

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: P266122

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T2U-7027-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266122
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-7027-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 3888.6 lumens
Efficiency: N/A
Efficacy: 60.8 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

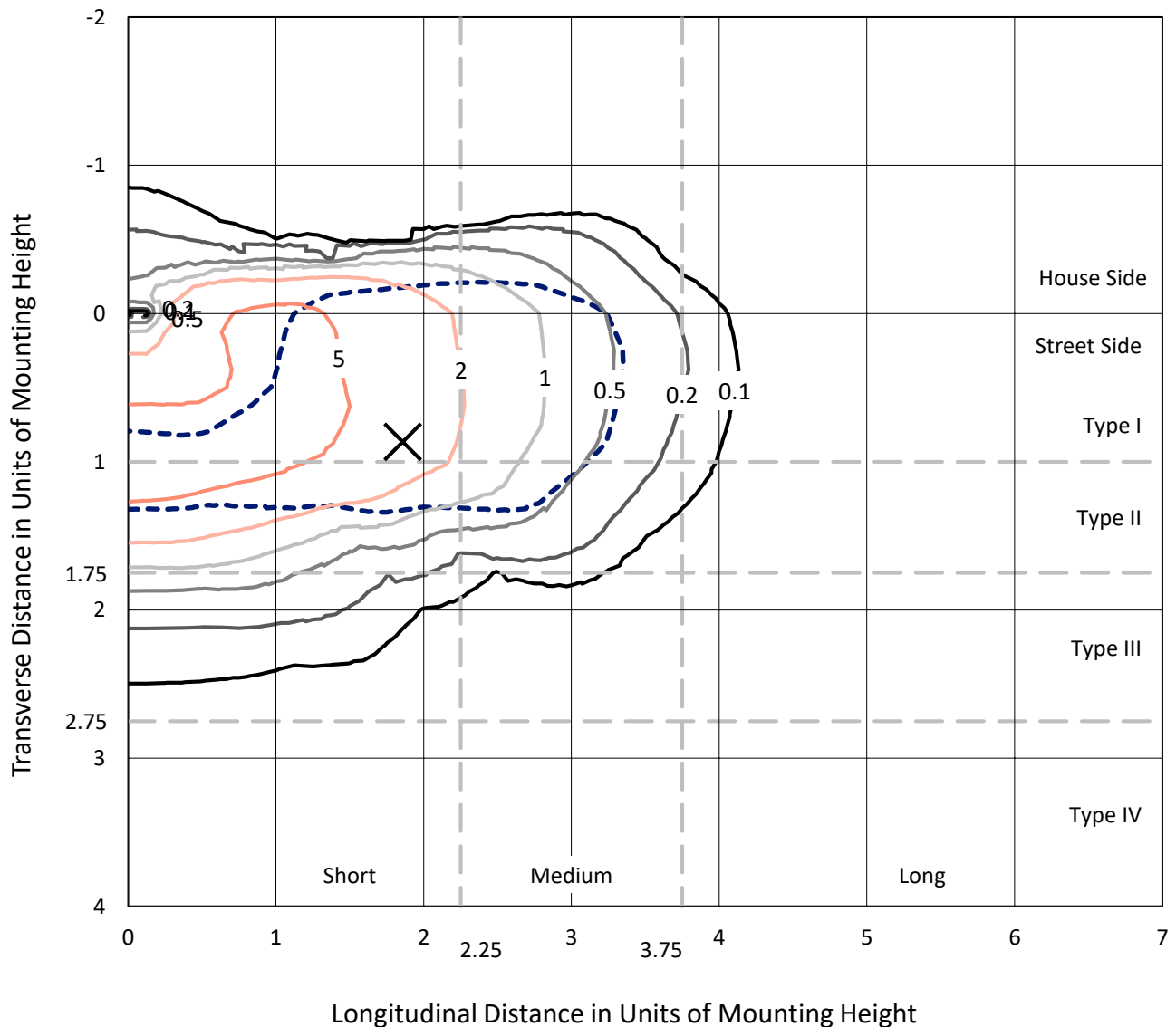


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

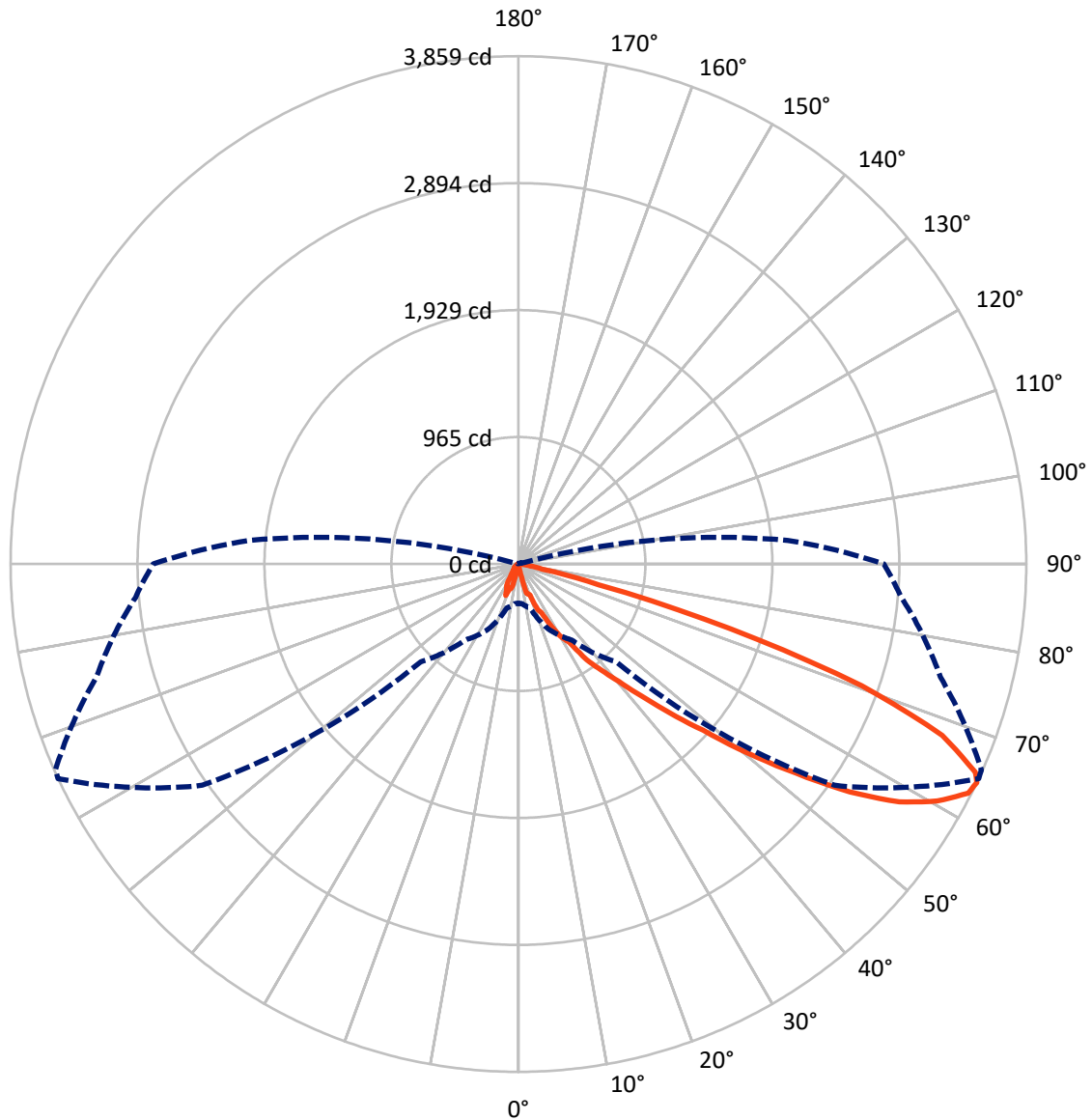


Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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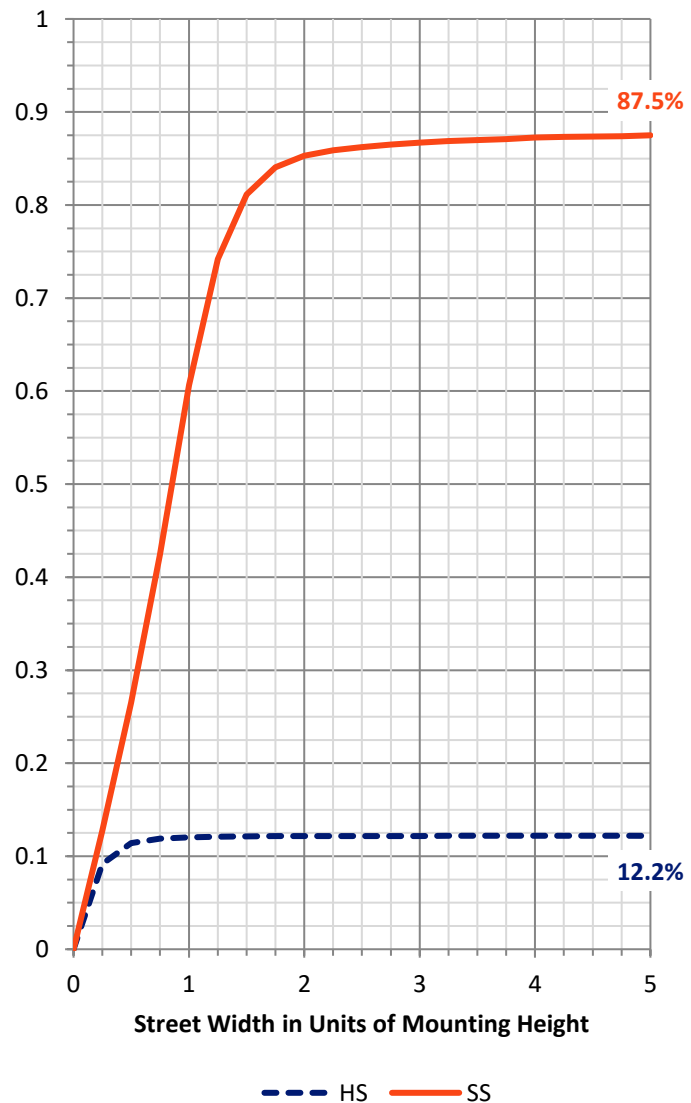
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	479.4	0.0	479.4
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	3409.3	0.0	3409.3
	% Fixture	87.7	0.0	87.7
Total	Lumens	3888.6	0.0	3888.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	38.9	1.0
20°-30°	132.0	3.4
30°-40°	370.3	9.5
40°-50°	859.8	22.1
50°-60°	1201.8	30.9
60°-70°	948.1	24.4
70°-80°	317.5	8.2
