

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: P416132

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416132
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-PA1-60-830-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 800mA 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: 4706 lumens
Efficiency: N/A
Efficacy: 73.5 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

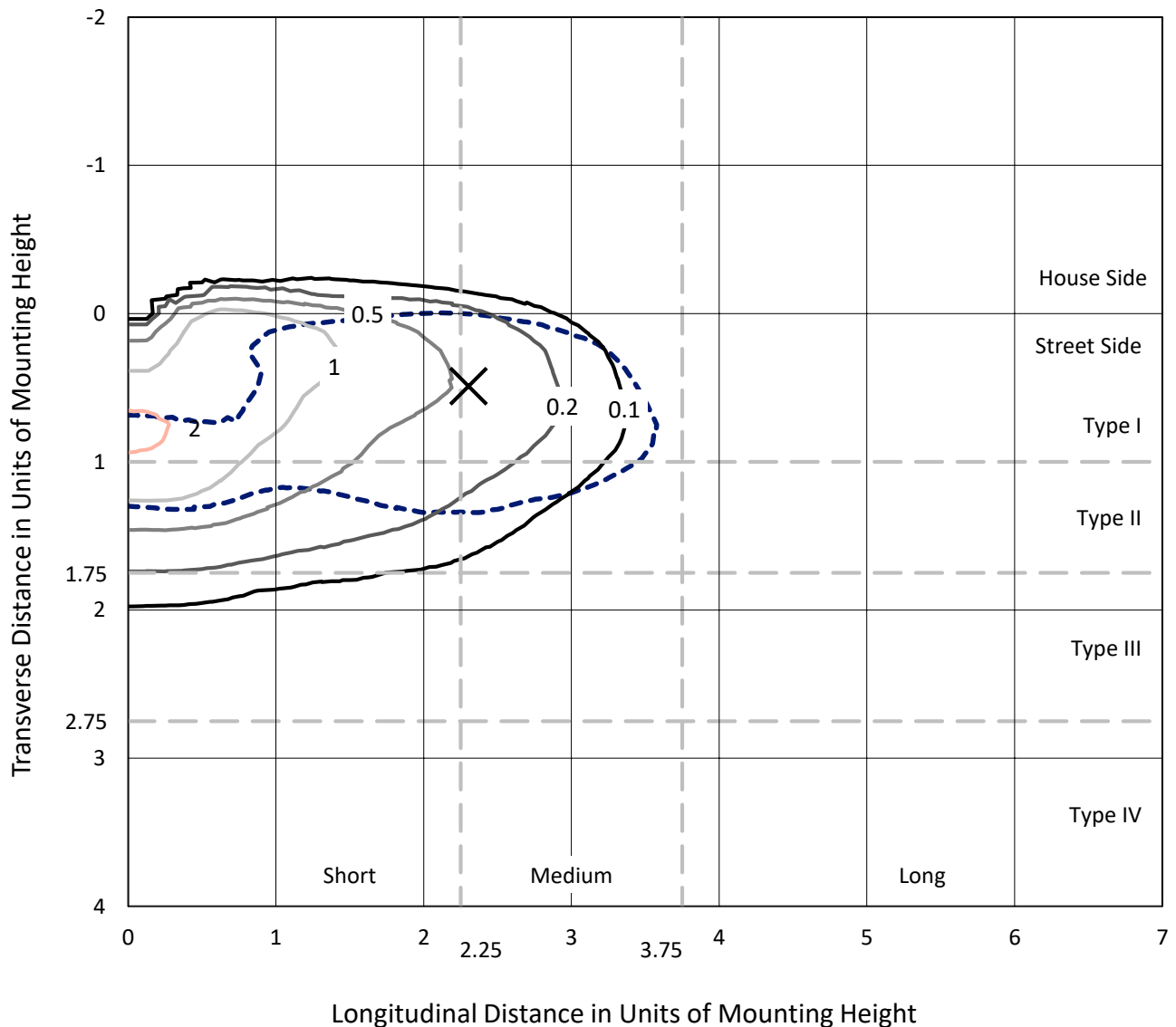
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

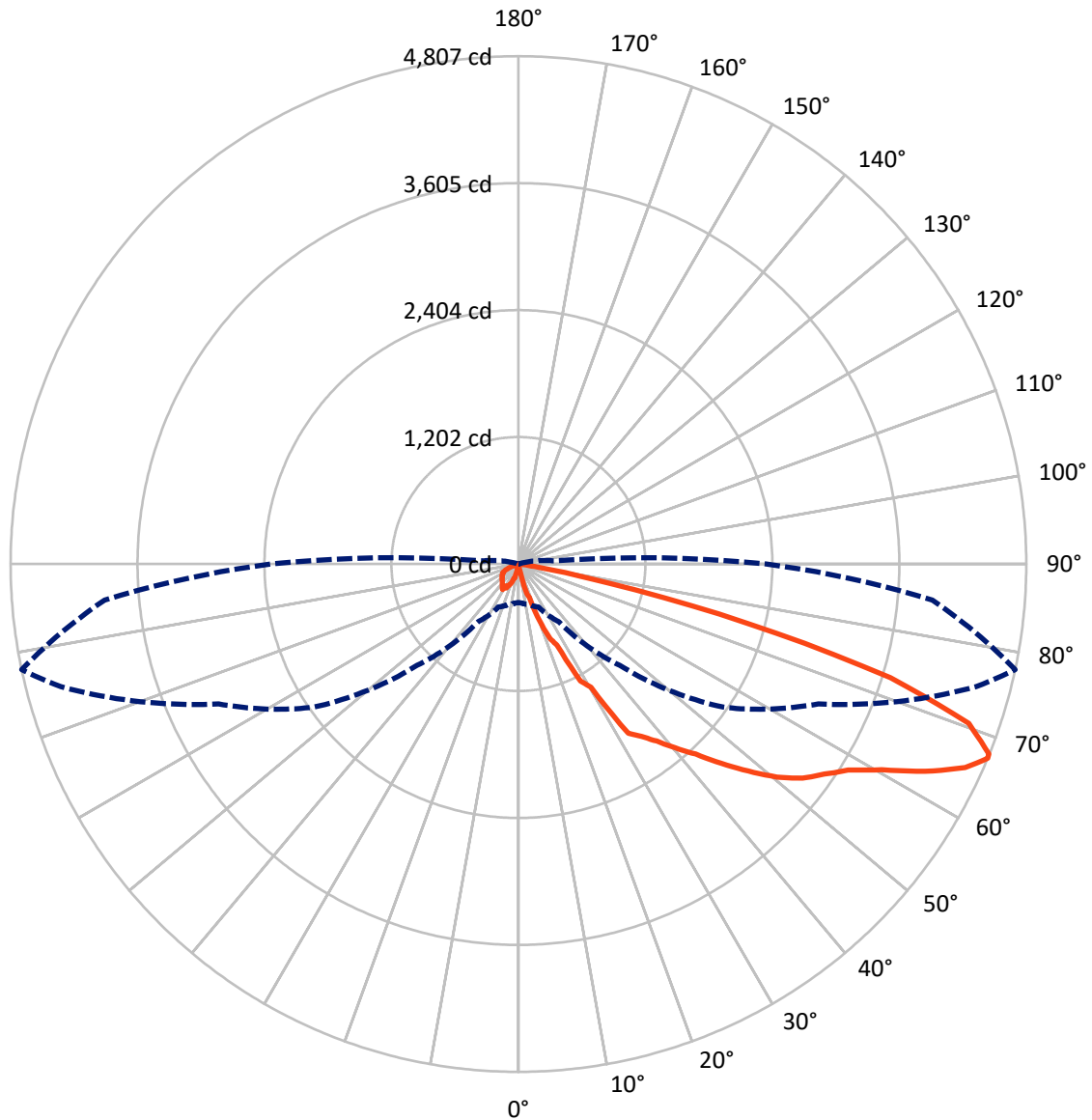
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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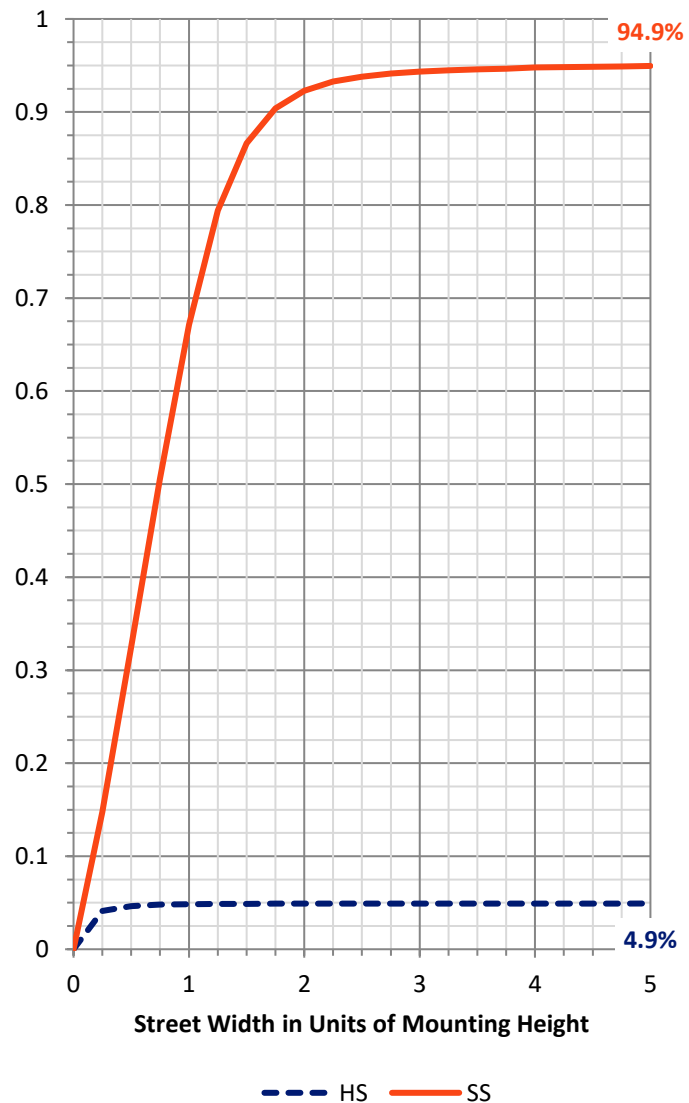
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	233.0	0.0	233.0
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	4473.0	0.0	4473.0
	% Fixture	95.0	0.0	95.0
Total	Lumens	4706.0	0.0	4706.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	64.1	1.4
20°-30°	255.5	5.4
30°-40°	650.0	13.8
40°-50°	1064.3	22.6
50°-60°	1200.1	25.5
60°-70°	1034.9	22.0
70°-80°	416.3	8.8
