

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: P416297

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-730-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5632 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

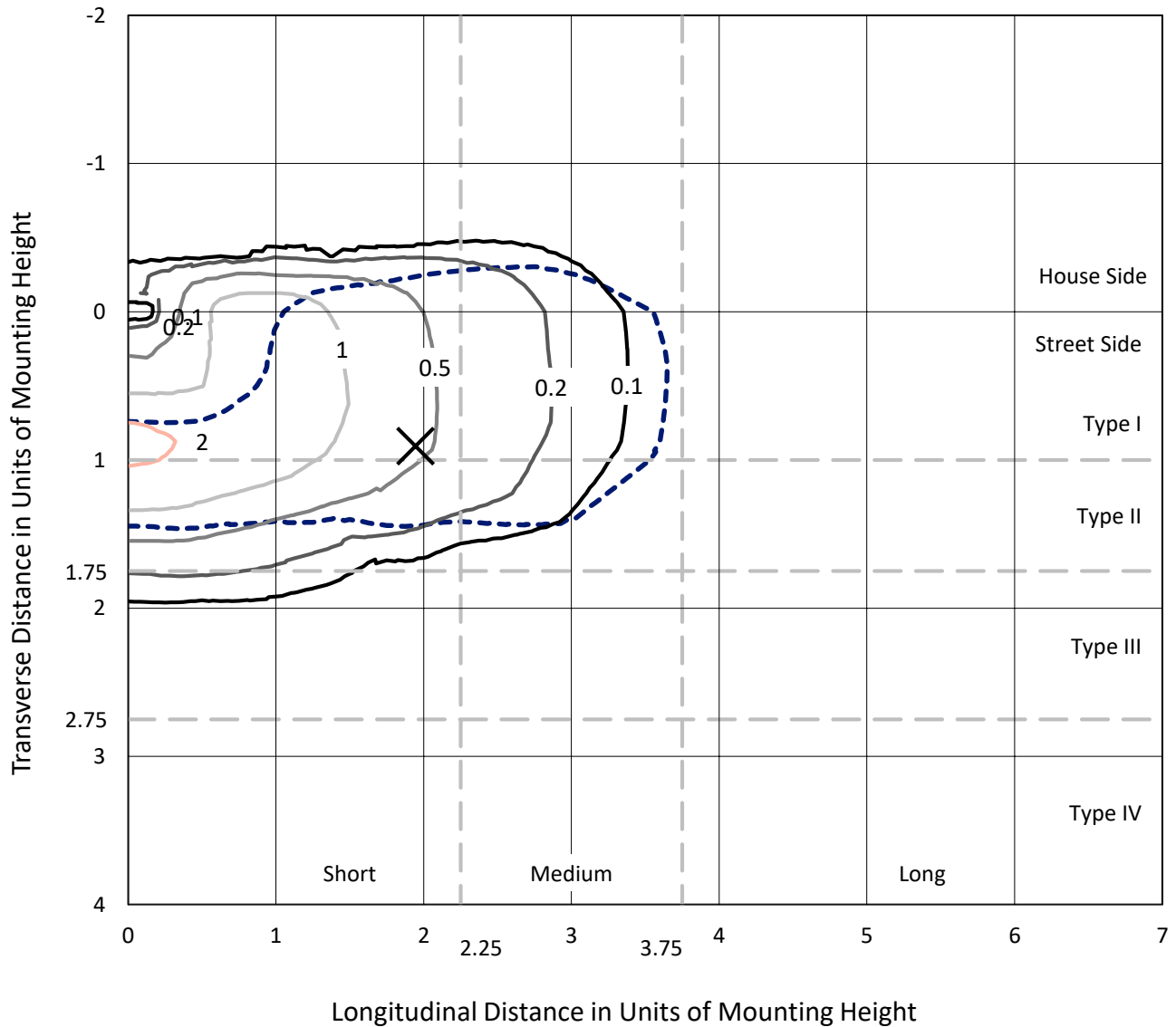
Input Watts (W): 74
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416297
 CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