80°-90°	17.3	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°	3888.6	100.0
0°-180°	3888.6	100.0

Coefficient of Utilization



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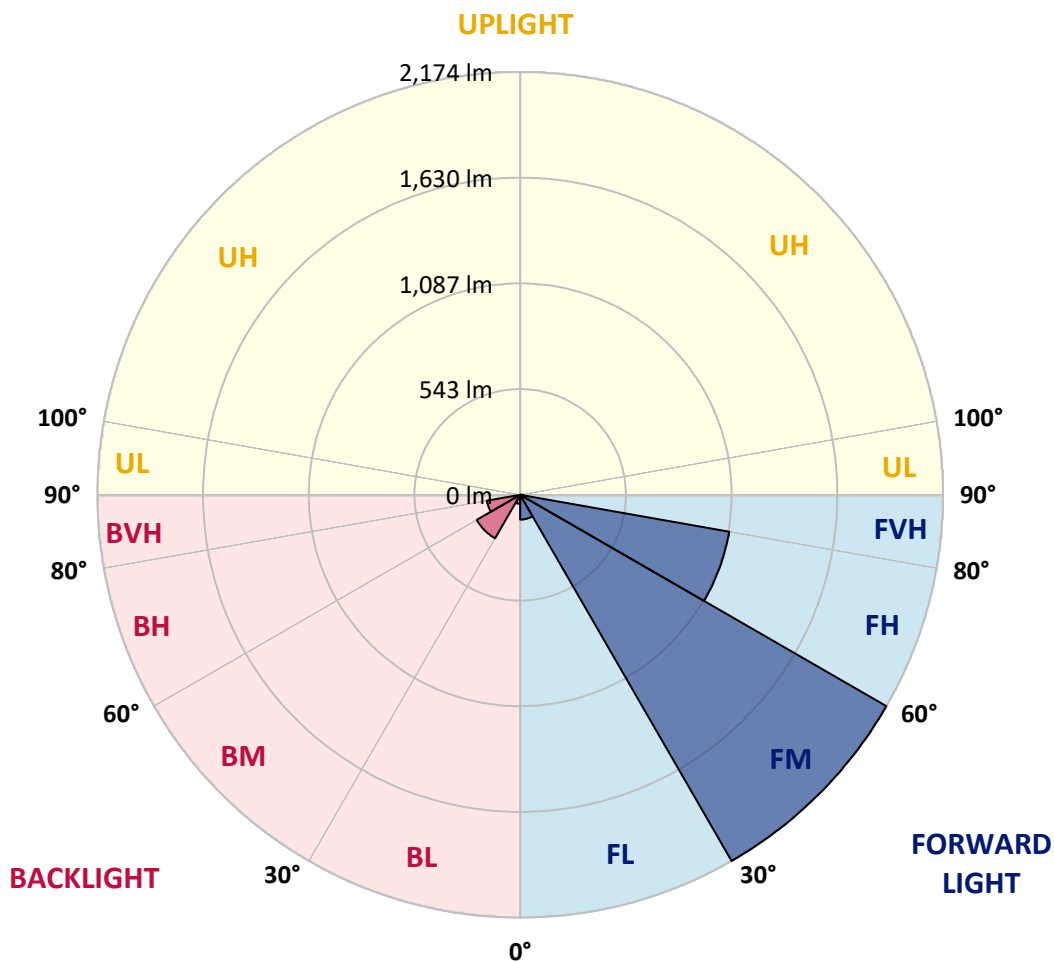
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	127.4	3.3			
FM	(30°-60°)	2173.9	55.9			
FH	(60°-80°)	1091.5	28.1			G1/1800
FVH	(80°-90°)	16.5	0.4			G1/100
BL	(0°-30°)	46.4	1.2	B0/110		
BM	(30°-60°)	258.0	6.6	B1/1000		
BH	(60°-80°)	174.1	4.5	B1/500		G1/500
BVH	(80°-90°)	0.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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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°	76.5	31.8	24.1	14.9	4.5	1.3	0.7	0.0	0.0	0.0	0.0
7.5°	110.3	109.8	109.8	111.0	112.3	102.5	7.7	0.7	0.0	0.0	0.0
10°	105.1	104.6	104.6	106.4	108.4	110.3	111.0	4.0	2.5	0.0	0.0
12.5°	210.4	209.0	201.2	120.2	108.4	109.1	111.7	75.9	45.5	16.9	80.5
15°	207.1	206.4	207.1	211.6	211.6	112.9	168.8	227.9	227.2	148.0	173.4
17.5°	212.3	209.0	207.7	211.0	216.1	249.9	247.4	239.6	240.1	157.2	177.9
