

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: P413792

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413792
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-PA1-100-730-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA 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: 7218 lumens
Efficiency: N/A
Efficacy: 75.2 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

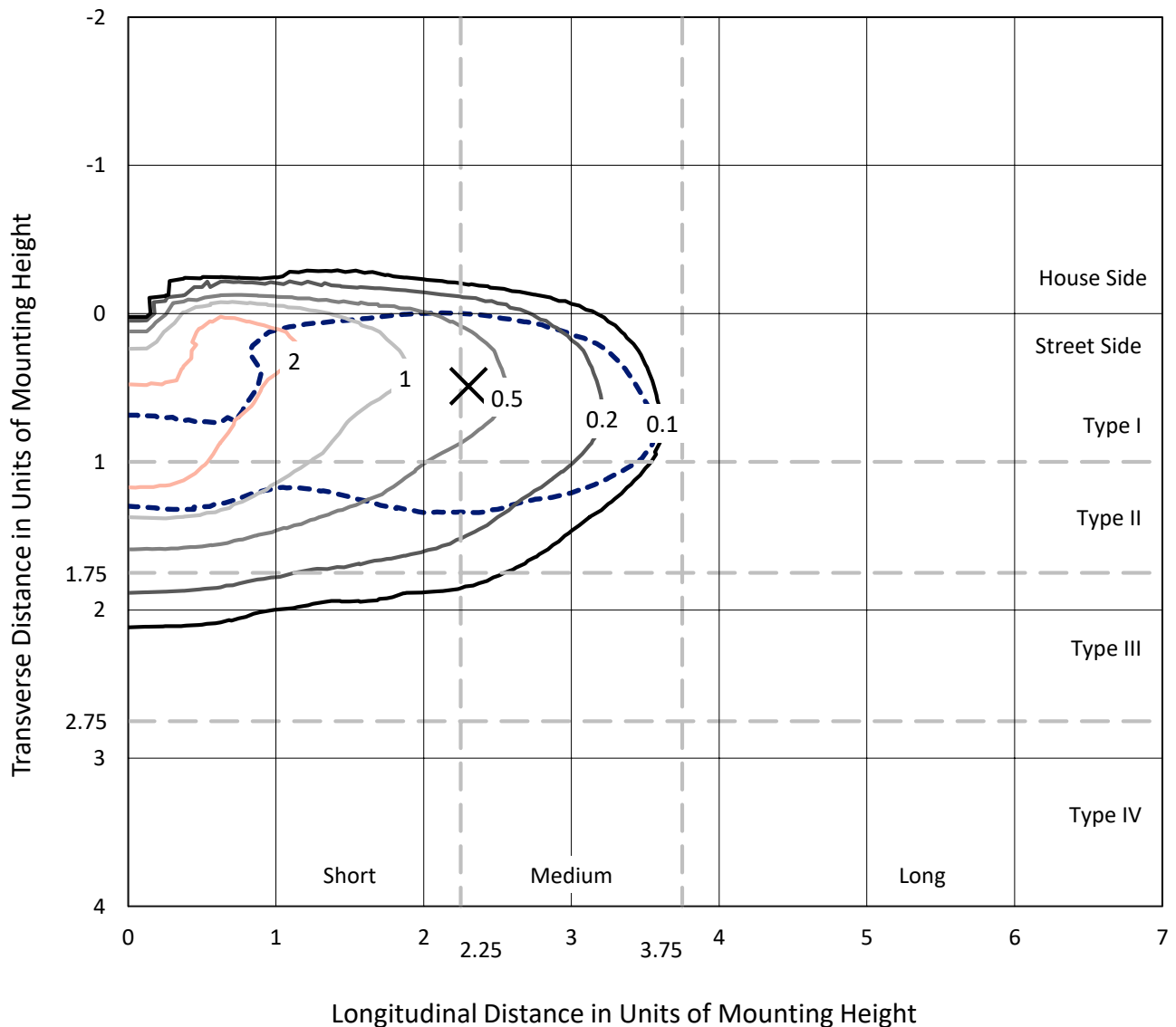
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

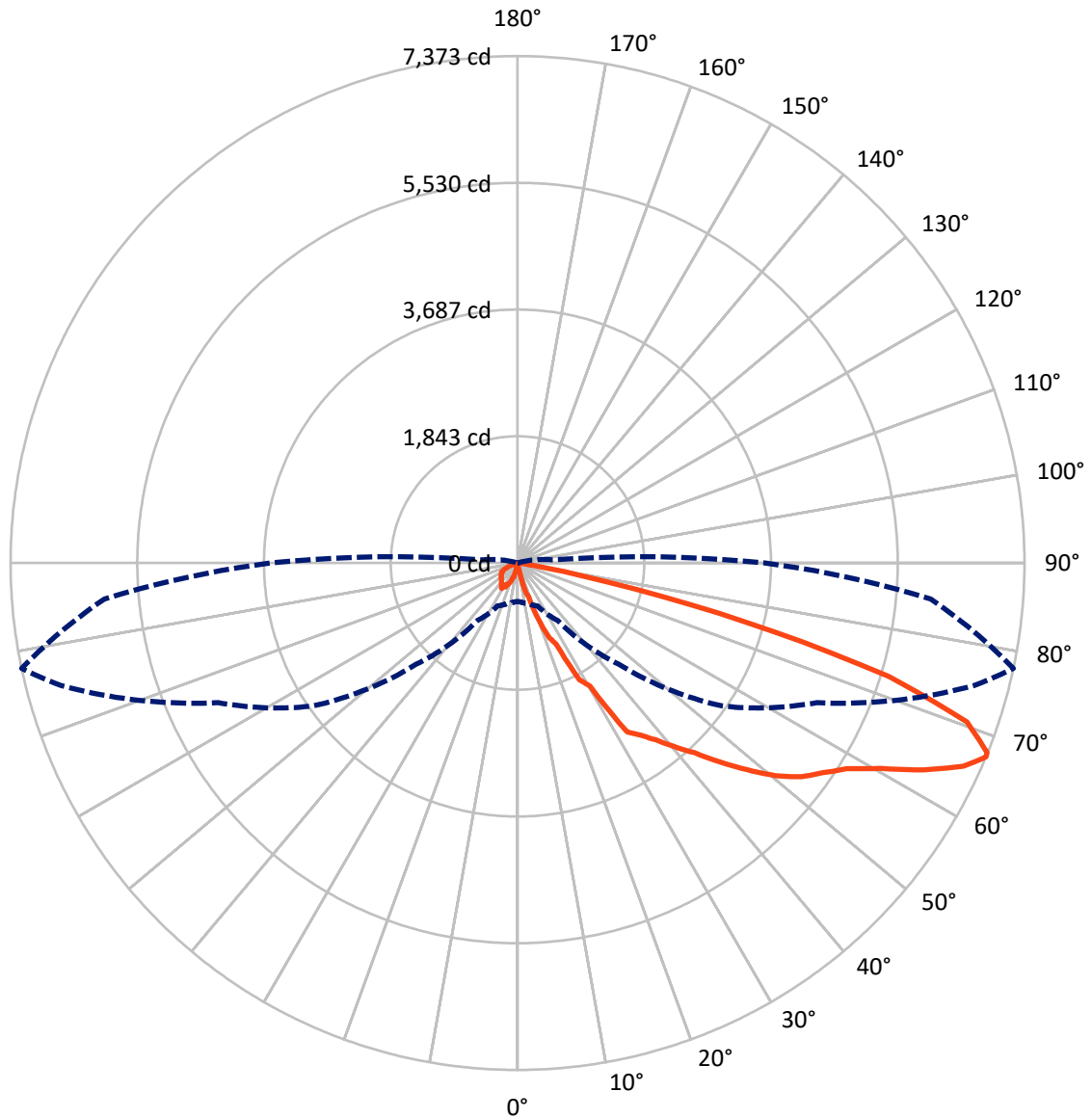


Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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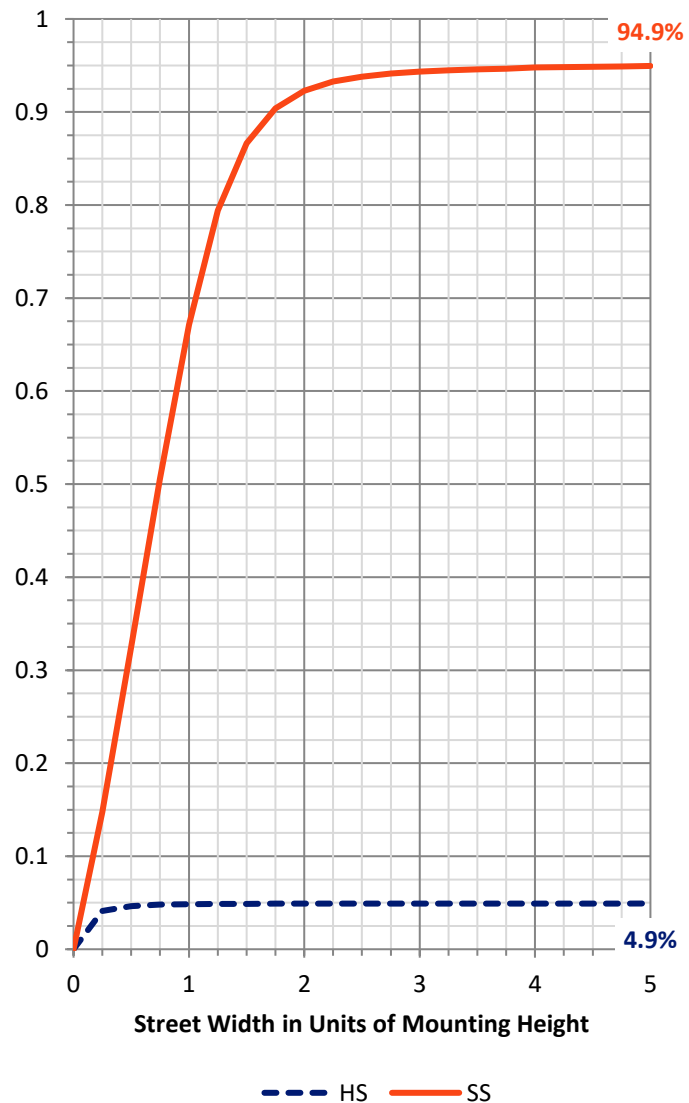
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	357.4	0.0	357.4
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	6860.6	0.0	6860.6
	% Fixture	95.0	0.0	95.0
Total	Lumens	7218.0	0.0	7218.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	0.1
10°-20°	98.3	1.4
20°-30°	391.9	5.4
30°-40°	997.0	13.8
40°-50°	1632.4	22.6
50°-60°	1840.7	25.5
60°-70°	1587.3	22.0
70°-80°	638.5	8.8
