

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: P416410

Luminaire Tested: **LXF.LXT-PA1-70-750-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416410
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-750-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6438 lumens
Efficiency: N/A
Efficacy: 87.0 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): 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

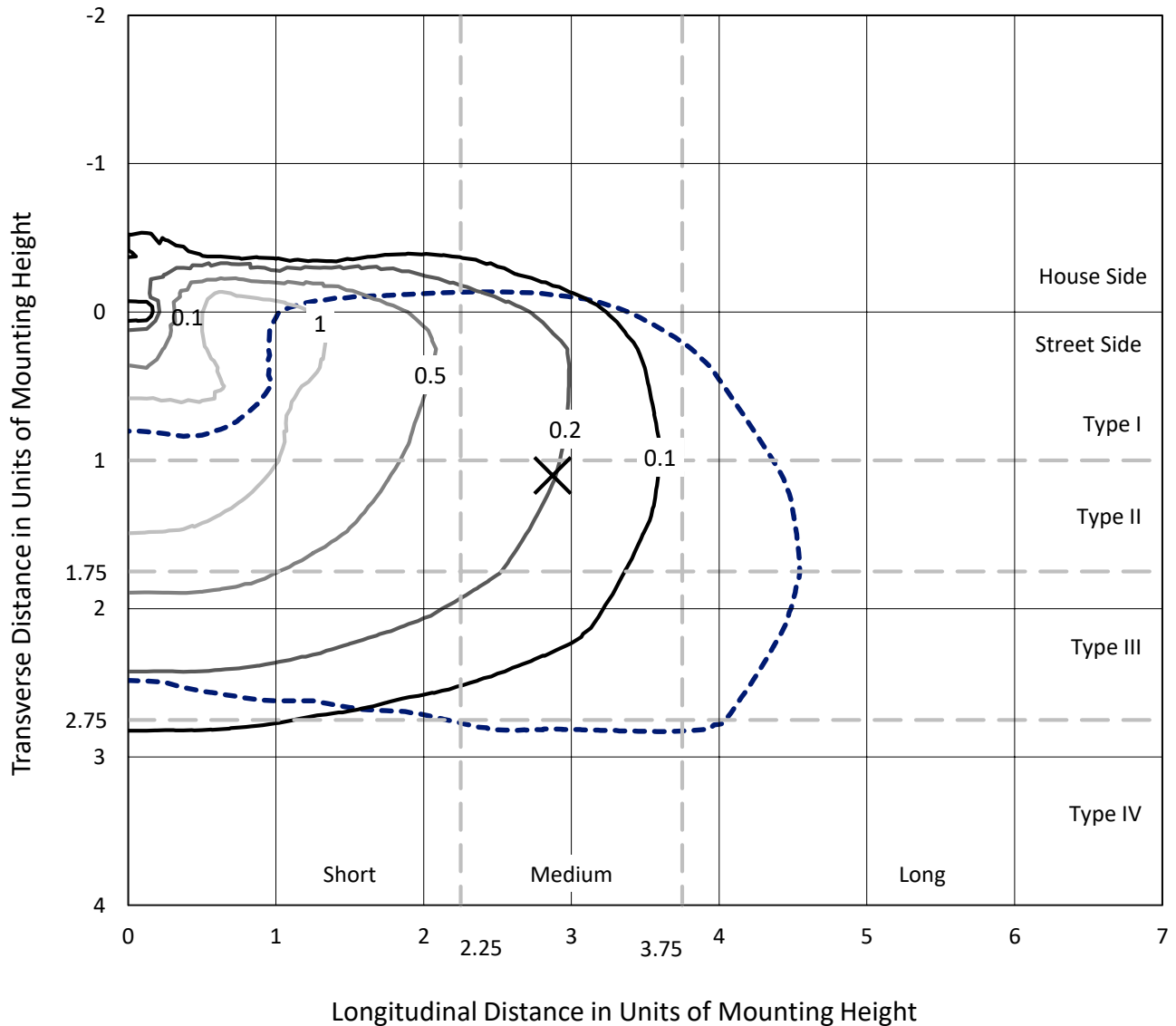


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

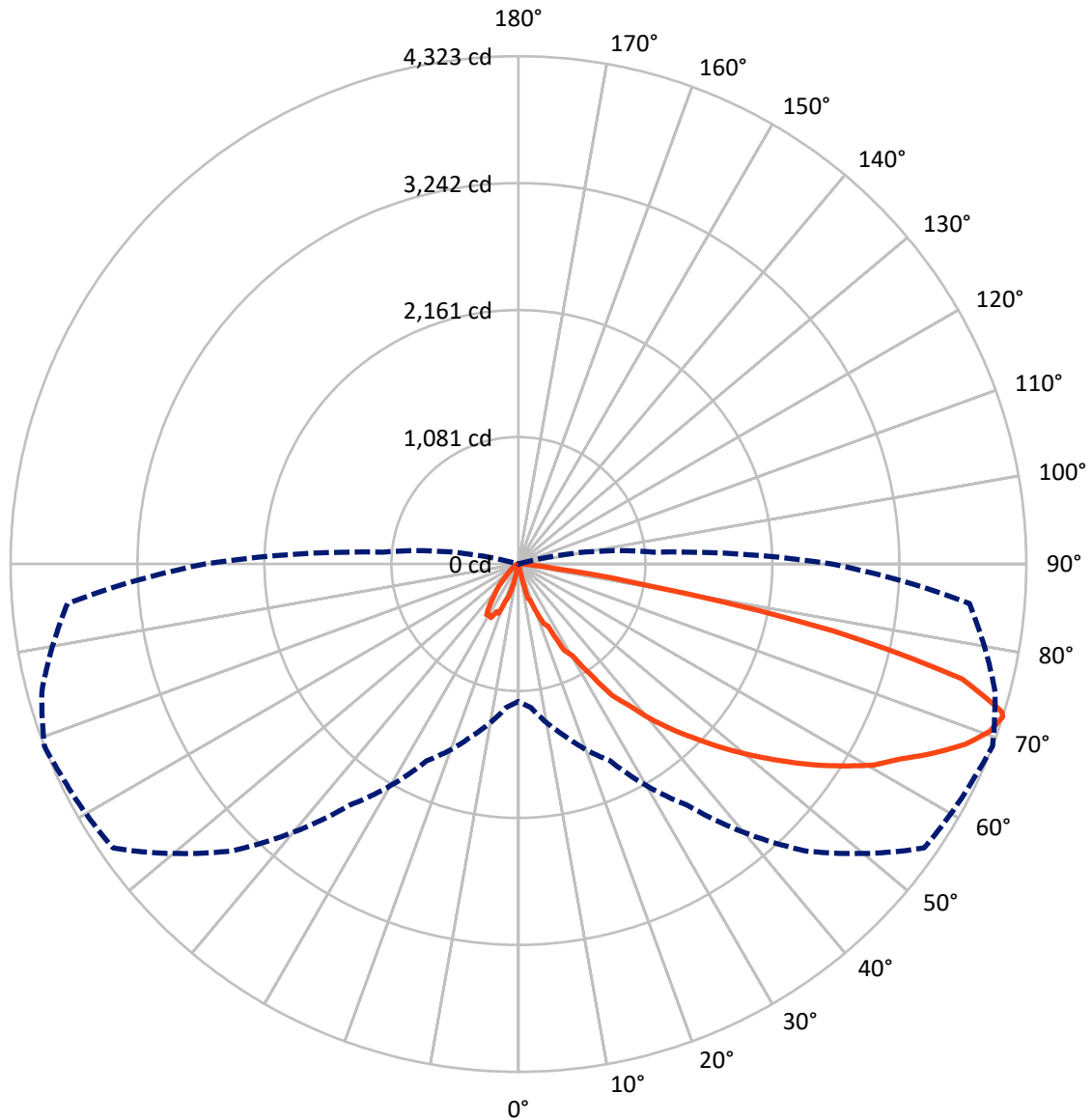


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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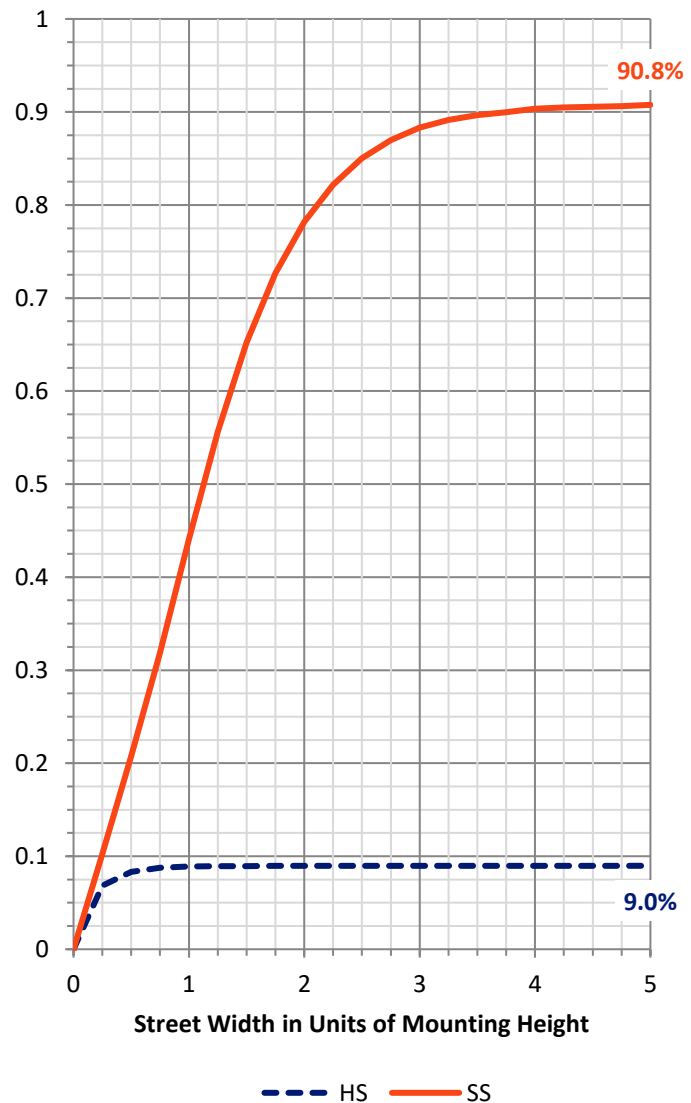
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	583.8	0.0	583.8
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	5854.2	0.0	5854.2
	% Fixture	90.9	0.0	90.9
Total	Lumens	6438.0	0.0	6438.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	55.9	0.9
20°-30°	200.5	3.1
30°-40°	512.1	8.0
40°-50°	1013.4	15.7
50°-60°	1597.0	24.8
60°-70°	1857.5	28.9
70°-80°	1127.6	17.5
80°-90°	69.8	1.1