80°-90°	16.3	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°	4706.0	100.0
0°-180°	4706.0	100.0

Coefficient of Utilization



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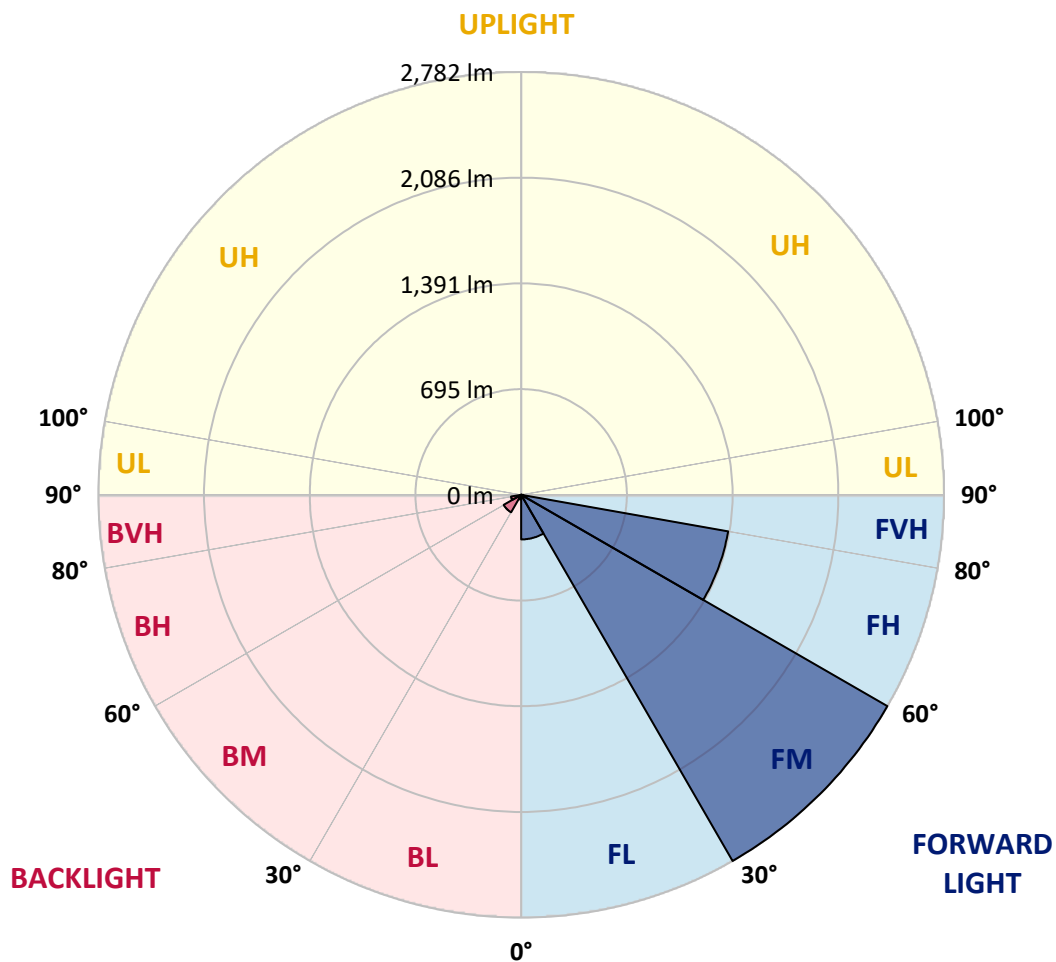
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	293.5	6.2			
FM	(30°-60°)	2781.7	59.1			
FH	(60°-80°)	1383.1	29.4			G1/1800
FVH	(80°-90°)	14.7	0.3			G1/100
BL	(0°-30°)	30.6	0.6	B0/110		
BM	(30°-60°)	132.7	2.8	B0/220		
BH	(60°-80°)	68.1	1.4	B0/110		G0/110
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: 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°	0.6	0.6	1.3	1.3	2.6	2.6	1.9	1.9	1.9	1.9	1.9
5°	197.1	154.3	109.6	31.8	12.3	5.8	2.6	1.9	1.9	1.9	1.3
7.5°	219.8	217.8	215.2	213.9	210.0	203.6	14.3	2.6	1.9	1.9	1.9
10°	235.3	231.4	230.8	230.1	227.6	222.4	212.6	12.3	1.9	1.9	1.9
12.5°	472.6	470.7	462.9	271.0	243.8	238.6	230.1	165.3	13.0	108.9	118.0
15°	466.8	465.5	470.7	481.0	490.8	261.9	374.1	472.0	289.8	277.5	289.1
17.5°	483.0	482.3	473.9	482.3	497.2	580.2	534.2	514.7	321.6	335.8	308.6
20°	723.5	722.2	729.3	685.9	516.0	722.9	671.0	557.5	631.4	580.2	582.8