80°-90°	25.0	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°	7218.0	100.0
0°-180°	7218.0	100.0

Coefficient of Utilization



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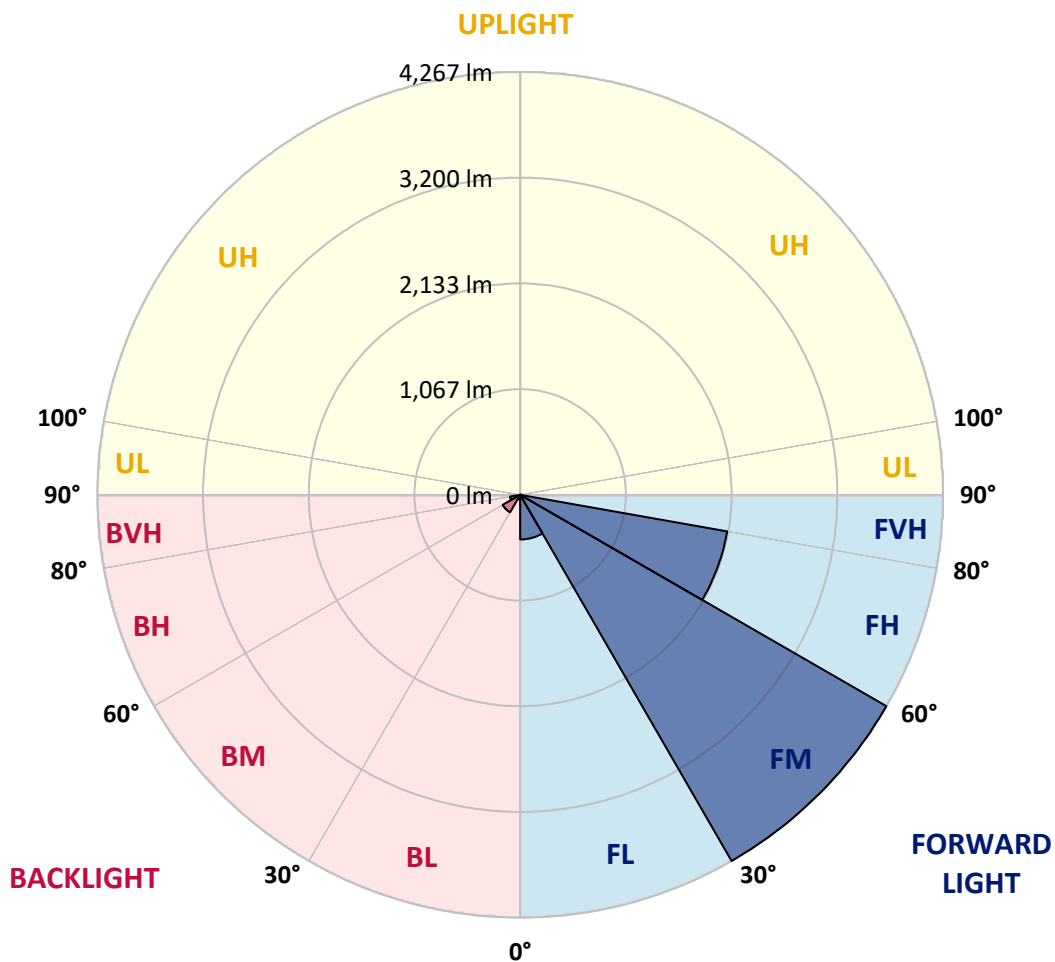
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	450.2	6.2			
FM	(30°-60°)	4266.6	59.1			
FH	(60°-80°)	2121.3	29.4			G2/5000
FVH	(80°-90°)	22.5	0.3			G1/100
BL	(0°-30°)	46.9	0.6	B0/110		
BM	(30°-60°)	203.5	2.8	B0/220		
BH	(60°-80°)	104.5	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	4.0	4.0	3.0	3.0	3.0	3.0	3.0
5°	302.3	236.7	168.0	48.7	18.9	8.9	4.0	3.0	3.0	3.0	2.0
7.5°	337.1	334.1	330.1	328.1	322.2	312.2	21.9	4.0	3.0	3.0	3.0
10°	360.9	355.0	354.0	353.0	349.0	341.1	326.1	18.9	3.0	3.0	3.0
12.5°	724.9	721.9	710.0	415.6	373.9	365.9	353.0	253.6	19.9	167.1	181.0
15°	715.9	713.9	721.9	737.8	752.7	401.7	573.7	723.9	444.5	425.6	443.5
17.5°	740.8	739.8	726.9	739.8	762.7	889.9	819.3	789.5	493.2	515.1	473.3
20°	1109.7	1107.7	1118.6	1052.0	791.5	1108.7	1029.2	855.1	968.5	889.9	893.9
22.5°	1165.4	1169.4	1166.4	1189.2	1374.2	1145.5	1280.7	1329.4	1345.4	1178.3	1017.2
