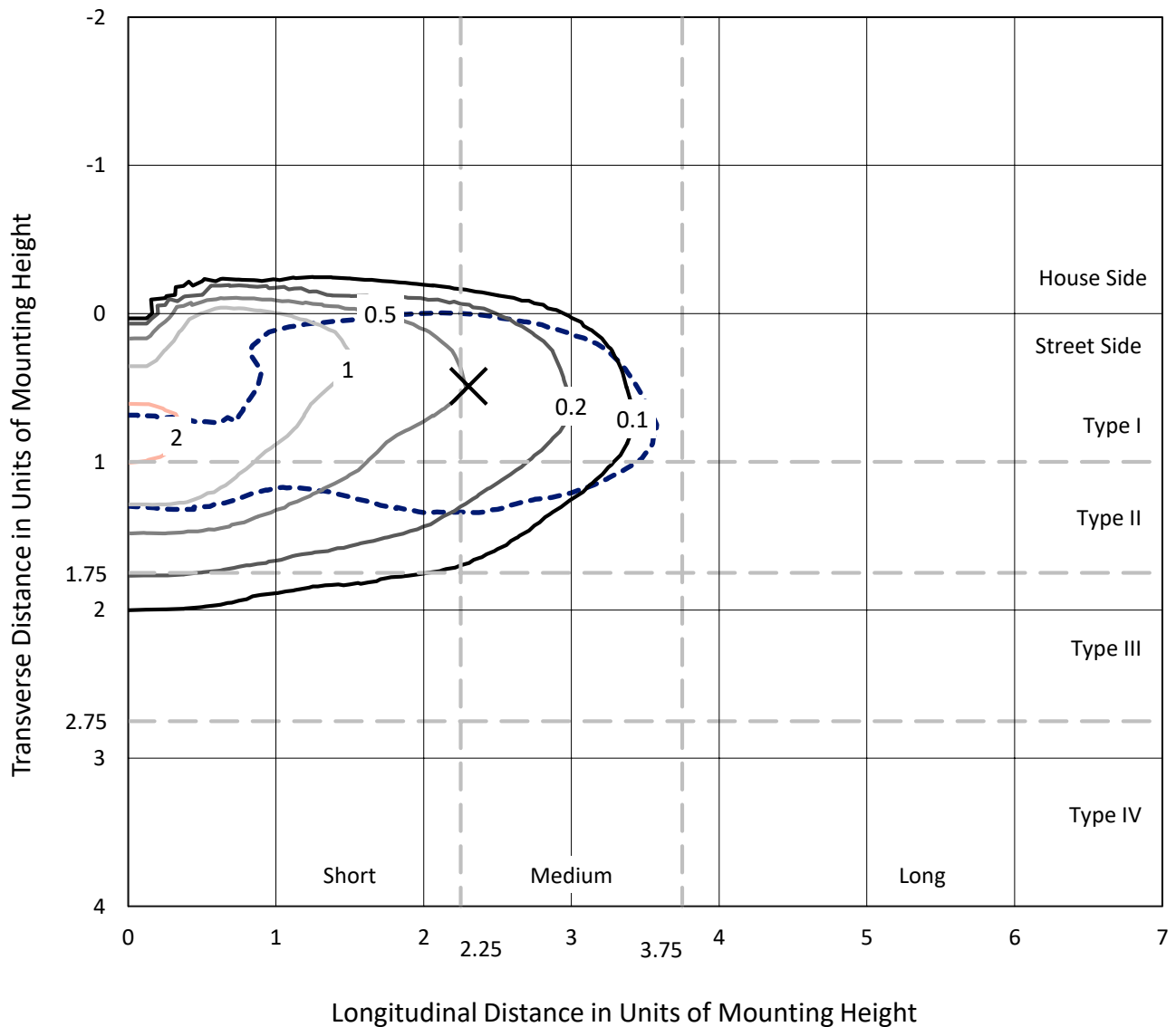
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

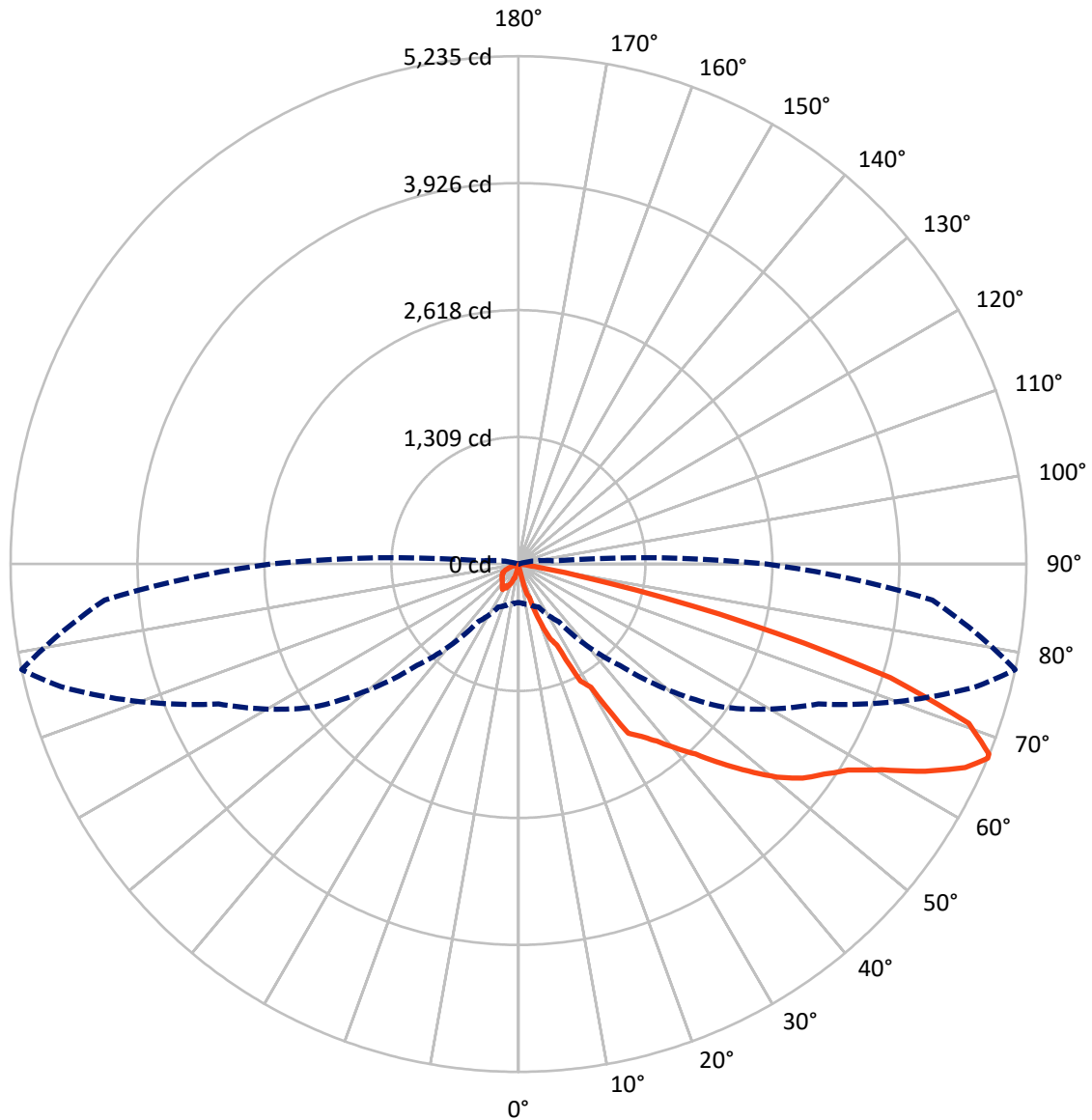
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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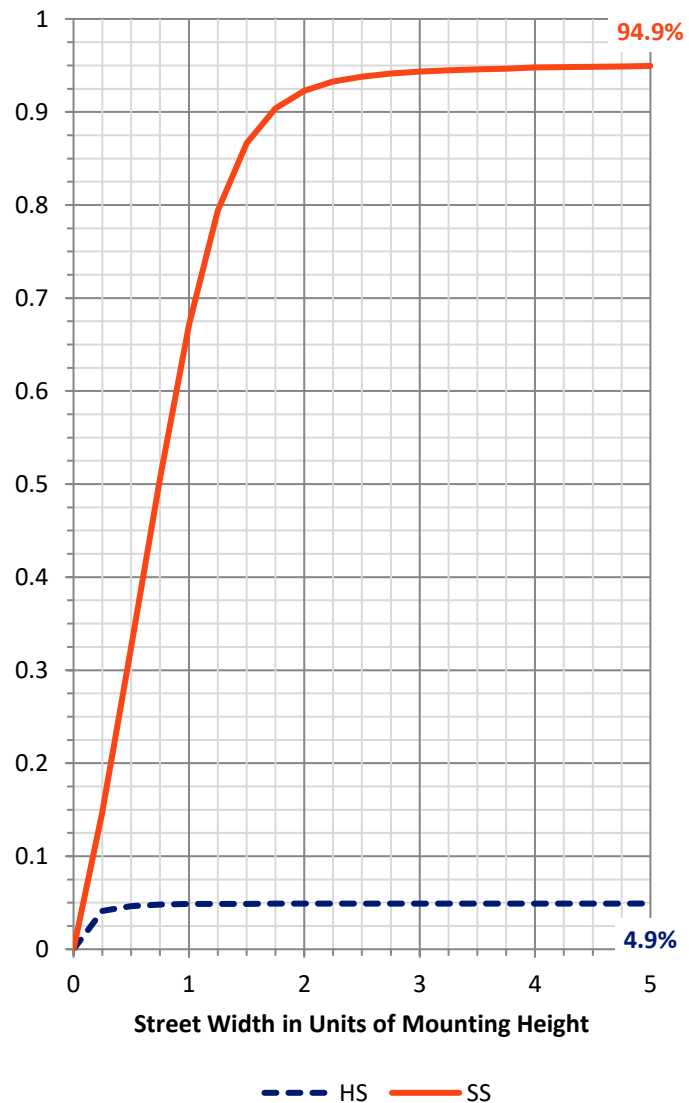
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	253.8	0.0	253.8
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	4871.2	0.0	4871.2
	% Fixture	95.0	0.0	95.0
Total	Lumens	5125.0	0.0	5125.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	69.8	1.4
20°-30°	278.3	5.4
30°-40°	707.9	13.8
40°-50°	1159.0	22.6
50°-60°	1307.0	25.5
60°-70°	1127.0	22.0
70°-80°	453.4	8.8
80°-90°	17.7	0.3
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°	5125.0	100.0
0°-180°	5125.0	100.0

Coefficient of Utilization



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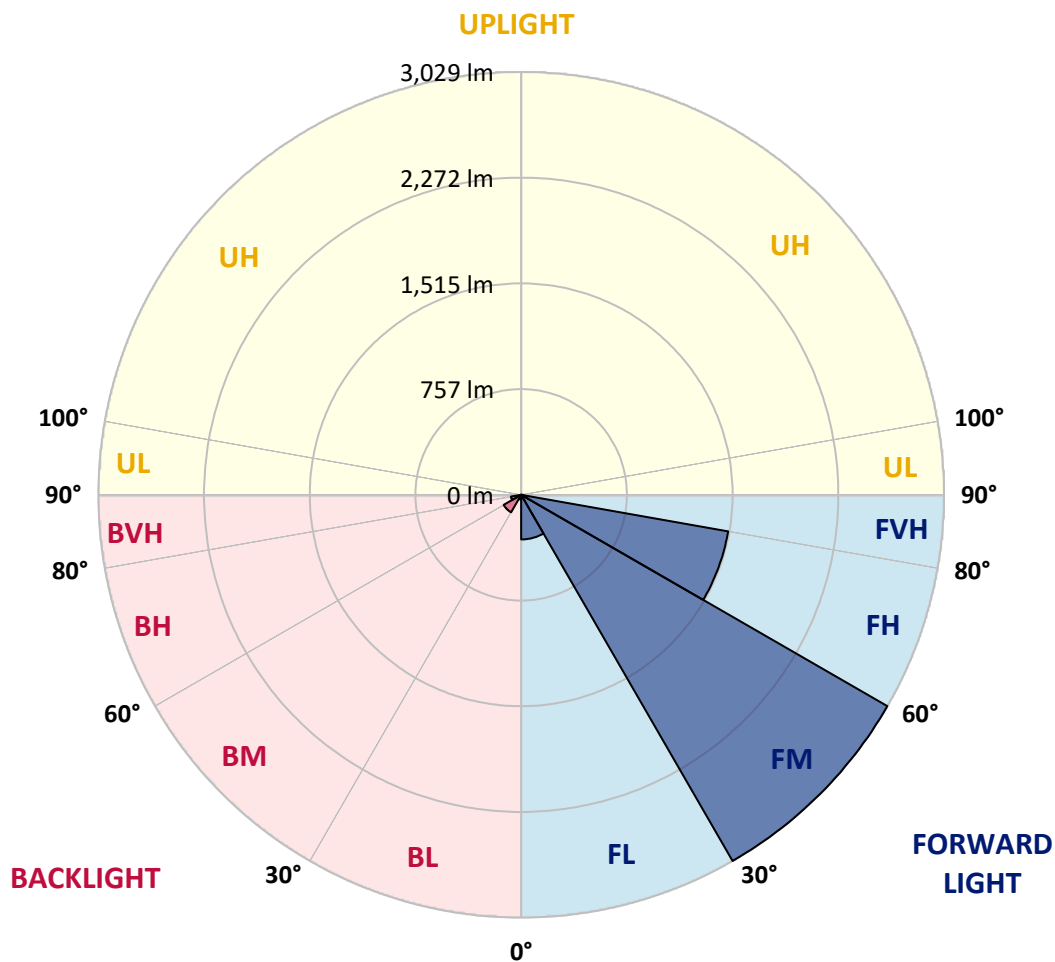
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	319.6	6.2			
FM	(30°-60°)	3029.4	59.1			
FH	(60°-80°)	1506.2	29.4			G1/1800