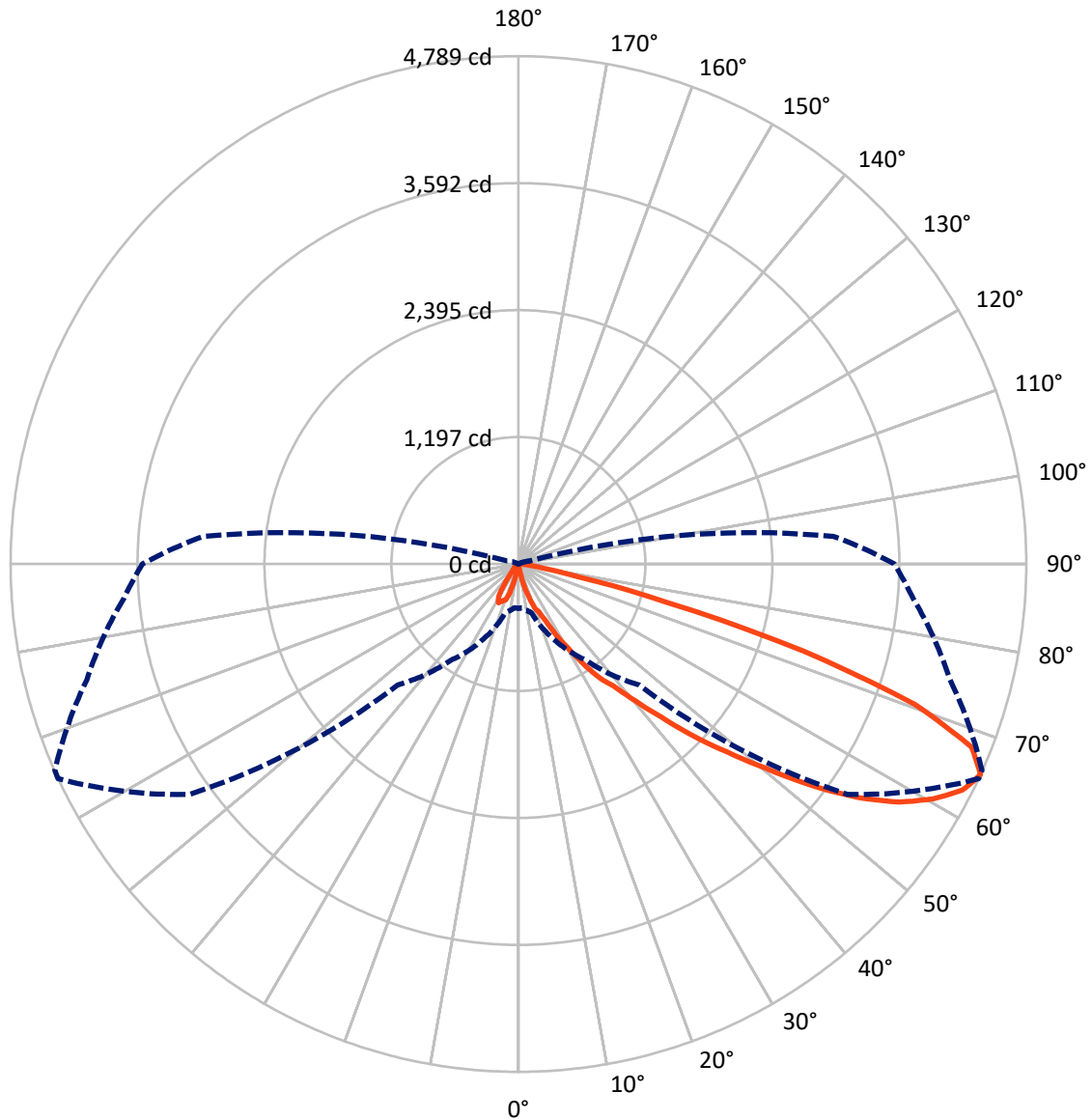
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - Full Cutoff

