

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: P416496

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416496
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-PA1-70-827-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA 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: 4882 lumens
Efficiency: N/A
Efficacy: 66.0 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

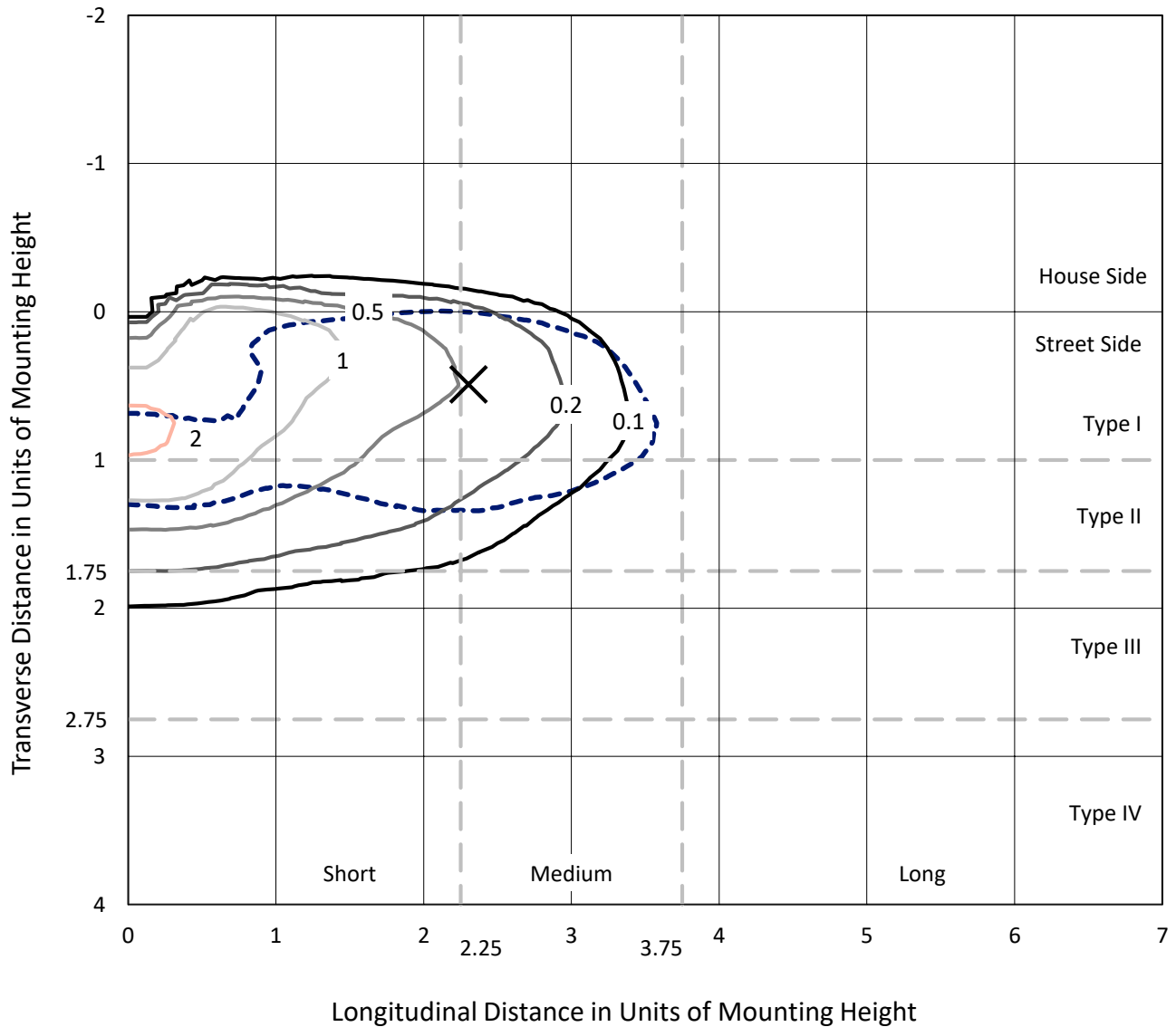
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

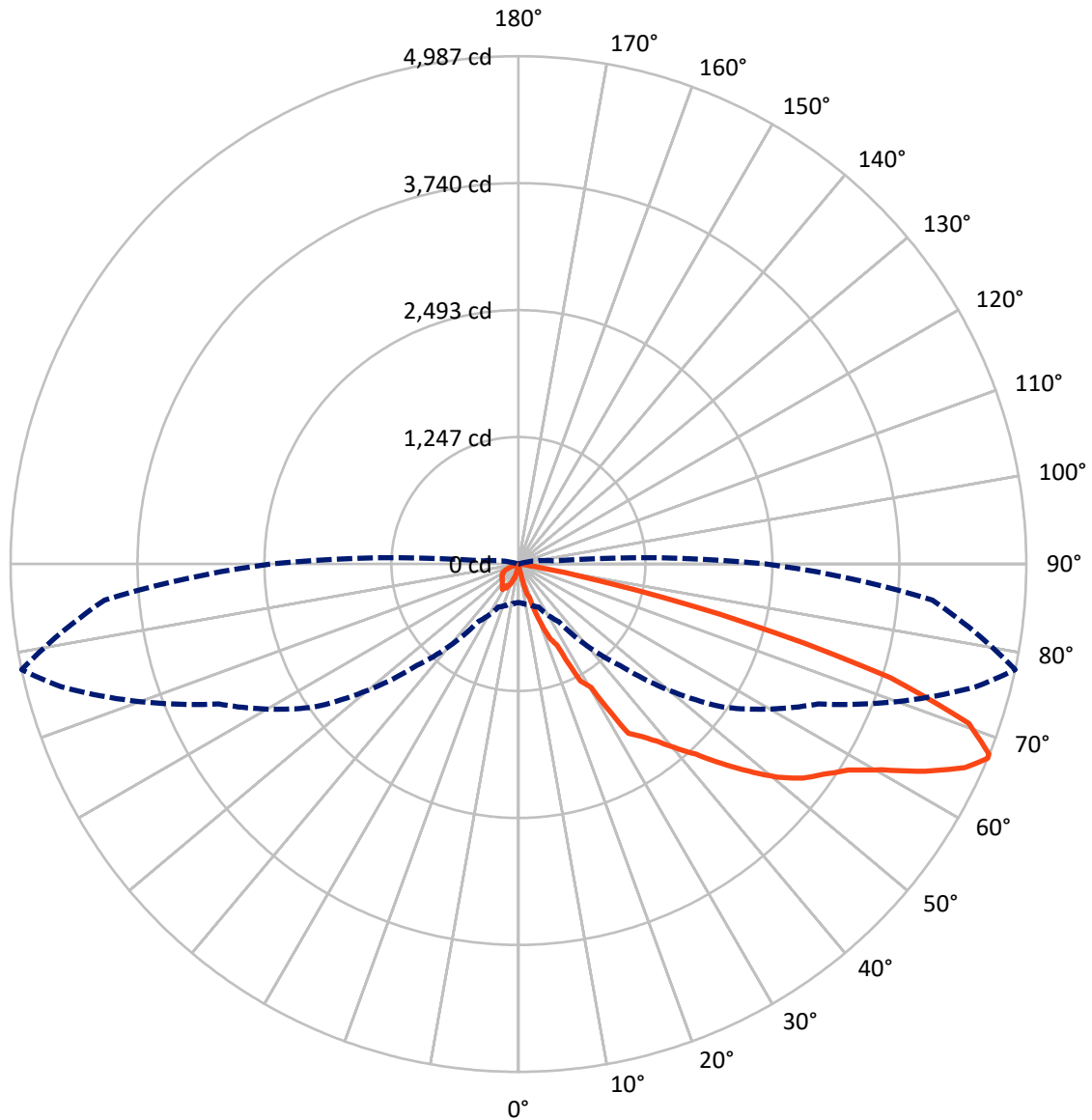
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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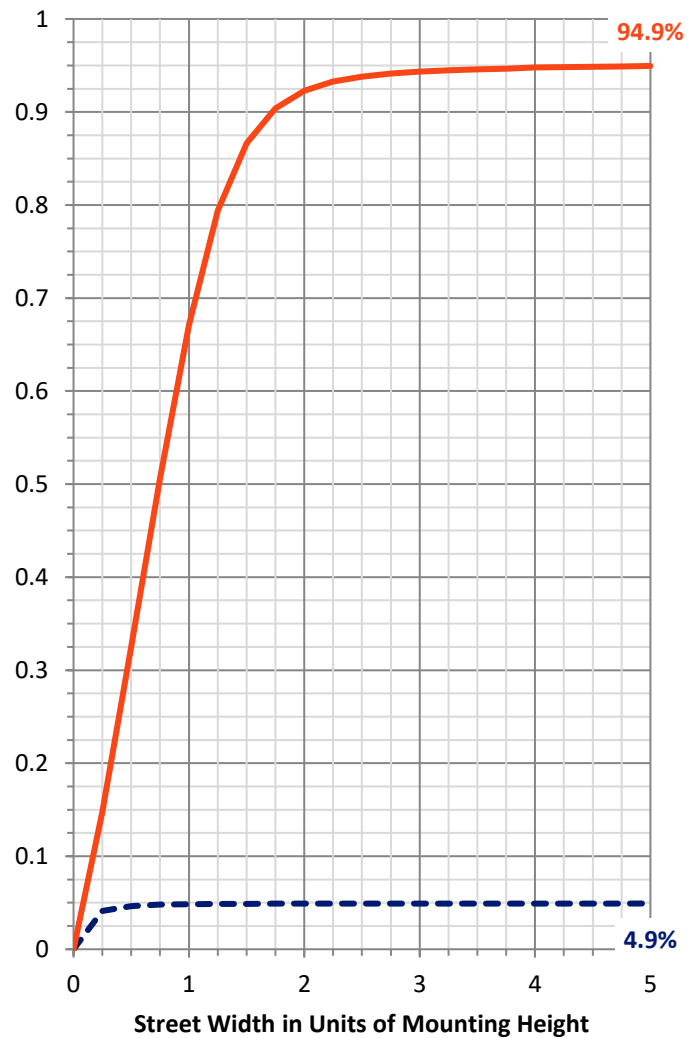
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	241.7	0.0	241.7
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	4640.3	0.0	4640.3
	% Fixture	95.0	0.0	95.0
Total	Lumens	4882.0	0.0	4882.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	66.5	1.4
20°-30°	265.1	5.4
30°-40°	674.3	13.8
40°-50°	1104.1	22.6
50°-60°	1245.0	25.5
60°-70°	1073.6	22.0
70°-80°	431.9	8.8
