

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: P413810

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413810
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-PA1-100-730-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA 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: 6997 lumens
Efficiency: N/A
Efficacy: 72.9 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

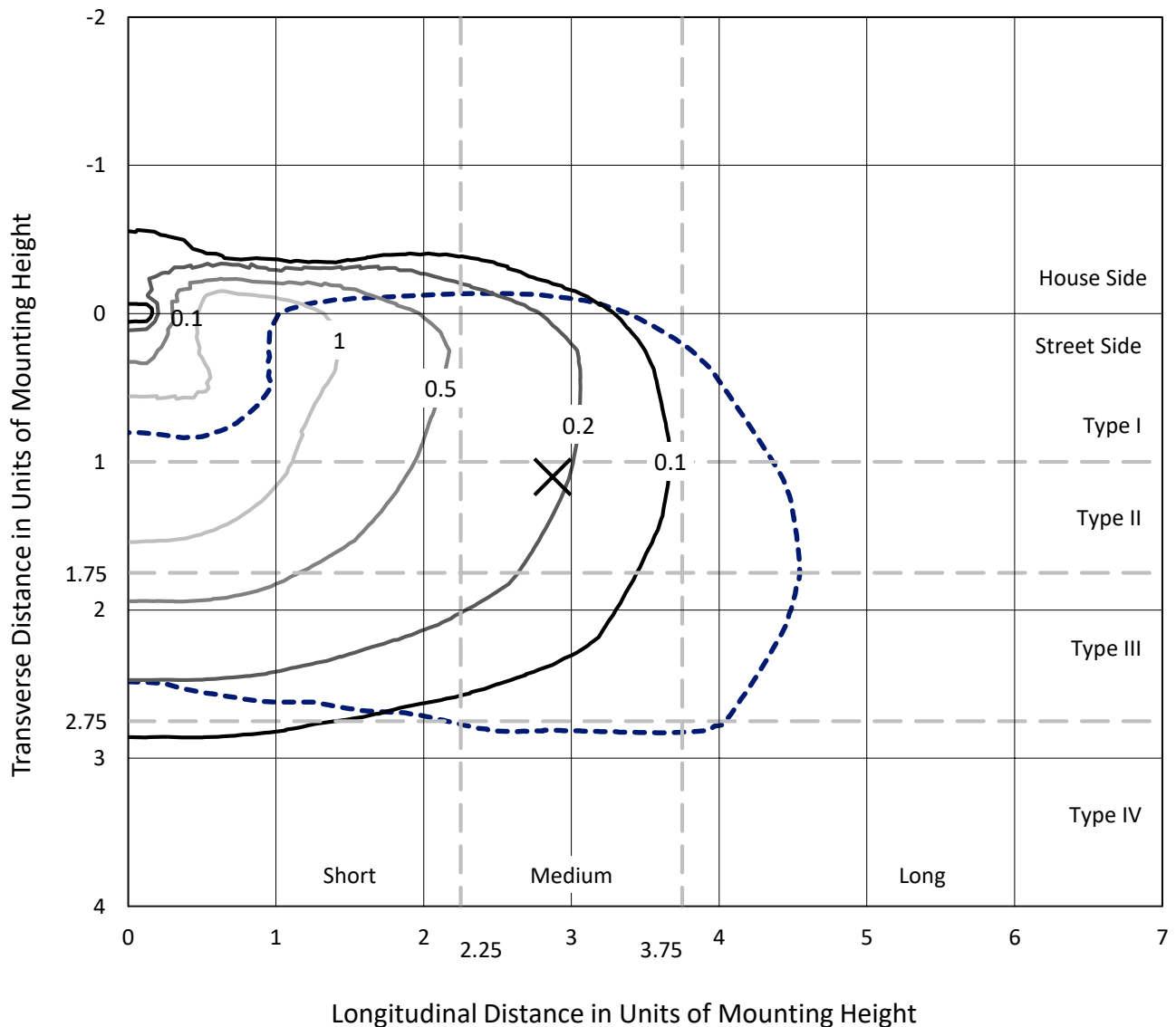
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