REPORT NUMBER: P416297
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2U-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P416297

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2U-HSS

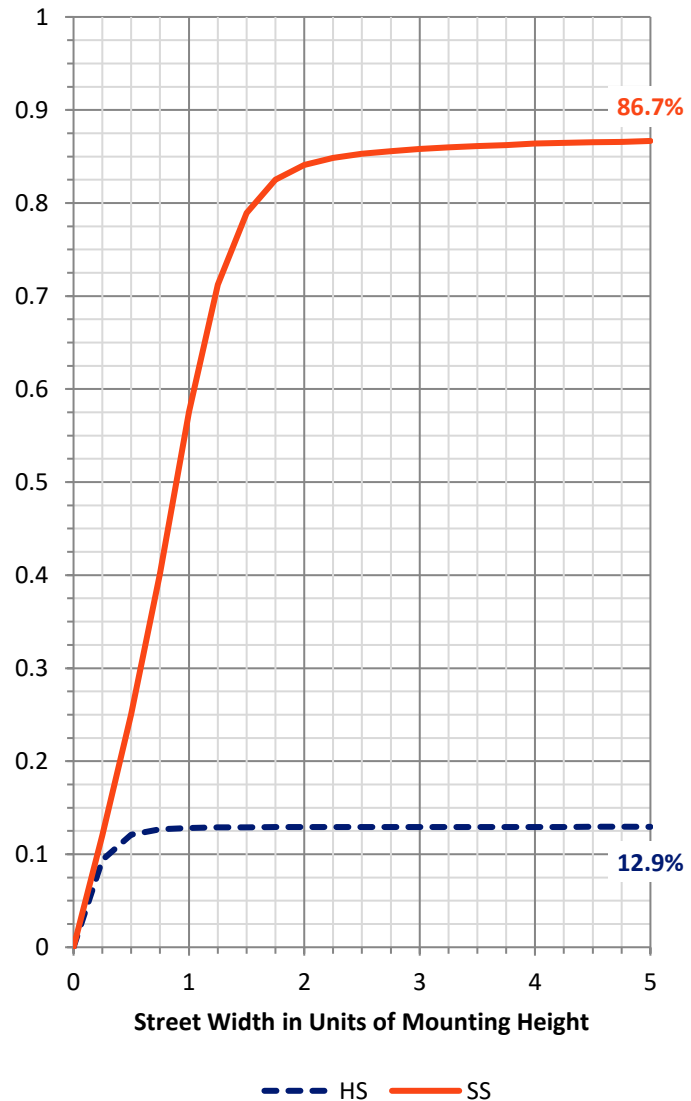
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	739.0	0.0	739.0
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	4893.0	0.0	4893.0
	% Fixture	86.9	0.0	86.9
Total	Lumens	5632.0	0.0	5632.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	58.5	1.0
20°-30°	198.6	3.5
30°-40°	558.8	9.9
40°-50°	1239.9	22.0
50°-60°	1662.5	29.5
60°-70°	1324.5	23.5
70°-80°	545.7	9.7
80°-90°	39.1	0.7
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°	5632.0	100.0
0°-180°	5632.0	100.0



