

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: P417120

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417120
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-PA1-90-730-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA 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: 7128 lumens
Efficiency: N/A
Efficacy: 75.8 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 - G2

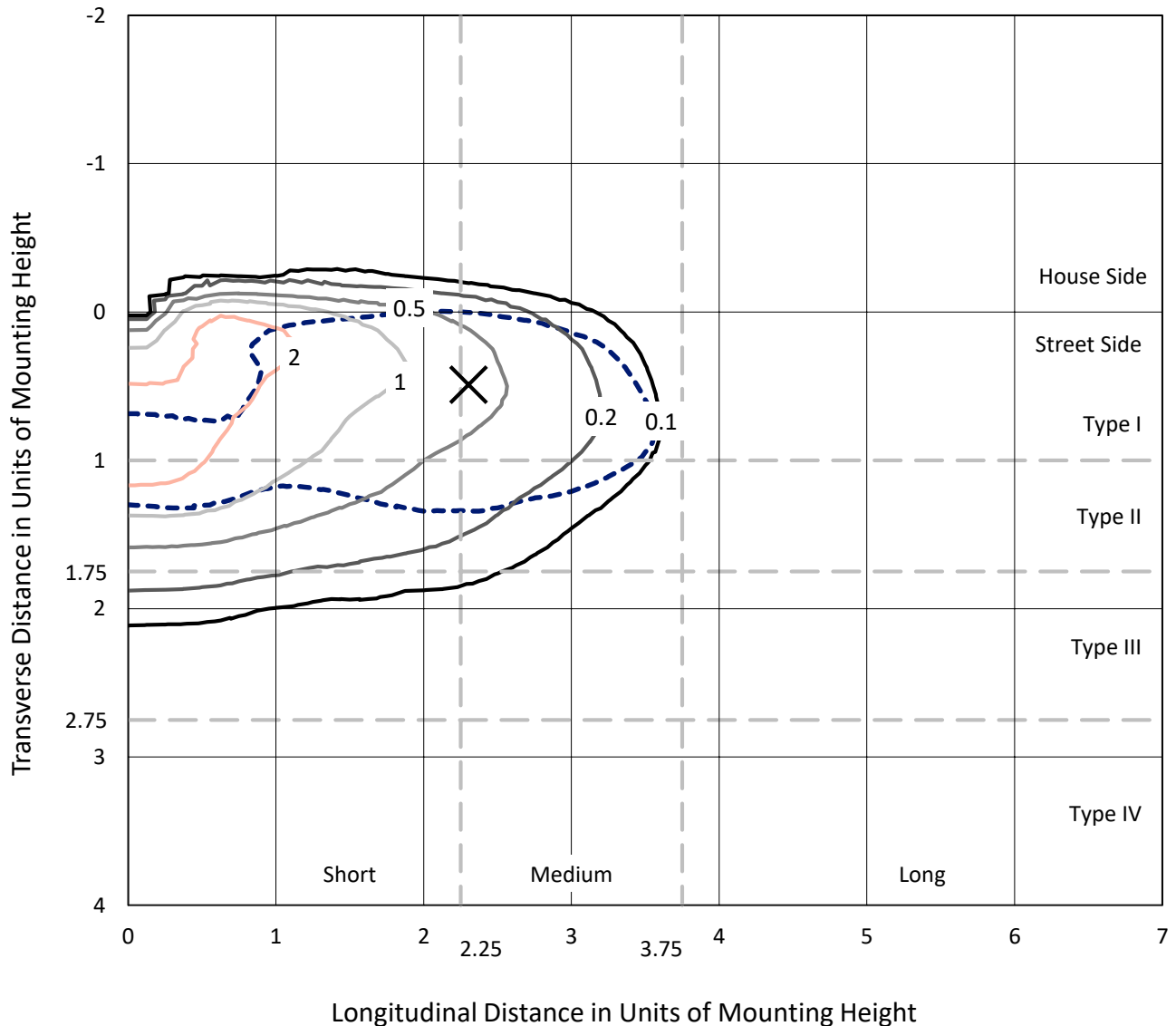
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

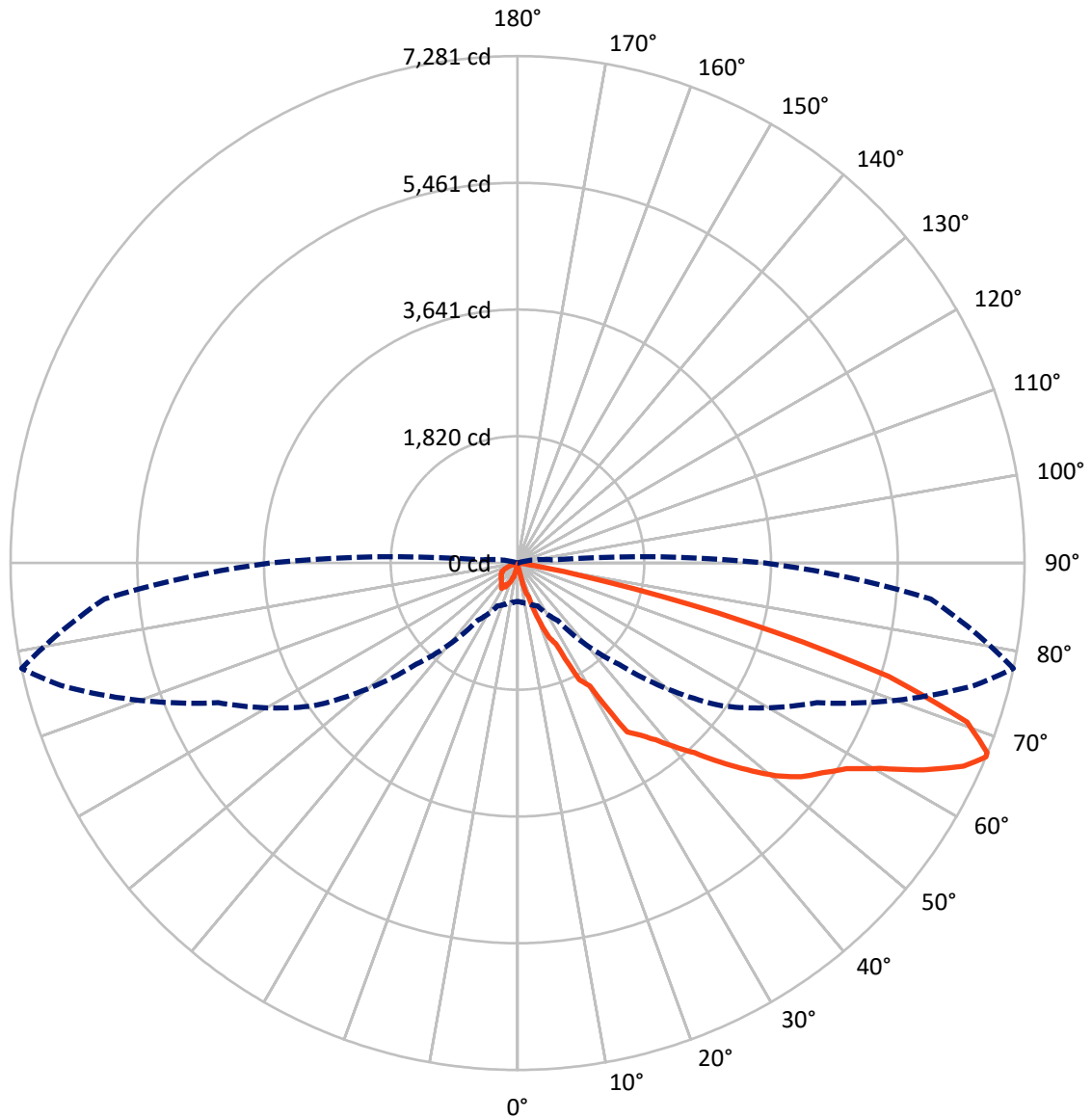
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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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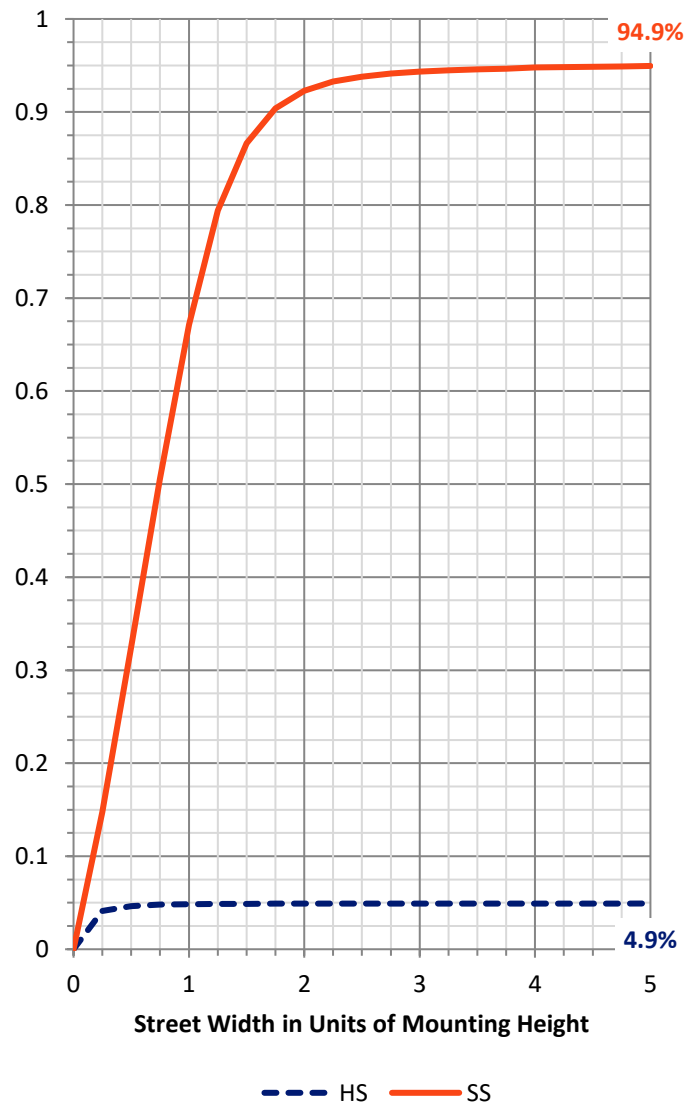
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	353.0	0.0	353.0
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	6775.0	0.0	6775.0
	% Fixture	95.0	0.0	95.0
Total	Lumens	7128.0	0.0	7128.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	0.1
10°-20°	97.1	1.4
20°-30°	387.0	5.4
30°-40°	984.6	13.8
40°-50°	1612.0	22.6
50°-60°	1817.8	25.5
60°-70°	1567.5	22.0