FVH	(80°-90°)	16.0	0.3			G1/100
BL	(0°-30°)	33.3	0.6	B0/110		
BM	(30°-60°)	144.5	2.8	B0/220		
BH	(60°-80°)	74.2	1.4	B0/110		G0/110
BVH	(80°-90°)	1.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	0.7	0.7	1.4	1.4	2.8	2.8	2.1	2.1	2.1	2.1	2.1
5°	214.6	168.0	119.3	34.6	13.4	6.4	2.8	2.1	2.1	2.1	1.4
7.5°	239.3	237.2	234.4	233.0	228.8	221.7	15.5	2.8	2.1	2.1	2.1
10°	256.3	252.0	251.3	250.6	247.8	242.2	231.6	13.4	2.1	2.1	2.1
12.5°	514.7	512.6	504.1	295.1	265.5	259.8	250.6	180.0	14.1	118.6	128.5
15°	508.3	506.9	512.6	523.9	534.5	285.2	407.4	514.0	315.6	302.2	314.9
17.5°	526.0	525.3	516.1	525.3	541.5	631.9	581.8	560.6	350.2	365.7	336.1
20°	787.9	786.5	794.3	747.0	562.0	787.2	730.7	607.2	687.7	631.9	634.7
22.5°	827.5	830.3	828.2	844.4	975.7	813.3	909.4	943.9	955.2	836.6	722.3
25°	1214.4	1196.7	1160.0	896.6	1052.0	1008.9	1155.0	1020.2	1027.3	925.6	925.6
27.5°	1360.5	1360.5	1330.1	1295.5	1116.2	1295.5	1215.8	1340.0	1461.5	1365.4	1159.3
30°	1846.2	1832.1	1525.7	1481.9	1389.4	1371.1	1467.8	1573.0	1519.4	1474.2	1304.0