25°	1710.3	1685.4	1633.7	1262.8	1481.6	1420.9	1626.8	1436.8	1446.8	1303.6	1303.6
27.5°	1916.1	1916.1	1873.4	1824.6	1572.1	1824.6	1712.3	1887.3	2058.3	1923.1	1632.7
30°	2600.2	2580.3	2148.8	2087.1	1956.9	1931.0	2067.3	2215.4	2139.8	2076.2	1836.6
32.5°	3091.4	3093.4	2984.0	2649.9	2326.8	2153.8	2394.4	2444.1	2852.8	2927.4	2489.9
35°	3944.6	3894.9	3359.9	3056.6	2738.4	2623.1	2611.2	2862.7	3097.4	3071.6	2698.7
37.5°	4486.5	4451.7	4193.2	3512.0	3104.4	2845.8	3001.0	3012.9	3392.7	3262.5	2948.3
40°	4735.1	4719.2	4500.4	3921.7	3425.5	3150.1	3199.8	3238.6	3689.0	3510.1	3158.1
42.5°	4936.0	4921.0	4722.2	4127.6	3733.8	3441.5	3423.6	3430.5	3928.7	3771.6	3369.9
45°	5032.4	5023.5	4937.9	4309.5	3868.0	3630.4	3667.2	3622.4	4137.5	4127.6	3604.5
47.5°	4938.9	4943.9	4967.8	4470.6	3966.5	3779.5	3903.8	3832.2	4386.1	4490.5	3869.0
50°	4609.8	4607.8	4744.1	4494.5	4023.1	3898.9	4112.6	4030.1	4681.4	4862.4	4107.7
52.5°	3596.6	3728.8	4222.0	4237.9	4010.2	3958.5	4269.7	4257.8	4959.8	5164.7	4346.3
55°	2706.6	2760.3	3228.7	3676.1	3843.2	3951.6	4325.4	4410.9	5165.7	5385.4	4533.2