20°	305.8	306.4	311.0	237.6	223.9	316.2	280.5	251.9	255.7	301.9	327.2
22.5°	311.0	310.3	316.2	327.2	385.6	324.6	375.9	377.7	386.2	395.3	351.1
25°	429.7	429.1	351.1	344.1	412.2	364.2	450.0	409.0	416.2	417.4	430.4
27.5°	486.3	480.4	484.2	486.3	434.9	511.6	466.1	540.2	517.3	572.0	545.9
30°	619.3	601.1	556.3	563.4	538.2	545.4	564.8	645.3	623.9	606.3	596.6
32.5°	905.6	894.5	850.3	701.8	653.1	593.3	685.4	706.2	708.9	829.7	827.0
35°	1322.9	1245.1	1089.3	979.6	782.2	775.1	760.1	892.6	899.1	945.1	944.5
37.5°	1862.5	1846.8	1625.5	1262.6	1033.4	908.8	945.8	1023.7	999.0	1095.8	1097.1
40°	2190.8	2176.0	1996.8	1684.0	1320.4	1142.6	1097.6	1173.0	1131.4	1298.9	1266.5
42.5°	2427.8	2412.3	2281.8	1991.0	1739.7	1538.4	1336.6	1368.4	1341.8	1491.7	1477.4
45°	2569.3	2547.2	2491.4	2244.8	2084.4	1999.4	1681.3	1611.9	1618.3	1733.9	1718.3
47.5°	2561.5	2527.8	2542.1	2391.5	2375.8	2423.3	2110.4	1888.3	1962.3	2024.1	1983.7
50°	2358.9	2332.4	2412.8	2433.0	2566.7	2757.5	2564.8	2256.5	2349.2	2310.4	2226.5
52.5°	1983.7	1988.9	2105.8	2242.2	2599.9	2988.0	3001.1	2641.3	2767.4	2569.3	2447.3