22.5°	759.8	762.4	760.5	775.4	895.9	746.8	835.0	866.8	877.1	768.2	663.2
25°	1115.1	1098.9	1065.2	823.3	966.0	926.4	1060.6	936.8	943.3	849.9	849.9
27.5°	1249.3	1249.3	1221.4	1189.6	1025.0	1189.6	1116.4	1230.5	1342.0	1253.8	1064.5
30°	1695.3	1682.3	1401.0	1360.8	1275.9	1259.0	1347.8	1444.4	1395.1	1353.6	1197.4
32.5°	2015.6	2016.9	1945.5	1727.7	1517.0	1404.2	1561.1	1593.5	1860.0	1908.6	1623.3
35°	2571.8	2539.4	2190.6	1992.9	1785.4	1710.2	1702.4	1866.5	2019.4	2002.6	1759.5
37.5°	2925.1	2902.4	2733.9	2289.8	2024.0	1855.4	1956.6	1964.3	2212.0	2127.1	1922.2
40°	3087.2	3076.8	2934.2	2556.9	2233.4	2053.8	2086.2	2111.5	2405.2	2288.5	2059.0
42.5°	3218.2	3208.4	3078.8	2691.1	2434.4	2243.8	2232.1	2236.6	2561.4	2459.0	2197.1
45°	3281.0	3275.2	3219.4	2809.7	2521.9	2366.9	2390.9	2361.8	2697.6	2691.1	2350.1
47.5°	3220.1	3223.3	3238.9	2914.7	2586.1	2464.2	2545.2	2498.5	2859.6	2927.7	2522.5
50°	3005.5	3004.2	3093.0	2930.3	2623.0	2542.0	2681.4	2627.6	3052.2	3170.2	2678.1
52.5°	2344.9	2431.1	2752.7	2763.0	2614.6	2580.9	2783.8	2776.0	3233.7	3367.3	2833.7