REPORT NUMBER: P416297

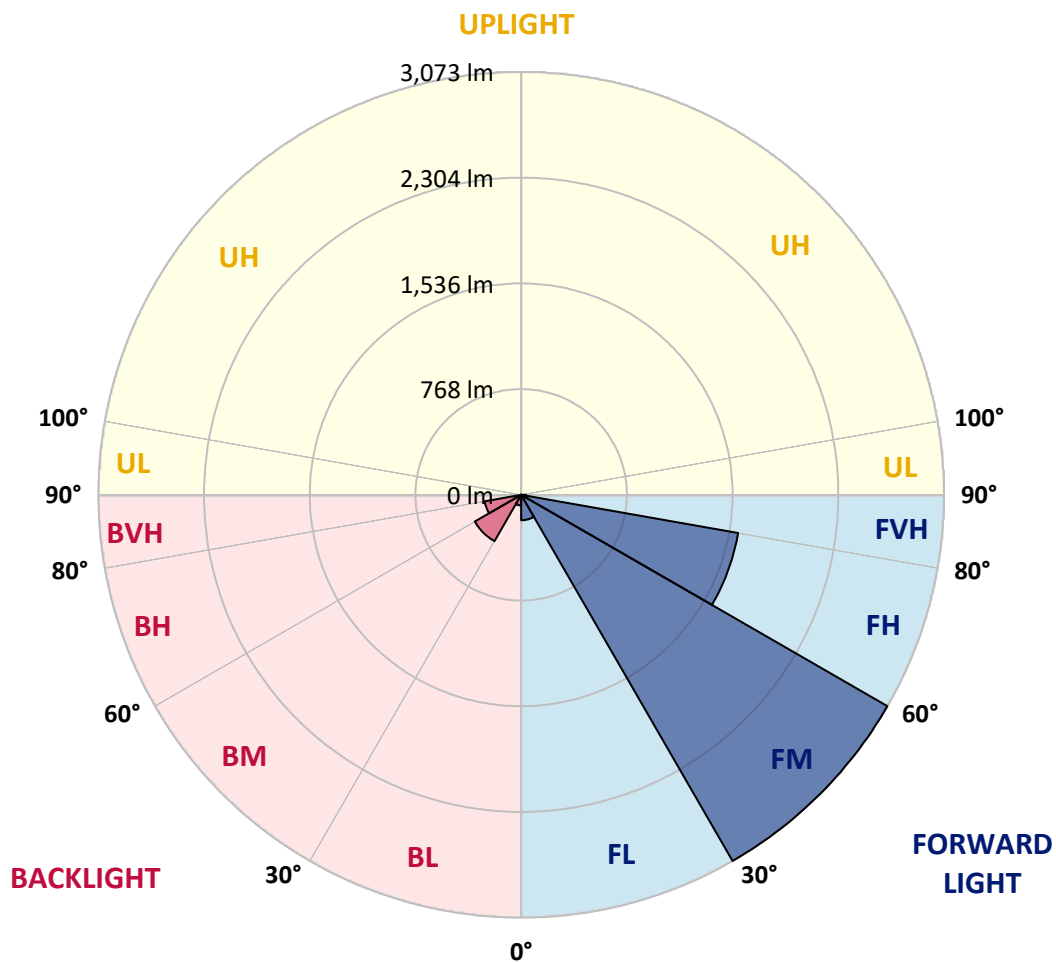
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.7	3.3			
FM (30°-60°)	3072.6	54.6			
FH (60°-80°)	1600.9	28.4			G1/1800
FVH (80°-90°)	34.7	0.6			G1/100
BL (0°-30°)	76.9	1.4	B0/110		
BM (30°-60°)	388.6	6.9	B1/1000		
BH (60°-80°)	269.2	4.8	B1/500		G1/500
BVH (80°-90°)	4.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P416297