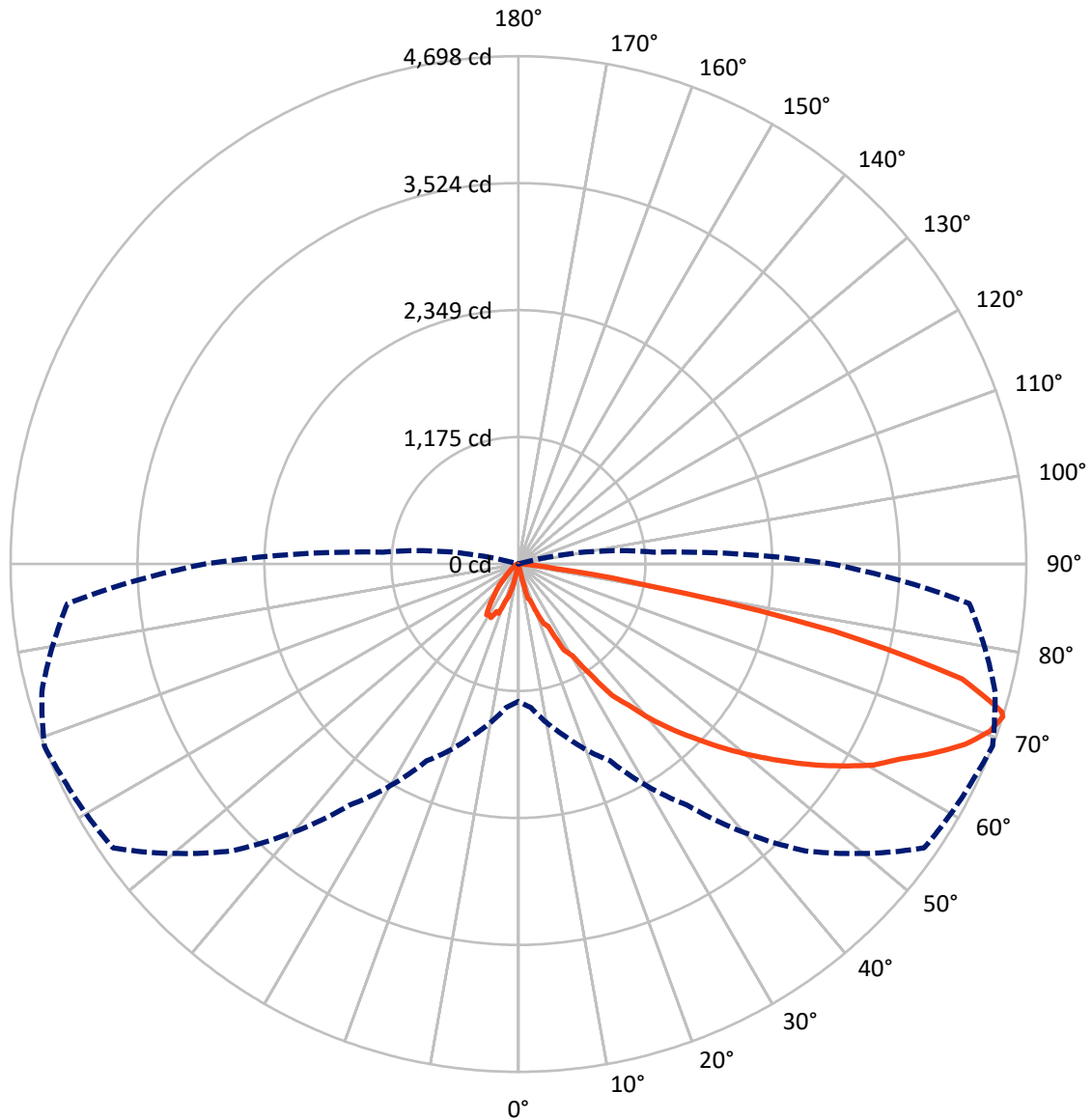
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P413810
CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T3-HSS