57.5°	2126.9	2109.0	2365.6	2963.2	3421.6	3834.2	4312.5	4470.6	5366.5	5643.9	4779.8
60°	1556.2	1572.1	1775.9	2148.8	2814.0	3567.7	4272.7	4567.1	5684.7	6061.6	5146.8
62.5°	1128.6	1128.6	1268.8	1496.5	2155.8	3140.2	4186.2	4702.3	6182.9	6628.3	5583.3
65°	759.7	754.7	859.1	975.5	1476.6	2598.2	3953.5	4828.6	6660.2	7126.5	5958.2
67°	558.8	569.8	612.5	689.1	1021.2	2081.2	3621.4	4803.7	6879.9	7373.1	6031.7
67.5°	523.0	528.0	586.7	654.3	941.7	1944.0	3527.0	4773.9	6903.8	7367.1	5994.0
70°	379.8	387.8	419.6	439.5	569.8	1282.7	2815.0	4304.5	6555.8	6935.6	5450.0
72.5°	203.8	220.7	305.3	303.3	354.0	782.6	1914.1	3194.9	5388.4	5645.9	4183.2
75°	159.1	161.1	182.0	224.7	228.7	435.5	920.8	1856.5	3408.6	3427.5	2322.8
77.5°	116.3	121.3	134.2	142.2	149.2	247.6	322.2	737.8	1509.4	1318.5	870.1
80°	78.6	81.5	88.5	105.4	122.3	140.2	104.4	196.9	355.0	275.4	130.3
82.5°	33.8	32.8	61.6	88.5	87.5	57.7	52.7	61.6	70.6	64.6	39.8
85°	2.0	3.0	31.8	42.8	36.8	24.9	32.8	25.9	26.8	25.9	19.9
87.5°	1.0	1.0	3.0	4.0	5.0	5.0	6.0	6.0	8.0	8.9	8.0