55°	1764.7	1799.7	2105.0	2396.8	2505.7	2576.3	2820.1	2875.9	3367.9	3511.2	2955.6
57.5°	1386.7	1375.0	1542.3	1931.9	2230.8	2499.8	2811.7	2914.7	3498.9	3679.7	3116.4
60°	1014.6	1025.0	1157.9	1401.0	1834.7	2326.1	2785.7	2977.6	3706.3	3952.0	3355.6
62.5°	735.8	735.8	827.2	975.7	1405.5	2047.3	2729.3	3065.8	4031.1	4321.6	3640.2
65°	495.3	492.1	560.1	636.0	962.7	1694.0	2577.6	3148.1	4342.3	4646.4	3884.6
67°	364.3	371.5	399.4	449.3	665.8	1356.9	2361.1	3131.9	4485.6	4807.1	3932.6
67.5°	341.0	344.2	382.5	426.6	613.9	1267.4	2299.5	3112.5	4501.1	4803.2	3907.9
70°	247.6	252.8	273.6	286.5	371.5	836.3	1835.3	2806.5	4274.2	4521.9	3553.3
72.5°	132.9	143.9	199.0	197.7	230.8	510.2	1248.0	2083.0	3513.1	3681.0	2727.4
75°	103.7	105.0	118.6	146.5	149.1	284.0	600.3	1210.4	2222.4	2234.7	1514.4
77.5°	75.9	79.1	87.5	92.7	97.2	161.4	210.0	481.0	984.1	859.6	567.3
80°	51.2	53.2	57.7	68.7	79.7	91.4	68.1	128.4	231.4	179.6	84.9
82.5°	22.0	21.4	40.2	57.7	57.1	37.6	34.4	40.2	46.0	42.1	25.9
85°	1.3	1.9	20.7	27.9	24.0	16.2	21.4	16.9	17.5	16.9	13.0
87.5°	0.6	0.6	1.9	2.6	3.2	3.2	3.9	3.9	5.2	5.8	5.2