70°-80°	630.6	8.8
80°-90°	24.7	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°	7128.0	100.0
0°-180°	7128.0	100.0

Coefficient of Utilization



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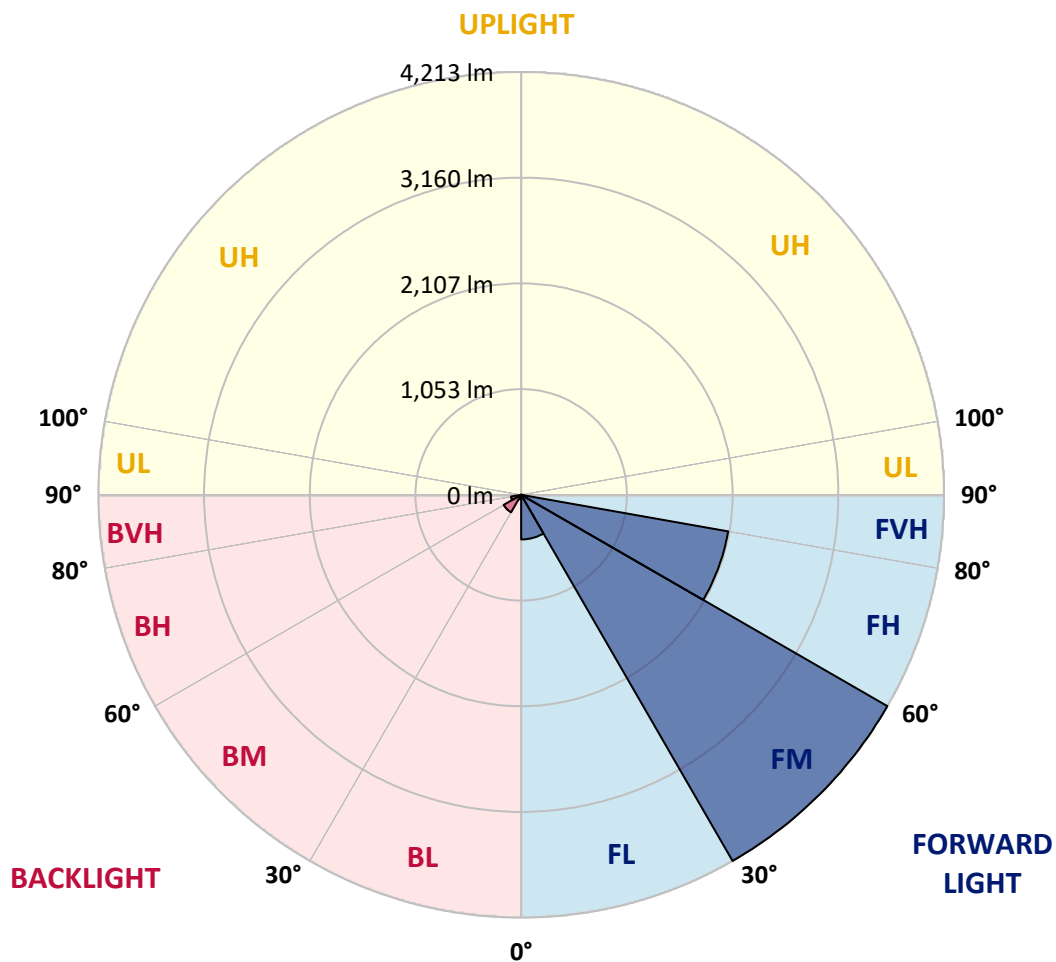
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	444.6	6.2			
FM	(30°-60°)	4213.4	59.1			
FH	(60°-80°)	2094.9	29.4			G2/5000
FVH	(80°-90°)	22.2	0.3			G1/100
BL	(0°-30°)	46.3	0.6	B0/110		
BM	(30°-60°)	201.0	2.8	B0/220		
BH	(60°-80°)	103.2	1.4	B0/110		G0/110
BVH	(80°-90°)	2.5	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-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	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	2.0	2.0	3.9	3.9	2.9	2.9	2.9	2.9	2.9
5°	298.5	233.7	166.0	48.1	18.7	8.8	3.9	2.9	2.9	2.9	2.0
7.5°	332.9	329.9	326.0	324.0	318.2	308.3	21.6	3.9	2.9	2.9	2.9
10°	356.4	350.6	349.6	348.6	344.7	336.8	322.1	18.7	2.9	2.9	2.9
12.5°	715.8	712.9	701.1	410.5	369.2	361.4	348.6	250.4	19.6	165.0	178.7
15°	707.0	705.0	712.9	728.6	743.3	396.7	566.6	714.9	438.9	420.3	438.0
17.5°	731.6	730.6	717.8	730.6	753.2	878.8	809.1	779.7	487.0	508.7	467.4