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°	6438.0	100.0
0°-180°	6438.0	100.0



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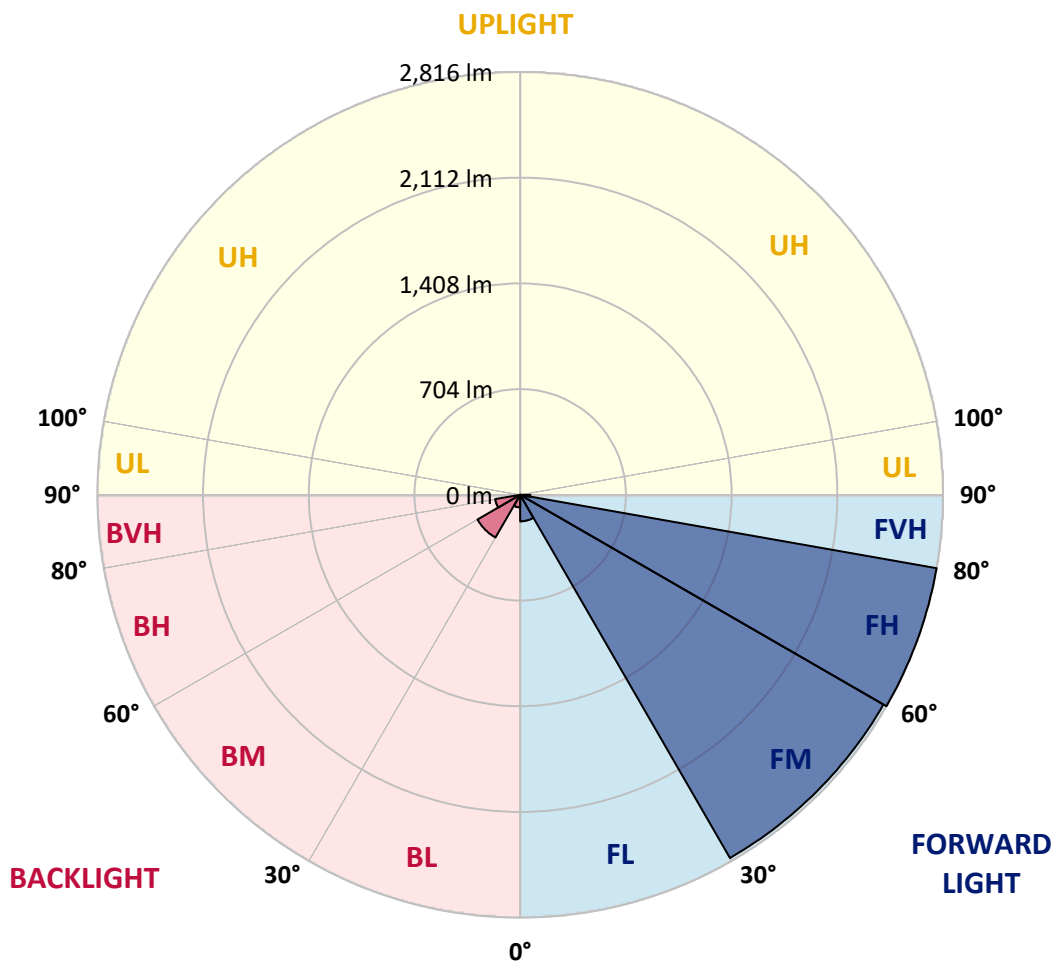
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	176.8	2.7			
FM	(30°-60°)	2793.9	43.4			
FH	(60°-80°)	2816.2	43.7			G2/5000
FVH	(80°-90°)	67.3	1.0			G1/100
BL	(0°-30°)	83.8	1.3	B0/110		
BM	(30°-60°)	328.6	5.1	B1/1000		
BH	(60°-80°)	168.9	2.6	B1/500		G1/500
BVH	(80°-90°)	2.4	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°	69°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	0.9	0.9	0.9	0.9	1.8	1.8	2.7	2.7	2.7	2.7	2.7
5°	89.7	58.6	43.9	36.6	18.3	4.6	2.7	2.7	2.7	2.7	2.7
7.5°	138.1	138.1	139.1	140.0	142.7	119.8	25.6	2.7	2.7	2.7	2.7
10°	133.6	132.7	132.7	134.5	138.1	141.8	145.5	19.2	4.6	2.7	2.7
12.5°	260.7	258.0	239.7	167.4	137.2	139.1	146.4	111.6	31.1	18.3	105.2
15°	258.0	257.1	258.9	263.5	265.3	148.2	216.8	294.6	301.0	203.1	246.1
17.5°	281.8	273.5	260.7	262.6	270.8	318.4	306.5	319.3	325.7	227.8	266.2
20°	389.7	388.8	390.6	306.5	286.4	403.5	355.0	346.7	430.9	451.0	500.4