Luminous Intensity Polar Plot



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



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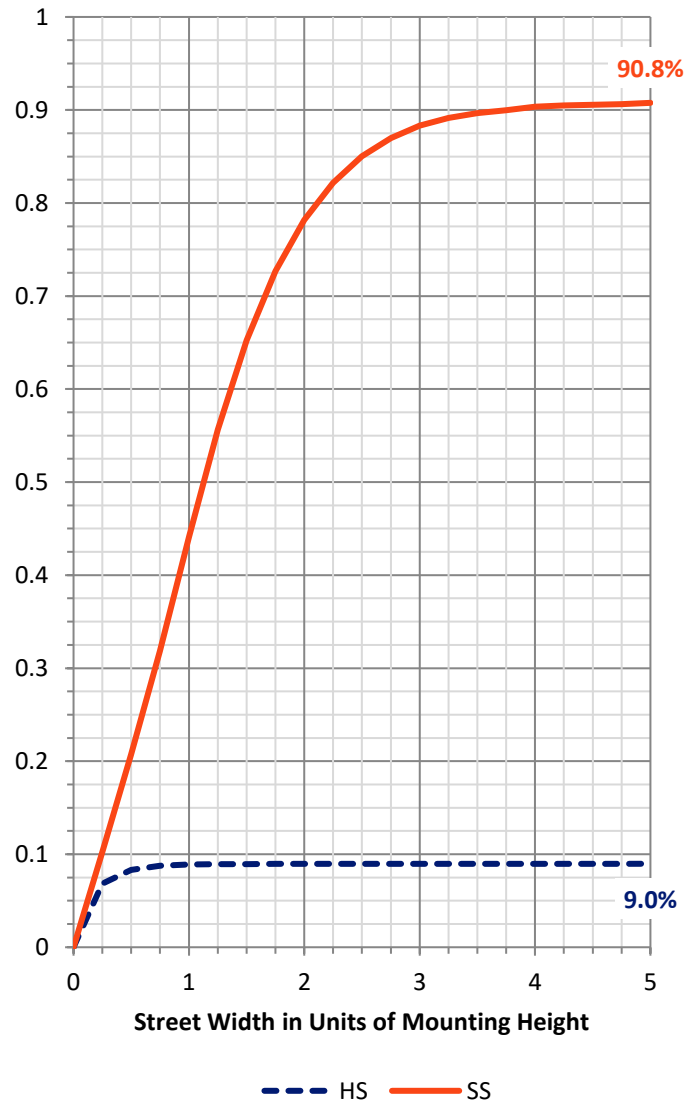
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	634.5	0.0	634.5
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	6362.5	0.0	6362.5
	% Fixture	90.9	0.0	90.9
Total	Lumens	6997.0	0.0	6997.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	60.8	0.9
20°-30°	217.9	3.1
30°-40°	556.6	8.0
40°-50°	1101.4	15.7
50°-60°	1735.7	24.8
60°-70°	2018.8	28.9
70°-80°	1225.5	17.5
80°-90°	75.8	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°	6997.0	100.0
0°-180°	6997.0	100.0