20°	1095.9	1093.9	1104.7	1038.9	781.6	1094.9	1016.3	844.5	956.4	878.8	882.8
22.5°	1150.8	1154.8	1151.8	1174.4	1357.1	1131.2	1264.8	1312.9	1328.6	1163.6	1004.5
25°	1689.0	1664.4	1613.3	1247.1	1463.1	1403.2	1606.5	1418.9	1428.7	1287.3	1287.3
27.5°	1892.2	1892.2	1850.0	1801.9	1552.5	1801.9	1690.9	1863.7	2032.6	1899.1	1612.4
30°	2567.8	2548.2	2122.0	2061.1	1932.5	1907.0	2041.5	2187.8	2113.2	2050.3	1813.7
32.5°	3052.9	3054.9	2946.8	2616.9	2297.8	2126.9	2364.5	2413.6	2817.2	2890.9	2458.8
35°	3895.4	3846.3	3318.0	3018.5	2704.3	2590.4	2578.6	2827.0	3058.8	3033.3	2665.0
37.5°	4430.6	4396.2	4140.9	3468.3	3065.7	2810.3	2963.5	2975.3	3350.4	3221.8	2911.5
40°	4676.1	4660.3	4444.3	3872.8	3382.8	3110.8	3159.9	3198.2	3643.0	3466.3	3118.7
42.5°	4874.4	4859.7	4663.3	4076.1	3687.2	3398.5	3380.9	3387.7	3879.7	3724.5	3327.8
45°	4969.7	4960.8	4876.4	4255.8	3819.8	3585.1	3621.4	3577.3	4085.9	4076.1	3559.6
47.5°	4877.4	4882.3	4905.8	4414.9	3917.0	3732.4	3855.1	3784.4	4331.4	4434.5	3820.8
50°	4552.3	4550.4	4684.9	4438.4	3973.0	3850.2	4061.4	3979.9	4623.0	4801.8	4056.4
52.5°	3551.7	3682.3	4169.4	4185.1	3960.2	3909.2	4216.5	4204.7	4898.0	5100.3	4292.1