55°	1586.5	1600.8	1728.7	1893.5	2397.3	3063.3	3365.2	3055.6	3165.3	2782.9	2607.1
57.5°	1166.4	1189.3	1349.7	1489.7	1972.0	2871.3	3545.0	3411.4	3476.9	2966.7	2732.3
60°	691.3	703.7	916.6	1119.7	1428.8	2301.8	3537.9	3656.0	3678.1	3156.9	2832.3
62.5°	408.3	414.7	486.3	755.7	941.2	1509.3	3268.6	3834.5	3828.0	3278.3	2901.0
64°	298.0	302.5	346.7	548.5	703.7	1050.9	2930.9	3858.6	3850.8	3319.1	2920.5
65°	249.3	253.1	284.4	433.1	585.5	803.7	2556.3	3815.7	3810.5	3339.9	2919.2
67.5°	200.0	200.6	209.7	253.9	398.6	421.9	1480.0	3473.7	3458.0	3361.3	2871.3
70°	179.1	181.7	197.9	200.0	291.5	277.1	520.6	2766.7	2733.0	3191.1	2759.6
72.5°	142.1	146.1	172.0	196.0	210.4	207.7	237.6	1687.1	1700.9	2344.8	2313.0
75°	99.4	103.2	129.8	162.4	166.1	152.0	171.3	633.6	625.1	1158.0	1345.0
77.5°	61.7	63.6	81.1	116.9	154.5	100.6	119.5	183.8	196.6	359.1	367.4
80°	41.0	41.5	51.4	77.3	107.1	90.9	71.4	92.9	94.9	112.9	55.9
82.5°	22.6	23.4	32.5	48.7	64.3	80.5	46.2	55.9	59.1	70.1	29.9
85°	7.7	8.4	16.9	27.3	38.9	38.9	29.9	33.7	34.5	44.1	15.6
87.5°	0.0	0.0	4.0	7.1	6.5	2.5	6.5	5.2	4.5	7.1	2.5