REPORT NUMBER: P413810

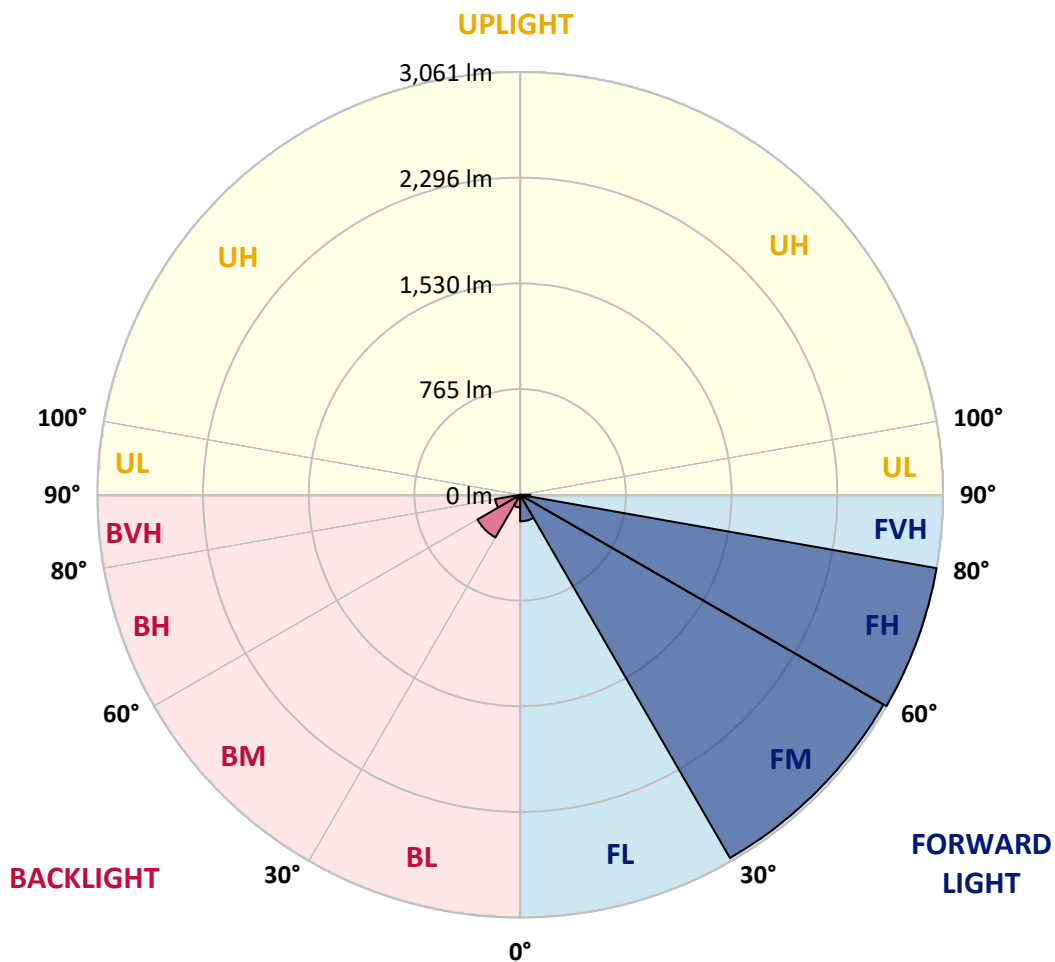
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	192.1	2.7			
FM	(30°-60°)	3036.5	43.4			
FH	(60°-80°)	3060.7	43.7			G2/5000
FVH	(80°-90°)	73.2	1.0			G1/100
BL	(0°-30°)	91.1	1.3	B0/110		
BM	(30°-60°)	357.2	5.1	B1/1000		
BH	(60°-80°)	183.6	2.6	B1/500		G1/500
BVH	(80°-90°)	2.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