55°	2672.9	2725.9	3188.4	3630.3	3795.2	3902.3	4271.5	4355.9	5101.2	5318.3	4476.7
57.5°	2100.4	2082.7	2336.1	2926.2	3378.9	3786.4	4258.7	4414.9	5299.6	5573.6	4720.2
60°	1536.8	1552.5	1753.8	2122.0	2778.9	3523.2	4219.5	4510.1	5613.8	5986.0	5082.6
62.5°	1114.5	1114.5	1253.0	1477.8	2128.9	3101.0	4134.0	4643.7	6105.8	6545.7	5513.7
65°	750.2	745.3	848.4	963.3	1458.2	2565.8	3904.2	4768.4	6577.1	7037.7	5883.9
67°	551.9	562.7	604.9	680.5	1008.5	2055.2	3576.3	4743.8	6794.1	7281.2	5956.5
67.5°	516.5	521.4	579.4	646.1	929.9	1919.7	3483.0	4714.4	6817.7	7275.3	5919.2
70°	375.1	383.0	414.4	434.0	562.7	1266.7	2779.9	4250.9	6474.0	6849.1	5382.1
72.5°	201.3	218.0	301.5	299.5	349.6	772.8	1890.3	3155.0	5321.2	5575.5	4131.1
75°	157.1	159.1	179.7	221.9	225.8	430.1	909.3	1833.3	3366.1	3384.8	2293.8
77.5°	114.9	119.8	132.6	140.4	147.3	244.5	318.2	728.6	1490.6	1302.1	859.2
80°	77.6	80.5	87.4	104.1	120.8	138.5	103.1	194.4	350.6	272.0	128.6
82.5°	33.4	32.4	60.9	87.4	86.4	57.0	52.0	60.9	69.7	63.8	39.3
85°	2.0	2.9	31.4	42.2	36.3	24.5	32.4	25.5	26.5	25.5	19.6
87.5°	1.0	1.0	2.9	3.9	4.9	4.9	5.9	5.9	7.9	8.8	7.9