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°	1.9	1.9	1.9	1.9	1.9	0.6	0.6	0.0	0.0	0.0	0.0
5°	1.9	1.9	1.9	1.9	1.9	0.6	0.0	0.0	0.0	0.0	0.0
7.5°	1.9	1.9	1.9	1.9	1.9	0.6	0.0	7.1	19.4	20.7	20.1
10°	1.9	1.9	1.9	1.9	1.3	16.9	23.3	22.0	21.4	20.7	20.7
12.5°	118.0	99.8	18.2	3.9	16.9	21.4	18.8	18.8	18.2	18.2	18.2
15°	258.0	216.5	101.8	34.4	26.6	18.2	16.9	16.9	27.9	30.5	29.8
17.5°	270.3	218.5	99.8	46.7	38.2	23.3	23.3	29.8	29.2	27.9	27.9
20°	514.1	337.1	115.4	46.0	35.0	37.0	27.9	25.9	24.6	23.3	23.3
22.5°	549.8	396.1	123.8	58.3	37.6	37.0	28.5	24.0	30.5	29.8	29.8
25°	709.9	478.4	112.2	54.5	48.6	33.7	30.5	26.6	25.9	24.6	24.6
27.5°	879.7	566.0	123.8	56.4	44.1	33.1	28.5	23.3	24.6	27.2	27.2
30°	964.7	566.6	97.9	57.7	42.1	33.7	25.3	25.9	24.6	24.0	23.3
32.5°	1294.7	727.4	94.0	55.1	39.5	29.2	25.9	22.7	20.7	22.7	22.7
35°	1353.0	702.1	81.7	55.8	35.7	26.6	22.0	20.7	20.7	20.1	20.1
37.5°	1417.2	674.9	72.0	49.3	34.4	24.0	18.8	18.8	18.2	19.4	19.4
40°	1487.8	646.4	64.2	42.8	29.2	20.1	16.9	16.2	16.9	16.9	16.2
42.5°	1570.2	618.5	57.7	37.6	24.6	16.9	13.6	13.6	13.6	13.0	13.0