32.5°	2195.0	2196.4	2118.8	1881.5	1652.1	1529.2	1700.1	1735.4	2025.6	2078.5	1767.9
35°	2800.8	2765.5	2385.6	2170.3	1944.4	1862.5	1854.0	2032.6	2199.3	2180.9	1916.1
37.5°	3185.6	3160.9	2977.3	2493.7	2204.2	2020.6	2130.8	2139.2	2408.9	2316.5	2093.3
40°	3362.1	3350.8	3195.4	2784.5	2432.2	2236.7	2272.0	2299.5	2619.3	2492.3	2242.3
42.5°	3504.7	3494.1	3352.9	2930.7	2651.1	2443.5	2430.8	2435.8	2789.5	2677.9	2392.7
45°	3573.2	3566.8	3506.1	3059.9	2746.4	2577.7	2603.8	2572.0	2937.7	2930.7	2559.3
47.5°	3506.8	3510.3	3527.3	3174.3	2816.3	2683.6	2771.8	2721.0	3114.3	3188.4	2747.1
50°	3273.1	3271.7	3368.4	3191.2	2856.6	2768.3	2920.1	2861.5	3323.9	3452.4	2916.6
52.5°	2553.7	2647.6	2997.8	3009.1	2847.4	2810.7	3031.6	3023.2	3521.6	3667.1	3086.0
55°	1921.8	1959.9	2292.4	2610.2	2728.8	2805.7	3071.2	3131.9	3667.8	3823.8	3218.7
57.5°	1510.2	1497.5	1679.6	2103.9	2429.4	2722.4	3062.0	3174.3	3810.4	4007.4	3393.8
60°	1104.9	1116.2	1261.0	1525.7	1998.0	2533.2	3033.8	3242.7	4036.3	4303.9	3654.4