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°	0.0	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	0.7	0.0	0.0	0.0	0.0	81.7	90.2	90.9	92.2
10°	0.0	0.0	0.7	0.7	0.0	87.0	92.2	90.2	85.7	84.4	83.2
12.5°	83.2	79.9	11.0	2.5	73.3	90.9	81.7	70.1	59.1	55.9	53.2
15°	171.3	169.4	151.3	166.1	103.2	78.0	57.9	62.3	52.6	49.3	48.0
17.5°	174.0	171.3	161.7	195.4	160.9	79.2	53.2	42.8	38.9	37.6	37.0
20°	330.4	320.6	234.9	192.1	123.3	80.5	41.0	34.5	31.8	35.0	37.0
22.5°	340.2	329.0	283.7	257.8	103.2	52.6	38.9	37.6	39.5	37.6	37.6
25°	429.1	396.6	311.6	211.6	91.5	46.7	44.1	34.5	31.8	30.5	30.5
27.5°	533.0	508.4	430.4	198.6	61.7	49.3	38.3	29.9	33.1	33.1	33.1
30°	570.0	535.6	434.9	174.0	54.5	44.7	32.5	32.5	29.3	27.8	27.8
32.5°	818.5	768.6	558.2	122.0	49.3	37.6	32.5	27.3	26.6	28.6	28.6
35°	912.0	853.6	544.1	90.2	43.5	34.5	27.8	26.6	25.3	25.3	25.3
37.5°	1036.7	967.8	499.2	66.8	41.0	29.3	24.7	23.4	24.1	25.3	26.1
40°	1199.6	1116.6	462.8	55.2	35.0	25.3	22.1	22.6	22.6	22.6	22.6
42.5°	1391.7	1276.9	409.0	49.3	29.9	22.6	20.1	20.1	20.8	20.8	20.8
45°	1612.5	1452.2	333.7	43.5	26.1	19.5	18.1	18.1	18.1	17.5	18.1