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.9	2.9	2.9	2.9	2.9	1.0	1.0	0.0	0.0	0.0	0.0
5°	2.9	2.9	2.9	2.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0
7.5°	2.9	2.9	2.9	2.9	2.9	1.0	0.0	10.8	29.5	31.4	30.4
10°	2.9	2.9	2.9	2.9	2.0	25.5	35.4	33.4	32.4	31.4	31.4
12.5°	178.7	151.2	27.5	5.9	25.5	32.4	28.5	28.5	27.5	27.5	27.5
15°	390.8	328.0	154.2	52.0	40.3	27.5	25.5	25.5	42.2	46.2	45.2
17.5°	409.5	330.9	151.2	70.7	57.9	35.4	35.4	45.2	44.2	42.2	42.2
20°	778.7	510.6	174.8	69.7	53.0	56.0	42.2	39.3	37.3	35.4	35.4
22.5°	832.7	600.0	187.6	88.4	57.0	56.0	43.2	36.3	46.2	45.2	45.2
25°	1075.2	724.7	169.9	82.5	73.6	51.1	46.2	40.3	39.3	37.3	37.3
27.5°	1332.5	857.2	187.6	85.4	66.8	50.1	43.2	35.4	37.3	41.2	41.2
30°	1461.1	858.2	148.3	87.4	63.8	51.1	38.3	39.3	37.3	36.3	35.4
32.5°	1961.0	1101.8	142.4	83.5	59.9	44.2	39.3	34.4	31.4	34.4	34.4
35°	2049.3	1063.5	123.7	84.4	54.0	40.3	33.4	31.4	31.4	30.4	30.4
37.5°	2146.5	1022.2	109.0	74.6	52.0	36.3	28.5	28.5	27.5	29.5	29.5
40°	2253.6	979.0	97.2	64.8	44.2	30.4	25.5	24.5	25.5	25.5	24.5
42.5°	2378.3	936.8	87.4	57.0	37.3	25.5	20.6	20.6	20.6	19.6	19.6