62.5°	801.3	801.3	900.9	1062.6	1530.7	2229.6	2972.3	3338.8	4390.0	4706.3	3964.3
65°	539.4	535.9	610.0	692.6	1048.4	1844.8	2807.1	3428.4	4728.9	5060.0	4230.5
67°	396.8	404.5	434.9	489.3	725.1	1477.7	2571.3	3410.8	4885.0	5235.1	4282.7
67.5°	371.4	374.9	416.6	464.6	668.6	1380.3	2504.3	3389.6	4901.9	5230.9	4255.9
70°	269.7	275.3	297.9	312.1	404.5	910.8	1998.7	3056.4	4654.8	4924.5	3869.7
72.5°	144.7	156.7	216.7	215.3	251.3	555.6	1359.1	2268.4	3825.9	4008.8	2970.2
75°	113.0	114.4	129.2	159.6	162.4	309.2	653.8	1318.1	2420.2	2433.7	1649.3
77.5°	82.6	86.1	95.3	101.0	105.9	175.8	228.8	523.9	1071.7	936.2	617.8
80°	55.8	57.9	62.8	74.8	86.8	99.5	74.1	139.8	252.0	195.6	92.5
82.5°	24.0	23.3	43.8	62.8	62.1	40.9	37.4	43.8	50.1	45.9	28.2
85°	1.4	2.1	22.6	30.4	26.1	17.7	23.3	18.4	19.1	18.4	14.1
87.5°	0.7	0.7	2.1	2.8	3.5	3.5	4.2	4.2	5.6	6.4	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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	2.1	2.1	2.1	2.1	2.1	0.7	0.7	0.0	0.0	0.0	0.0
5°	2.1	2.1	2.1	2.1	2.1	0.7	0.0	0.0	0.0	0.0	0.0