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	0.8	0.8	0.8	2.5	2.5	2.5	2.5	1.7	1.7	1.7	1.7
5°	24.2	22.5	16.7	9.2	5.0	3.3	2.5	1.7	1.7	1.7	1.7
7.5°	168.3	167.5	167.5	169.1	170.0	60.8	5.8	2.5	2.5	1.7	1.7
10°	161.6	160.8	160.8	163.3	165.8	166.6	160.0	4.2	3.3	1.7	1.7
12.5°	301.6	296.6	189.1	165.8	161.6	163.3	164.1	141.6	65.8	101.6	125.8
15°	302.4	299.9	302.4	306.6	244.9	170.8	249.1	243.3	243.3	179.1	245.8
17.5°	305.7	302.4	304.1	309.9	300.7	353.2	333.2	344.9	344.9	254.9	271.6
20°	451.5	450.7	457.4	334.9	374.1	438.2	363.2	445.7	454.0	379.1	392.4
22.5°	460.7	459.9	470.7	469.0	459.0	470.7	531.5	488.2	490.7	573.2	518.2
25°	641.5	626.5	508.2	499.0	603.2	559.0	637.3	588.2	583.2	693.1	657.3
27.5°	734.0	727.3	734.8	712.3	639.0	685.6	689.8	757.3	723.1	793.9	809.8
30°	892.2	896.4	858.9	821.4	837.3	795.6	829.8	920.6	916.4	899.7	1021.4
32.5°	1424.6	1381.3	1308.0	1018.0	953.9	923.9	1018.9	1121.3	1079.7	1141.3	1263.0
35°	1885.3	1788.6	1667.0	1460.4	1184.7	1104.7	1220.5	1321.3	1295.5	1419.6	1412.1
37.5°	2653.4	2608.4	2397.6	1870.3	1595.4	1377.9	1433.7	1457.9	1487.9	1629.5	1626.2
40°	3107.4	3055.8	2906.7	2489.3	2013.6	1709.5	1685.3	1697.8	1707.8	1850.3	1860.3
42.5°	3489.0	3465.7	3320.7	2920.8	2531.8	2246.8	2021.1	1971.9	1990.3	2134.4	2115.2
45°	3748.1	3720.6	3589.8	3310.7	2988.3	2841.7	2411.0	2315.2	2320.2	2400.1	2385.1
47.5°	3804.7	3772.2	3713.9	3559.0	3449.8	3330.7	2899.2	2646.7	2703.4	2707.5	2656.7
50°	3603.1	3563.1	3612.3	3575.6	3742.2	3802.2	3393.2	3033.3	3130.8	3041.6	2900.8
52.5°	3104.1	3116.6	3268.2	3379.0	3753.1	4132.1	3923.9	3476.5	3542.3	3317.4	3131.6
55°	2465.1	2495.9	2746.7	2950.0	3498.1	4224.6	4307.9	3887.2	3913.0	3610.6	3318.2
57.5°	1815.3	1857.0	2165.2	2391.8	3004.1	4025.5	4496.2	4236.3	4287.1	3822.2	3448.2
60°	1117.2	1155.5	1504.6	1849.5	2306.0	3453.2	4521.2	4497.9	4556.2	3971.3	3579.0
62.5°	680.6	713.1	865.6	1284.6	1657.0	2610.1	4312.9	4698.6	4727.8	4122.1	3673.1
65°	419.0	413.2	474.9	780.6	1105.5	1613.7	3786.4	4789.4	4786.1	4212.9	3736.4
67.5°	277.4	282.4	305.7	429.0	753.1	872.2	2715.0	4611.2	4594.5	4257.1	3711.4
70°	245.8	247.4	270.8	304.1	542.3	508.2	1370.4	3969.7	3946.3	4138.0	3555.6
72.5°	192.4	198.3	236.6	275.8	391.6	372.4	516.5	2811.7	2841.7	3517.3	3129.1
75°	136.6	140.8	179.1	240.8	292.4	284.9	291.6	1449.6	1537.9	2335.2	2292.7
77.5°	85.8	89.1	115.8	178.3	248.3	209.9	204.1	569.0	637.3	1142.2	1147.2
80°	59.1	60.0	71.6	120.0	178.3	172.4	138.3	227.4	229.9	414.0	397.4
82.5°	35.0	35.0	47.5	74.1	109.1	140.8	89.1	114.1	118.3	153.3	87.5
85°	12.5	13.3	25.8	42.5	60.8	74.1	53.3	62.5	65.0	79.1	41.7
87.5°	0.8	1.7	8.3	13.3	16.7	15.0	17.5	19.2	21.7	25.8	15.0
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: P416297