47.5°	1846.1	1641.7	253.1	38.3	22.1	17.5	16.2	15.6	15.6	14.9	15.6
50°	2078.6	1818.3	185.1	33.1	19.5	15.6	13.7	13.7	13.7	12.9	12.9
52.5°	2264.3	1937.7	131.2	28.6	16.9	13.7	11.7	11.0	11.0	10.4	10.4
55°	2420.0	2009.1	96.1	24.1	14.9	11.7	9.7	9.2	9.2	8.4	9.2
57.5°	2540.1	2054.0	72.8	19.5	12.9	9.7	7.7	7.1	7.1	7.1	7.1
60°	2641.3	2068.8	55.9	16.2	11.0	7.7	6.5	5.8	5.8	5.2	5.8
62.5°	2735.5	2064.9	46.2	14.4	9.7	6.5	5.2	4.5	4.0	3.2	4.0
64°	2775.8	2054.6	41.5	12.3	9.2	5.8	4.5	4.0	3.2	1.9	2.5
65°	2792.7	2038.3	38.3	11.0	8.4	5.2	4.5	4.0	1.9	1.3	1.9
67.5°	2778.4	1954.6	29.9	9.7	6.5	4.0	3.2	2.5	0.7	0.7	1.3
70°	2619.4	1776.8	22.6	8.4	5.8	3.2	2.5	1.9	1.3	0.7	1.3
72.5°	2057.2	1277.5	17.5	6.5	4.5	1.9	2.5	1.9	1.3	0.7	0.0
75°	1103.6	479.8	12.9	5.2	4.0	1.9	1.9	1.3	0.7	0.7	0.0
77.5°	284.4	151.3	9.2	3.2	3.2	1.3	1.3	1.3	0.7	0.7	0.0
80°	44.1	21.4	4.0	2.5	1.9	0.7	1.3	0.7	0.7	1.3	0.0
82.5°	18.1	8.4	2.5	1.9	1.9	0.0	1.3	0.7	0.7	0.7	0.0
85°	4.5	3.2	1.9	1.3	1.3	0.0	0.7	0.0	0.7	0.7	0.0
87.5°	0.7	1.3	1.3	1.3	1.3	0.0	0.7	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)