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°	3.0	3.0	3.0	3.0	3.0	1.0	1.0	0.0	0.0	0.0	0.0
5°	3.0	3.0	3.0	3.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0
7.5°	3.0	3.0	3.0	3.0	3.0	1.0	0.0	10.9	29.8	31.8	30.8
10°	3.0	3.0	3.0	3.0	2.0	25.9	35.8	33.8	32.8	31.8	31.8
12.5°	181.0	153.1	27.8	6.0	25.9	32.8	28.8	28.8	27.8	27.8	27.8
15°	395.8	332.1	156.1	52.7	40.8	27.8	25.9	25.9	42.8	46.7	45.7
17.5°	414.6	335.1	153.1	71.6	58.7	35.8	35.8	45.7	44.7	42.8	42.8
20°	788.5	517.1	177.0	70.6	53.7	56.7	42.8	39.8	37.8	35.8	35.8
22.5°	843.2	607.5	189.9	89.5	57.7	56.7	43.8	36.8	46.7	45.7	45.7
25°	1088.8	733.8	172.0	83.5	74.6	51.7	46.7	40.8	39.8	37.8	37.8
27.5°	1349.3	868.1	189.9	86.5	67.6	50.7	43.8	35.8	37.8	41.8	41.8
30°	1479.6	869.1	150.1	88.5	64.6	51.7	38.8	39.8	37.8	36.8	35.8
32.5°	1985.7	1115.7	144.2	84.5	60.7	44.7	39.8	34.8	31.8	34.8	34.8
35°	2075.2	1076.9	125.3	85.5	54.7	40.8	33.8	31.8	31.8	30.8	30.8
37.5°	2173.7	1035.1	110.4	75.6	52.7	36.8	28.8	28.8	27.8	29.8	29.8
40°	2282.0	991.4	98.4	65.6	44.7	30.8	25.9	24.9	25.9	25.9	24.9
42.5°	2408.3	948.6	88.5	57.7	37.8	25.9	20.9	20.9	20.9	19.9	19.9