22.5°	398.0	396.1	398.9	408.0	458.3	421.8	514.2	526.0	550.7	609.3	571.8
25°	557.2	557.2	457.4	426.3	522.4	476.6	636.7	598.3	585.5	654.1	735.5
27.5°	672.4	665.1	641.3	595.6	543.4	674.3	677.9	817.9	829.8	913.0	928.6
30°	851.7	841.7	778.5	742.9	674.3	709.0	791.4	972.5	906.6	973.4	1041.1
32.5°	1260.7	1246.0	1166.4	935.9	849.9	768.5	948.7	1043.9	1108.8	1290.0	1364.1
35°	1633.0	1537.9	1429.0	1253.4	1030.1	999.0	1023.7	1294.5	1371.4	1427.2	1502.2
37.5°	2008.1	2010.0	1901.1	1474.8	1301.8	1153.6	1234.1	1446.4	1524.2	1606.5	1674.2
40°	2309.1	2263.4	2117.9	1805.0	1536.1	1387.8	1397.9	1594.6	1732.7	1836.1	1849.9
42.5°	2693.4	2674.1	2460.1	2106.9	1838.9	1694.3	1650.4	1747.4	1930.4	1999.0	2041.1
45°	3061.1	3032.8	2850.7	2450.9	2162.7	2000.8	1940.4	1941.3	2121.6	2194.8	2255.1
47.5°	3336.5	3290.8	3192.9	2767.5	2569.8	2335.6	2210.3	2162.7	2338.4	2433.5	2467.4
50°	3624.7	3549.7	3471.9	3125.2	2921.2	2718.1	2478.4	2425.3	2552.5	2658.6	2686.0
52.5°	3817.7	3708.9	3654.9	3380.4	3235.9	3106.9	2746.4	2687.0	2777.5	2902.9	2880.9
55°	3719.8	3686.0	3744.5	3600.9	3460.9	3318.2	3038.3	2989.8	3013.6	3118.8	3066.6