45°	2511.8	903.4	80.5	49.1	31.4	21.6	16.7	15.7	14.7	14.7	14.7
47.5°	2669.9	889.6	74.6	41.2	26.5	16.7	12.8	11.8	10.8	9.8	9.8
50°	2802.5	883.8	65.8	34.4	22.6	13.7	8.8	7.9	6.9	5.9	5.9
52.5°	2919.3	858.2	57.0	27.5	17.7	9.8	5.9	3.9	2.9	2.9	2.9
55°	3035.2	834.7	49.1	23.6	12.8	5.9	2.9	1.0	1.0	2.0	2.0
57.5°	3178.6	808.1	42.2	19.6	9.8	3.9	2.0	0.0	1.0	1.0	2.0
60°	3403.4	780.7	37.3	16.7	6.9	2.9	1.0	0.0	0.0	1.0	1.0
62.5°	3604.7	732.5	32.4	14.7	5.9	2.9	1.0	0.0	0.0	0.0	1.0
65°	3692.1	633.4	28.5	12.8	5.9	2.9	1.0	0.0	0.0	0.0	0.0
67°	3545.8	512.6	25.5	11.8	4.9	2.0	1.0	0.0	0.0	0.0	0.0
67.5°	3477.1	478.2	25.5	10.8	4.9	2.0	1.0	1.0	0.0	0.0	0.0
70°	2951.8	317.2	22.6	9.8	4.9	2.0	2.0	1.0	0.0	0.0	0.0
72.5°	2265.4	184.6	19.6	8.8	4.9	2.0	2.0	1.0	1.0	0.0	0.0
75°	1266.7	93.3	15.7	8.8	4.9	2.9	2.9	2.0	2.0	2.0	0.0
77.5°	405.5	51.1	11.8	7.9	4.9	2.9	2.9	2.0	2.9	2.9	1.0
80°	63.8	26.5	8.8	5.9	4.9	2.0	2.9	2.9	3.9	3.9	1.0
82.5°	23.6	14.7	6.9	5.9	4.9	2.0	2.9	2.9	3.9	4.9	0.0
85°	10.8	8.8	6.9	5.9	4.9	2.0	2.9	2.9	3.9	4.9	0.0
87.5°	4.9	6.9	5.9	5.9	4.9	2.0	2.9	2.9	3.9	3.9	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)