45°	2543.6	914.8	81.5	49.7	31.8	21.9	16.9	15.9	14.9	14.9	14.9
47.5°	2703.6	900.9	75.6	41.8	26.8	16.9	12.9	11.9	10.9	9.9	9.9
50°	2837.9	894.9	66.6	34.8	22.9	13.9	8.9	8.0	7.0	6.0	6.0
52.5°	2956.2	869.1	57.7	27.8	17.9	9.9	6.0	4.0	3.0	3.0	3.0
55°	3073.5	845.2	49.7	23.9	12.9	6.0	3.0	1.0	1.0	2.0	2.0
57.5°	3218.7	818.4	42.8	19.9	9.9	4.0	2.0	0.0	1.0	1.0	2.0
60°	3446.4	790.5	37.8	16.9	7.0	3.0	1.0	0.0	0.0	1.0	1.0
62.5°	3650.3	741.8	32.8	14.9	6.0	3.0	1.0	0.0	0.0	0.0	1.0
65°	3738.8	641.4	28.8	12.9	6.0	3.0	1.0	0.0	0.0	0.0	0.0
67°	3590.6	519.1	25.9	11.9	5.0	2.0	1.0	0.0	0.0	0.0	0.0
67.5°	3521.0	484.2	25.9	10.9	5.0	2.0	1.0	1.0	0.0	0.0	0.0
70°	2989.0	321.2	22.9	9.9	5.0	2.0	2.0	1.0	0.0	0.0	0.0
72.5°	2294.0	186.9	19.9	8.9	5.0	2.0	2.0	1.0	1.0	0.0	0.0
75°	1282.7	94.5	15.9	8.9	5.0	3.0	3.0	2.0	2.0	2.0	0.0
77.5°	410.7	51.7	11.9	8.0	5.0	3.0	3.0	2.0	3.0	3.0	1.0
80°	64.6	26.8	8.9	6.0	5.0	2.0	3.0	3.0	4.0	4.0	1.0
82.5°	23.9	14.9	7.0	6.0	5.0	2.0	3.0	3.0	4.0	5.0	0.0
85°	10.9	8.9	7.0	6.0	5.0	2.0	3.0	3.0	4.0	5.0	0.0
87.5°	5.0	7.0	6.0	6.0	5.0	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)