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.7	1.7	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8
5°	1.7	1.7	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8
7.5°	1.7	1.7	2.5	2.5	2.5	1.7	23.3	130.0	135.8	140.0	140.8
10°	5.0	3.3	2.5	2.5	2.5	135.0	140.0	136.6	134.1	131.6	132.5
12.5°	127.5	127.5	115.8	75.0	125.8	138.3	130.8	122.5	115.8	108.3	109.1
15°	244.9	243.3	214.9	184.9	211.6	135.8	112.5	149.1	127.5	112.5	110.0
17.5°	272.4	264.1	230.8	294.9	262.4	155.0	130.0	88.3	63.3	57.5	56.7
20°	392.4	381.6	336.6	357.4	239.9	179.1	78.3	50.0	45.0	54.2	55.8
22.5°	504.9	489.9	420.7	369.9	269.9	110.0	55.0	55.0	54.2	52.5	51.7
25°	649.0	622.3	564.0	387.4	214.1	72.5	60.0	49.2	44.2	40.8	40.8
27.5°	797.3	761.4	646.5	412.4	140.8	67.5	53.3	41.7	44.2	42.5	42.5
30°	1013.9	964.7	753.1	385.7	91.6	62.5	45.0	40.8	35.8	34.2	33.3
32.5°	1238.0	1148.0	858.1	335.7	72.5	53.3	41.7	33.3	32.5	33.3	33.3
35°	1381.3	1297.1	971.4	244.1	63.3	46.7	34.2	30.8	28.3	27.5	27.5
37.5°	1552.9	1448.7	981.4	158.3	55.0	38.3	29.2	25.8	25.8	26.7	26.7
40°	1758.7	1644.5	941.4	97.5	47.5	31.7	25.0	23.3	22.5	22.5	22.5
42.5°	1989.4	1845.3	885.6	73.3	40.0	26.7	20.8	20.0	19.2	19.2	19.2
45°	2236.0	2047.7	808.9	60.8	33.3	22.5	17.5	16.7	16.7	15.8	15.8
47.5°	2491.8	2264.3	693.1	53.3	27.5	18.3	15.0	14.2	13.3	13.3	13.3
50°	2710.9	2462.6	551.5	45.8	23.3	15.8	11.7	10.8	10.8	10.0	10.0
52.5°	2910.0	2630.9	437.4	39.2	19.2	12.5	9.2	8.3	8.3	7.5	7.5
55°	3063.3	2755.9	326.6	32.5	15.8	10.0	6.7	5.8	5.8	5.0	5.8
57.5°	3192.4	2832.5	247.4	26.7	13.3	7.5	5.0	4.2	3.3	3.3	3.3
60°	3314.9	2894.2	182.4	20.8	10.8	5.8	3.3	2.5	1.7	1.7	1.7
62.5°	3446.5	2949.1	144.1	16.7	9.2	4.2	1.7	1.7	0.0	0.0	0.0
65°	3545.6	2983.3	111.6	13.3	7.5	2.5	1.7	0.8	0.0	0.0	0.0
67.5°	3549.0	2940.0	87.5	10.8	6.7	2.5	0.8	0.0	0.0	0.0	0.0
70°	3421.5	2755.9	65.0	10.0	5.8	2.5	1.7	0.8	0.0	0.0	0.0
72.5°	2965.0	2163.5	46.7	8.3	5.0	2.5	1.7	0.8	0.8	0.0	0.0
75°	2144.4	1278.8	32.5	7.5	5.0	2.5	2.5	1.7	1.7	1.7	0.0
77.5°	1099.7	531.5	21.7	6.7	4.2	1.7	3.3	2.5	2.5	2.5	0.8
80°	322.4	183.3	13.3	5.8	4.2	1.7	3.3	3.3	3.3	3.3	0.8
82.5°	61.6	35.8	8.3	5.8	4.2	1.7	3.3	3.3	3.3	4.2	0.0
85°	24.2	14.2	5.8	5.0	4.2	1.7	3.3	3.3	4.2	4.2	0.0
87.5°	8.3	6.7	5.0	4.2	4.2	1.7	3.3	3.3	3.3	4.2	0.8
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)