80°-90°	16.9	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°	4882.0	100.0
0°-180°	4882.0	100.0



--- HS — SS

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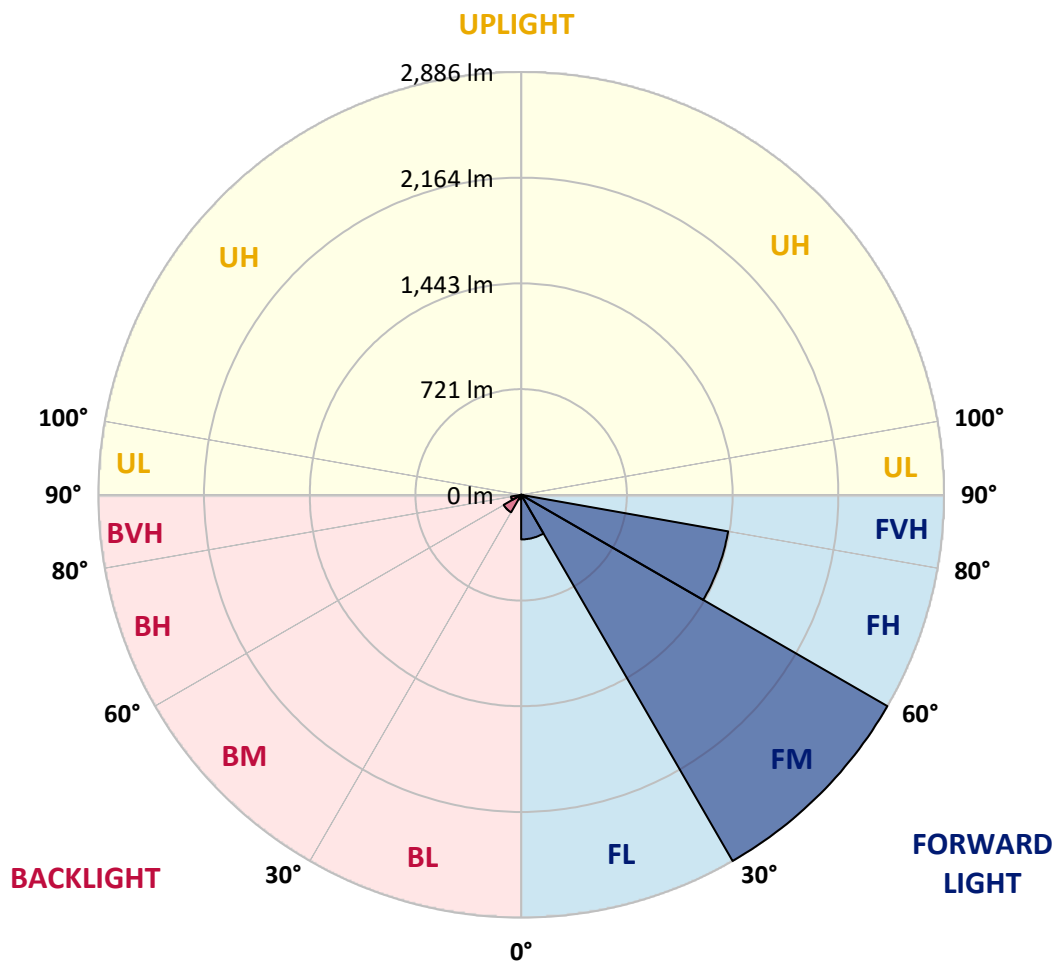
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	304.5	6.2			
FM	(30°-60°)	2885.8	59.1			
FH	(60°-80°)	1434.8	29.4			G1/1800
FVH	(80°-90°)	15.2	0.3			G1/100
BL	(0°-30°)	31.7	0.6	B0/110		
BM	(30°-60°)	137.6	2.8	B0/220		
BH	(60°-80°)	70.7	1.4	B0/110		G0/110
BVH	(80°-90°)	1.7	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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	0.7	0.7	1.3	1.3	2.7	2.7	2.0	2.0	2.0	2.0	2.0
5°	204.5	160.1	113.7	33.0	12.8	6.1	2.7	2.0	2.0	2.0	1.3
7.5°	228.0	226.0	223.3	221.9	217.9	211.2	14.8	2.7	2.0	2.0	2.0
10°	244.1	240.1	239.4	238.8	236.1	230.7	220.6	12.8	2.0	2.0	2.0
12.5°	490.3	488.3	480.2	281.1	252.9	247.5	238.8	171.5	13.5	113.0	122.4
15°	484.2	482.9	488.3	499.0	509.1	271.7	388.1	489.6	300.6	287.8	300.0
17.5°	501.0	500.4	491.6	500.4	515.8	601.9	554.2	534.0	333.6	348.4	320.1
20°	750.6	749.2	756.6	711.6	535.3	749.9	696.1	578.4	655.1	601.9	604.6