7.5°	2.1	2.1	2.1	2.1	2.1	0.7	0.0	7.8	21.2	22.6	21.9
10°	2.1	2.1	2.1	2.1	1.4	18.4	25.4	24.0	23.3	22.6	22.6
12.5°	128.5	108.7	19.8	4.2	18.4	23.3	20.5	20.5	19.8	19.8	19.8
15°	281.0	235.8	110.8	37.4	28.9	19.8	18.4	18.4	30.4	33.2	32.5
17.5°	294.4	237.9	108.7	50.8	41.7	25.4	25.4	32.5	31.8	30.4	30.4
20°	559.9	367.1	125.7	50.1	38.1	40.2	30.4	28.2	26.8	25.4	25.4
22.5°	598.7	431.4	134.8	63.5	40.9	40.2	31.1	26.1	33.2	32.5	32.5
25°	773.1	521.0	122.1	59.3	53.0	36.7	33.2	28.9	28.2	26.8	26.8
27.5°	958.1	616.4	134.8	61.4	48.0	36.0	31.1	25.4	26.8	29.7	29.7
30°	1050.6	617.1	106.6	62.8	45.9	36.7	27.5	28.2	26.8	26.1	25.4
32.5°	1409.9	792.2	102.4	60.0	43.1	31.8	28.2	24.7	22.6	24.7	24.7
35°	1473.5	764.6	89.0	60.7	38.8	28.9	24.0	22.6	22.6	21.9	21.9
37.5°	1543.4	735.0	78.4	53.7	37.4	26.1	20.5	20.5	19.8	21.2	21.2
40°	1620.3	703.9	69.9	46.6	31.8	21.9	18.4	17.7	18.4	18.4	17.7
42.5°	1710.0	673.5	62.8	40.9	26.8	18.4	14.8	14.8	14.8	14.1	14.1
45°	1806.0	649.5	57.9	35.3	22.6	15.5	12.0	11.3	10.6	10.6	10.6