REPORT NUMBER: P413810

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	1.0	1.0	1.0	1.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0
5°	97.4	63.6	47.7	39.8	19.9	5.0	3.0	3.0	3.0	3.0	3.0
7.5°	150.1	150.1	151.1	152.1	155.1	130.3	27.8	3.0	3.0	3.0	3.0
10°	145.2	144.2	144.2	146.2	150.1	154.1	158.1	20.9	5.0	3.0	3.0
12.5°	283.4	280.4	260.5	182.0	149.1	151.1	159.1	121.3	33.8	19.9	114.3
15°	280.4	279.4	281.4	286.4	288.3	161.1	235.6	320.2	327.1	220.7	267.5
17.5°	306.2	297.3	283.4	285.4	294.3	346.0	333.1	347.0	354.0	247.6	289.3
20°	423.6	422.6	424.6	333.1	311.2	438.5	385.8	376.8	468.3	490.2	543.9
22.5°	432.5	430.5	433.5	443.5	498.1	458.4	558.8	571.7	598.6	662.2	621.4
25°	605.5	605.5	497.1	463.3	567.7	518.0	692.0	650.3	636.4	710.9	799.4
27.5°	730.8	722.9	697.0	647.3	590.6	732.8	736.8	888.9	901.8	992.3	1009.2
30°	925.7	914.8	846.1	807.4	732.8	770.6	860.1	1056.9	985.3	1057.9	1131.5
32.5°	1370.1	1354.2	1267.7	1017.2	923.7	835.2	1031.1	1134.5	1205.1	1402.0	1482.5
35°	1774.8	1671.4	1553.1	1362.2	1119.6	1085.8	1112.6	1406.9	1490.5	1551.1	1632.6
37.5°	2182.5	2184.5	2066.2	1602.8	1414.9	1253.8	1341.3	1572.0	1656.5	1746.0	1819.6
40°	2509.6	2459.9	2301.8	1961.8	1669.4	1508.4	1519.3	1733.1	1883.2	1995.6	2010.5
42.5°	2927.2	2906.3	2673.7	2289.9	1998.5	1841.4	1793.7	1899.1	2098.0	2172.5	2218.3
45°	3326.9	3296.1	3098.2	2663.7	2350.5	2174.5	2108.9	2109.9	2305.8	2385.3	2450.9
47.5°	3626.2	3576.5	3470.1	3007.8	2793.0	2538.4	2402.2	2350.5	2541.4	2644.8	2681.6
50°	3939.4	3857.9	3773.4	3396.5	3174.8	2954.1	2693.6	2635.9	2774.1	2889.4	2919.3
52.5°	4149.2	4030.9	3972.2	3673.9	3516.8	3376.6	2984.9	2920.3	3018.7	3154.9	3131.0
55°	4042.8	4006.0	4069.7	3913.6	3761.4	3606.3	3302.1	3249.4	3275.2	3389.6	3332.9
57.5°	3821.1	3832.0	4019.9	4049.8	3981.2	3835.0	3586.4	3577.5	3524.8	3618.3	3544.7
60°	3589.4	3630.2	3891.7	4040.8	4090.5	4041.8	3886.7	3821.1	3774.4	3840.0	3782.3
62.5°	3279.2	3287.2	3638.1	3961.3	4048.8	4202.9	4096.5	4064.7	3968.2	4065.7	4041.8
65°	2889.4	2899.4	3229.5	3687.9	3923.5	4233.7	4260.6	4294.4	4219.8	4246.6	4322.2
67.5°	2453.9	2472.8	2761.2	3203.6	3654.0	4173.1	4396.8	4461.4	4455.5	4447.5	4522.1
70°	1986.6	1999.5	2234.2	2622.0	3218.5	4006.0	4523.1	4605.6	4628.5	4572.8	4520.1
72°	1270.7	1333.4	1643.6	2009.5	2724.4	3752.5	4579.7	4658.3	4698.1	4564.8	4187.0
72.5°	998.3	1048.0	1518.3	1841.4	2555.3	3693.8	4568.8	4640.4	4677.2	4521.1	4045.8
75°	214.8	220.7	475.3	894.9	1611.8	2829.8	4190.0	4198.9	4238.7	3939.4	2770.1
77.5°	92.5	93.5	132.2	295.3	578.7	1446.7	2900.4	2982.9	2979.9	2549.4	1339.3
80°	64.6	66.6	78.5	135.2	275.4	418.6	1416.9	1425.8	1227.0	911.8	334.1
82.5°	33.8	35.8	55.7	80.5	186.9	153.1	458.4	462.3	341.0	214.8	77.6
85°	6.0	8.9	26.8	48.7	72.6	61.6	100.4	126.3	109.4	85.5	32.8
87.5°	1.0	1.0	7.0	7.0	9.9	6.0	9.9	10.9	11.9	17.9	8.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P413810