22.5°	788.2	790.9	788.9	804.4	929.5	774.8	866.2	899.2	910.0	797.0	688.0
25°	1156.8	1140.0	1105.0	854.1	1002.1	961.1	1100.3	971.8	978.6	881.7	881.7
27.5°	1296.0	1296.0	1267.1	1234.1	1063.3	1234.1	1158.1	1276.5	1392.2	1300.7	1104.3
30°	1758.7	1745.3	1453.4	1411.7	1323.6	1306.1	1398.2	1498.4	1447.3	1404.3	1242.2
32.5°	2090.9	2092.3	2018.3	1792.3	1573.8	1456.7	1619.5	1653.1	1929.5	1980.0	1684.1
35°	2668.0	2634.4	2272.5	2067.4	1852.2	1774.2	1766.1	1936.3	2095.0	2077.5	1825.3
37.5°	3034.5	3011.0	2836.1	2375.4	2099.7	1924.8	2029.7	2037.8	2294.7	2206.6	1994.1
40°	3202.7	3191.9	3043.9	2652.5	2316.9	2130.6	2164.2	2190.5	2495.1	2374.1	2136.0
42.5°	3338.5	3328.4	3193.9	2791.7	2525.4	2327.7	2315.6	2320.3	2657.2	2551.0	2279.3
45°	3403.7	3397.7	3339.9	2914.8	2616.2	2455.5	2480.3	2450.1	2798.5	2791.7	2438.0
47.5°	3340.5	3343.9	3360.0	3023.8	2682.8	2556.3	2640.4	2592.0	2966.6	3037.2	2616.9
50°	3117.9	3116.6	3208.7	3039.9	2721.1	2637.0	2781.6	2725.8	3166.3	3288.7	2778.3
52.5°	2432.6	2522.0	2855.6	2866.4	2712.4	2677.4	2887.9	2879.8	3354.7	3493.2	2939.7