47.5°	1919.7	639.7	53.7	29.7	19.1	12.0	9.2	8.5	7.8	7.1	7.1
50°	2015.0	635.4	47.3	24.7	16.2	9.9	6.4	5.6	4.9	4.2	4.2
52.5°	2099.0	617.1	40.9	19.8	12.7	7.1	4.2	2.8	2.1	2.1	2.1
55°	2182.3	600.1	35.3	16.9	9.2	4.2	2.1	0.7	0.7	1.4	1.4
57.5°	2285.4	581.1	30.4	14.1	7.1	2.8	1.4	0.0	0.7	0.7	1.4
60°	2447.1	561.3	26.8	12.0	4.9	2.1	0.7	0.0	0.0	0.7	0.7
62.5°	2591.8	526.7	23.3	10.6	4.2	2.1	0.7	0.0	0.0	0.0	0.7
65°	2654.6	455.4	20.5	9.2	4.2	2.1	0.7	0.0	0.0	0.0	0.0
67°	2549.4	368.5	18.4	8.5	3.5	1.4	0.7	0.0	0.0	0.0	0.0
67.5°	2500.0	343.8	18.4	7.8	3.5	1.4	0.7	0.7	0.0	0.0	0.0
70°	2122.3	228.0	16.2	7.1	3.5	1.4	1.4	0.7	0.0	0.0	0.0
72.5°	1628.8	132.7	14.1	6.4	3.5	1.4	1.4	0.7	0.7	0.0	0.0
75°	910.8	67.1	11.3	6.4	3.5	2.1	2.1	1.4	1.4	1.4	0.0
77.5°	291.6	36.7	8.5	5.6	3.5	2.1	2.1	1.4	2.1	2.1	0.7
80°	45.9	19.1	6.4	4.2	3.5	1.4	2.1	2.1	2.8	2.8	0.7
82.5°	16.9	10.6	4.9	4.2	3.5	1.4	2.1	2.1	2.8	3.5	0.0
85°	7.8	6.4	4.9	4.2	3.5	1.4	2.1	2.1	2.8	3.5	0.0
87.5°	3.5	4.9	4.2	4.2	3.5	1.4	2.1	2.1	2.8	2.8	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)