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	3.0	3.0	3.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
5°	3.0	3.0	3.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
7.5°	3.0	3.0	3.0	3.0	2.0	1.0	0.0	91.5	123.3	131.2	140.2
10°	3.0	4.0	3.0	3.0	2.0	125.3	154.1	156.1	158.1	158.1	157.1
12.5°	126.3	129.3	45.7	8.9	116.3	159.1	151.1	138.2	126.3	122.3	121.3
15°	270.4	271.4	245.6	211.8	225.7	150.1	118.3	134.2	136.2	131.2	131.2
17.5°	291.3	291.3	278.4	340.1	285.4	150.1	124.3	102.4	87.5	83.5	82.5
20°	576.7	505.1	408.7	345.0	232.7	168.0	87.5	74.6	72.6	72.6	75.6
22.5°	622.4	613.5	531.9	465.3	199.9	118.3	85.5	85.5	101.4	99.4	98.4
25°	812.3	800.4	602.5	404.7	199.9	101.4	108.4	95.5	93.5	91.5	89.5
27.5°	1027.1	1002.3	847.1	365.9	141.2	106.4	103.4	90.5	107.4	107.4	106.4
30°	1169.3	1075.8	853.1	328.1	119.3	113.4	97.4	105.4	95.5	89.5	89.5
32.5°	1515.3	1472.6	1043.0	231.7	113.4	102.4	102.4	90.5	80.5	83.5	82.5
35°	1624.7	1569.0	928.7	174.0	104.4	94.5	85.5	79.5	68.6	61.6	60.7
37.5°	1759.9	1687.3	779.5	134.2	102.4	83.5	70.6	60.7	52.7	52.7	51.7
40°	1926.0	1815.6	637.3	114.3	90.5	71.6	54.7	46.7	41.8	38.8	37.8
42.5°	2107.9	1936.9	490.2	103.4	78.5	58.7	40.8	33.8	30.8	29.8	29.8
45°	2299.8	2049.2	352.0	94.5	68.6	45.7	29.8	23.9	22.9	22.9	22.9
47.5°	2495.7	2130.8	239.6	85.5	57.7	33.8	21.9	17.9	17.9	16.9	16.9
50°	2687.6	2186.5	165.1	76.6	46.7	23.9	15.9	14.9	14.9	13.9	13.9
52.5°	2826.8	2173.5	123.3	66.6	36.8	17.9	12.9	11.9	11.9	11.9	11.9
55°	2962.0	2144.7	101.4	56.7	27.8	12.9	9.9	8.9	8.9	8.9	8.9
57.5°	3101.2	2105.9	87.5	45.7	19.9	9.9	7.0	7.0	7.0	7.0	7.0
60°	3216.6	2030.4	75.6	36.8	13.9	7.0	6.0	5.0	5.0	5.0	5.0
62.5°	3344.8	1953.8	64.6	27.8	9.9	5.0	4.0	3.0	3.0	2.0	3.0
65°	3436.3	1860.3	52.7	19.9	7.0	4.0	3.0	2.0	1.0	0.0	1.0
67.5°	3434.3	1736.0	37.8	12.9	5.0	3.0	2.0	1.0	0.0	0.0	0.0
70°	3284.2	1558.1	25.9	8.9	4.0	2.0	2.0	1.0	0.0	0.0	0.0
72°	2898.4	1256.8	19.9	8.0	4.0	2.0	2.0	1.0	0.0	0.0	0.0
72.5°	2763.2	1153.4	17.9	7.0	4.0	2.0	2.0	1.0	0.0	0.0	0.0
75°	1754.9	480.2	13.9	6.0	4.0	2.0	2.0	1.0	1.0	1.0	0.0
77.5°	815.3	176.0	9.9	5.0	3.0	2.0	2.0	1.0	1.0	2.0	0.0
80°	178.0	51.7	7.0	5.0	3.0	2.0	2.0	2.0	2.0	3.0	0.0
82.5°	40.8	16.9	6.0	4.0	3.0	2.0	2.0	2.0	2.0	3.0	0.0
85°	14.9	9.9	6.0	5.0	4.0	2.0	2.0	3.0	3.0	4.0	0.0
87.5°	6.0	6.0	5.0	5.0	4.0	2.0	3.0	3.0	4.0	4.0	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)