55°	1830.7	1867.0	2183.8	2486.4	2599.4	2672.7	2925.6	2983.4	3493.9	3642.5	3066.1
57.5°	1438.6	1426.5	1600.0	2004.2	2314.2	2593.3	2916.8	3023.8	3629.7	3817.4	3232.9
60°	1052.5	1063.3	1201.2	1453.4	1903.3	2413.1	2889.9	3089.0	3844.9	4099.8	3481.1
62.5°	763.3	763.3	858.2	1012.2	1458.1	2123.9	2831.4	3180.5	4181.9	4483.2	3776.3
65°	513.8	510.5	581.1	659.8	998.7	1757.4	2674.0	3265.9	4504.7	4820.1	4029.9
67°	378.0	385.4	414.3	466.1	690.7	1407.6	2449.4	3249.1	4653.3	4986.9	4079.7
67.5°	353.8	357.1	396.8	442.5	636.9	1314.8	2385.5	3228.9	4669.5	4982.9	4054.1
70°	256.9	262.3	283.8	297.3	385.4	867.6	1904.0	2911.4	4434.1	4691.0	3686.2
72.5°	137.9	149.3	206.5	205.1	239.4	529.3	1294.6	2160.9	3644.5	3818.7	2829.4
75°	107.6	109.0	123.1	152.0	154.7	294.6	622.8	1255.6	2305.5	2318.3	1571.1
77.5°	78.7	82.1	90.8	96.2	100.9	167.5	217.9	499.0	1020.9	891.8	588.5
80°	53.1	55.1	59.9	71.3	82.7	94.8	70.6	133.2	240.1	186.3	88.1
82.5°	22.9	22.2	41.7	59.9	59.2	39.0	35.6	41.7	47.8	43.7	26.9
85°	1.3	2.0	21.5	28.9	24.9	16.8	22.2	17.5	18.2	17.5	13.5
87.5°	0.7	0.7	2.0	2.7	3.4	3.4	4.0	4.0	5.4	6.1	5.4