57.5°	3515.8	3525.9	3698.8	3726.2	3663.1	3528.6	3299.9	3291.7	3243.2	3329.2	3261.5
60°	3302.7	3340.2	3580.8	3718.0	3763.7	3718.9	3576.2	3515.8	3472.8	3533.2	3480.1
62.5°	3017.2	3024.5	3347.5	3644.8	3725.3	3867.1	3769.2	3740.0	3651.2	3740.9	3718.9
65°	2658.6	2667.7	2971.5	3393.2	3610.0	3895.5	3920.2	3951.3	3882.7	3907.4	3976.9
67.5°	2257.9	2275.3	2540.6	2947.7	3362.1	3839.7	4045.5	4105.0	4099.5	4092.2	4160.8
70°	1827.9	1839.8	2055.7	2412.5	2961.4	3686.0	4161.7	4237.6	4258.7	4207.5	4159.0
72°	1169.2	1226.8	1512.3	1848.9	2506.7	3452.7	4213.9	4286.1	4322.7	4200.1	3852.5
72.5°	918.5	964.3	1397.0	1694.3	2351.2	3398.7	4203.8	4269.7	4303.5	4159.9	3722.6
75°	197.6	203.1	437.3	823.4	1483.0	2603.7	3855.2	3863.5	3900.1	3624.7	2548.8
77.5°	85.1	86.0	121.7	271.7	532.5	1331.1	2668.7	2744.6	2741.8	2345.7	1232.3
80°	59.5	61.3	72.3	124.4	253.4	385.2	1303.7	1311.9	1128.9	838.9	307.4
82.5°	31.1	32.9	51.2	74.1	172.0	140.9	421.8	425.4	313.8	197.6	71.4
85°	5.5	8.2	24.7	44.8	66.8	56.7	92.4	116.2	100.6	78.7	30.2
87.5°	0.9	0.9	6.4	6.4	9.1	5.5	9.1	10.1	11.0	16.5	8.2
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0