45°	1658.3	596.4	53.2	32.4	20.7	14.3	11.0	10.4	9.7	9.7	9.7
47.5°	1762.7	587.4	49.3	27.2	17.5	11.0	8.4	7.8	7.1	6.5	6.5
50°	1850.2	583.5	43.4	22.7	14.9	9.1	5.8	5.2	4.5	3.9	3.9
52.5°	1927.4	566.6	37.6	18.2	11.7	6.5	3.9	2.6	1.9	1.9	1.9
55°	2003.9	551.1	32.4	15.6	8.4	3.9	1.9	0.6	0.6	1.3	1.3
57.5°	2098.5	533.5	27.9	13.0	6.5	2.6	1.3	0.0	0.6	0.6	1.3
60°	2247.0	515.4	24.6	11.0	4.5	1.9	0.6	0.0	0.0	0.6	0.6
62.5°	2379.9	483.6	21.4	9.7	3.9	1.9	0.6	0.0	0.0	0.0	0.6
65°	2437.6	418.2	18.8	8.4	3.9	1.9	0.6	0.0	0.0	0.0	0.0
67°	2341.0	338.4	16.9	7.8	3.2	1.3	0.6	0.0	0.0	0.0	0.0
67.5°	2295.6	315.7	16.9	7.1	3.2	1.3	0.6	0.6	0.0	0.0	0.0
70°	1948.8	209.4	14.9	6.5	3.2	1.3	1.3	0.6	0.0	0.0	0.0
72.5°	1495.6	121.9	13.0	5.8	3.2	1.3	1.3	0.6	0.6	0.0	0.0
75°	836.3	61.6	10.4	5.8	3.2	1.9	1.9	1.3	1.3	1.3	0.0
77.5°	267.7	33.7	7.8	5.2	3.2	1.9	1.9	1.3	1.9	1.9	0.6
80°	42.1	17.5	5.8	3.9	3.2	1.3	1.9	1.9	2.6	2.6	0.6
82.5°	15.6	9.7	4.5	3.9	3.2	1.3	1.9	1.9	2.6	3.2	0.0
85°	7.1	5.8	4.5	3.9	3.2	1.3	1.9	1.9	2.6	3.2	0.0
87.5°	3.2	4.5	3.9	3.9	3.2	1.3	1.9	1.9	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)