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	2.0	2.0	2.0	2.0	2.0	0.7	0.7	0.0	0.0	0.0	0.0
5°	2.0	2.0	2.0	2.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0
7.5°	2.0	2.0	2.0	2.0	2.0	0.7	0.0	7.4	20.2	21.5	20.8
10°	2.0	2.0	2.0	2.0	1.3	17.5	24.2	22.9	22.2	21.5	21.5
12.5°	122.4	103.6	18.8	4.0	17.5	22.2	19.5	19.5	18.8	18.8	18.8
15°	267.7	224.6	105.6	35.6	27.6	18.8	17.5	17.5	28.9	31.6	30.9
17.5°	280.5	226.6	103.6	48.4	39.7	24.2	24.2	30.9	30.3	28.9	28.9
20°	533.3	349.7	119.7	47.8	36.3	38.3	28.9	26.9	25.6	24.2	24.2
22.5°	570.3	410.9	128.5	60.5	39.0	38.3	29.6	24.9	31.6	30.9	30.9
25°	736.4	496.3	116.4	56.5	50.4	35.0	31.6	27.6	26.9	25.6	25.6
27.5°	912.6	587.1	128.5	58.5	45.7	34.3	29.6	24.2	25.6	28.2	28.2
30°	1000.7	587.8	101.6	59.9	43.7	35.0	26.2	26.9	25.6	24.9	24.2
32.5°	1343.1	754.6	97.5	57.2	41.0	30.3	26.9	23.5	21.5	23.5	23.5
35°	1403.6	728.4	84.7	57.8	37.0	27.6	22.9	21.5	21.5	20.8	20.8
37.5°	1470.2	700.1	74.7	51.1	35.6	24.9	19.5	19.5	18.8	20.2	20.2
40°	1543.5	670.5	66.6	44.4	30.3	20.8	17.5	16.8	17.5	17.5	16.8
42.5°	1628.9	641.6	59.9	39.0	25.6	17.5	14.1	14.1	14.1	13.5	13.5