5°	2.7	2.7	2.7	2.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0
7.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.0	84.2	113.4	120.8	129.0
10°	2.7	3.7	2.7	2.7	1.8	115.3	141.8	143.6	145.5	145.5	144.5
12.5°	116.2	118.9	42.1	8.2	107.0	146.4	139.1	127.2	116.2	112.5	111.6
15°	248.8	249.8	226.0	194.9	207.7	138.1	108.9	123.5	125.3	120.8	120.8
17.5°	268.1	268.1	256.2	312.9	262.6	138.1	114.4	94.2	80.5	76.8	75.9
20°	530.6	464.8	376.0	317.5	214.1	154.6	80.5	68.6	66.8	66.8	69.5
22.5°	572.7	564.5	489.5	428.2	183.9	108.9	78.7	78.7	93.3	91.5	90.6
25°	747.4	736.5	554.4	372.3	183.9	93.3	99.7	87.8	86.0	84.2	82.3
27.5°	945.1	922.2	779.5	336.7	129.9	97.9	95.1	83.3	98.8	98.8	97.9
30°	1075.9	989.9	785.0	301.9	109.8	104.3	89.7	97.0	87.8	82.3	82.3
32.5°	1394.3	1354.9	959.7	213.2	104.3	94.2	94.2	83.3	74.1	76.8	75.9
35°	1494.9	1443.7	854.5	160.1	96.1	86.9	78.7	73.2	63.1	56.7	55.8
37.5°	1619.3	1552.5	717.3	123.5	94.2	76.8	65.0	55.8	48.5	48.5	47.6
40°	1772.1	1670.5	586.4	105.2	83.3	65.9	50.3	43.0	38.4	35.7	34.8
42.5°	1939.5	1782.2	451.0	95.1	72.3	54.0	37.5	31.1	28.4	27.4	27.4