45°	1720.4	618.7	55.1	33.6	21.5	14.8	11.4	10.8	10.1	10.1	10.1
47.5°	1828.6	609.3	51.1	28.2	18.2	11.4	8.7	8.1	7.4	6.7	6.7
50°	1919.4	605.3	45.1	23.5	15.5	9.4	6.1	5.4	4.7	4.0	4.0
52.5°	1999.5	587.8	39.0	18.8	12.1	6.7	4.0	2.7	2.0	2.0	2.0
55°	2078.8	571.7	33.6	16.1	8.7	4.0	2.0	0.7	0.7	1.3	1.3
57.5°	2177.0	553.5	28.9	13.5	6.7	2.7	1.3	0.0	0.7	0.7	1.3
60°	2331.0	534.7	25.6	11.4	4.7	2.0	0.7	0.0	0.0	0.7	0.7
62.5°	2468.9	501.7	22.2	10.1	4.0	2.0	0.7	0.0	0.0	0.0	0.7
65°	2528.8	433.8	19.5	8.7	4.0	2.0	0.7	0.0	0.0	0.0	0.0
67°	2428.6	351.1	17.5	8.1	3.4	1.3	0.7	0.0	0.0	0.0	0.0
67.5°	2381.5	327.5	17.5	7.4	3.4	1.3	0.7	0.7	0.0	0.0	0.0
70°	2021.7	217.2	15.5	6.7	3.4	1.3	1.3	0.7	0.0	0.0	0.0
72.5°	1551.6	126.4	13.5	6.1	3.4	1.3	1.3	0.7	0.7	0.0	0.0
75°	867.6	63.9	10.8	6.1	3.4	2.0	2.0	1.3	1.3	1.3	0.0
77.5°	277.8	35.0	8.1	5.4	3.4	2.0	2.0	1.3	2.0	2.0	0.7
80°	43.7	18.2	6.1	4.0	3.4	1.3	2.0	2.0	2.7	2.7	0.7
82.5°	16.1	10.1	4.7	4.0	3.4	1.3	2.0	2.0	2.7	3.4	0.0
85°	7.4	6.1	4.7	4.0	3.4	1.3	2.0	2.0	2.7	3.4	0.0
87.5°	3.4	4.7	4.0	4.0	3.4	1.3	2.0	2.0	2.7	2.7	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)