45°	2116.1	1885.5	323.9	86.9	63.1	42.1	27.4	22.0	21.0	21.0	21.0
47.5°	2296.3	1960.6	220.5	78.7	53.1	31.1	20.1	16.5	16.5	15.6	15.6
50°	2472.9	2011.8	151.9	70.4	43.0	22.0	14.6	13.7	13.7	12.8	12.8
52.5°	2601.0	1999.9	113.4	61.3	33.8	16.5	11.9	11.0	11.0	11.0	11.0
55°	2725.4	1973.4	93.3	52.1	25.6	11.9	9.1	8.2	8.2	8.2	8.2
57.5°	2853.5	1937.7	80.5	42.1	18.3	9.1	6.4	6.4	6.4	6.4	6.4
60°	2959.6	1868.1	69.5	33.8	12.8	6.4	5.5	4.6	4.6	4.6	4.6
62.5°	3077.6	1797.7	59.5	25.6	9.1	4.6	3.7	2.7	2.7	1.8	2.7
65°	3161.8	1711.7	48.5	18.3	6.4	3.7	2.7	1.8	0.9	0.0	0.9
67.5°	3159.9	1597.4	34.8	11.9	4.6	2.7	1.8	0.9	0.0	0.0	0.0
70°	3021.8	1433.6	23.8	8.2	3.7	1.8	1.8	0.9	0.0	0.0	0.0
72°	2666.8	1156.4	18.3	7.3	3.7	1.8	1.8	0.9	0.0	0.0	0.0
72.5°	2542.4	1061.2	16.5	6.4	3.7	1.8	1.8	0.9	0.0	0.0	0.0
75°	1614.7	441.9	12.8	5.5	3.7	1.8	1.8	0.9	0.9	0.9	0.0
77.5°	750.2	161.9	9.1	4.6	2.7	1.8	1.8	0.9	0.9	1.8	0.0
80°	163.8	47.6	6.4	4.6	2.7	1.8	1.8	1.8	1.8	2.7	0.0
82.5°	37.5	15.6	5.5	3.7	2.7	1.8	1.8	1.8	1.8	2.7	0.0
85°	13.7	9.1	5.5	4.6	3.7	1.8	1.8	2.7	2.7	3.7	0.0
87.5°	5.5	5.5	4.6	4.6	3.7	1.8	2.7	2.7	3.7	3.7	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)