

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: P413752

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T2U**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413752  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-727-U-T2U  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8480 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G2

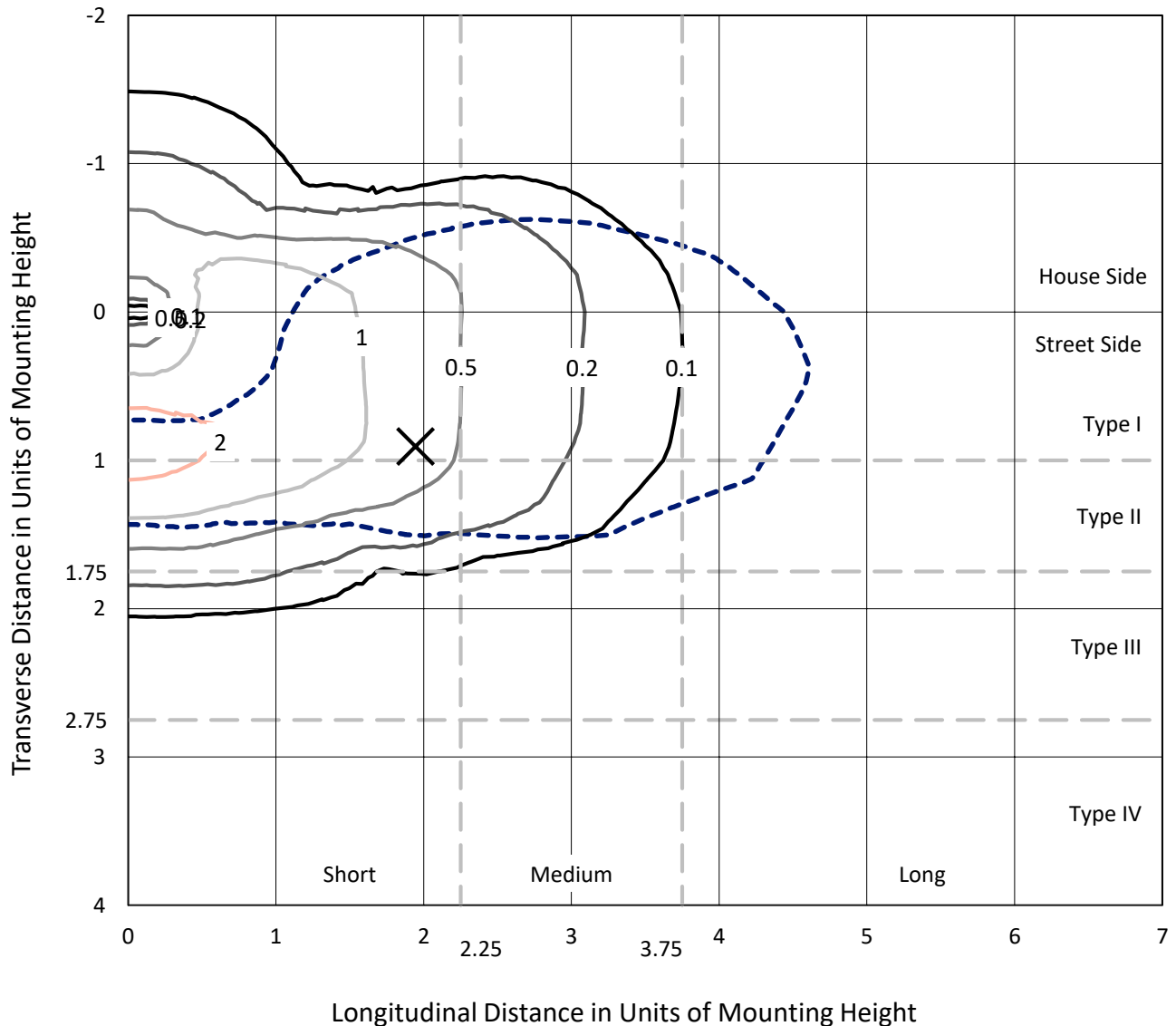
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

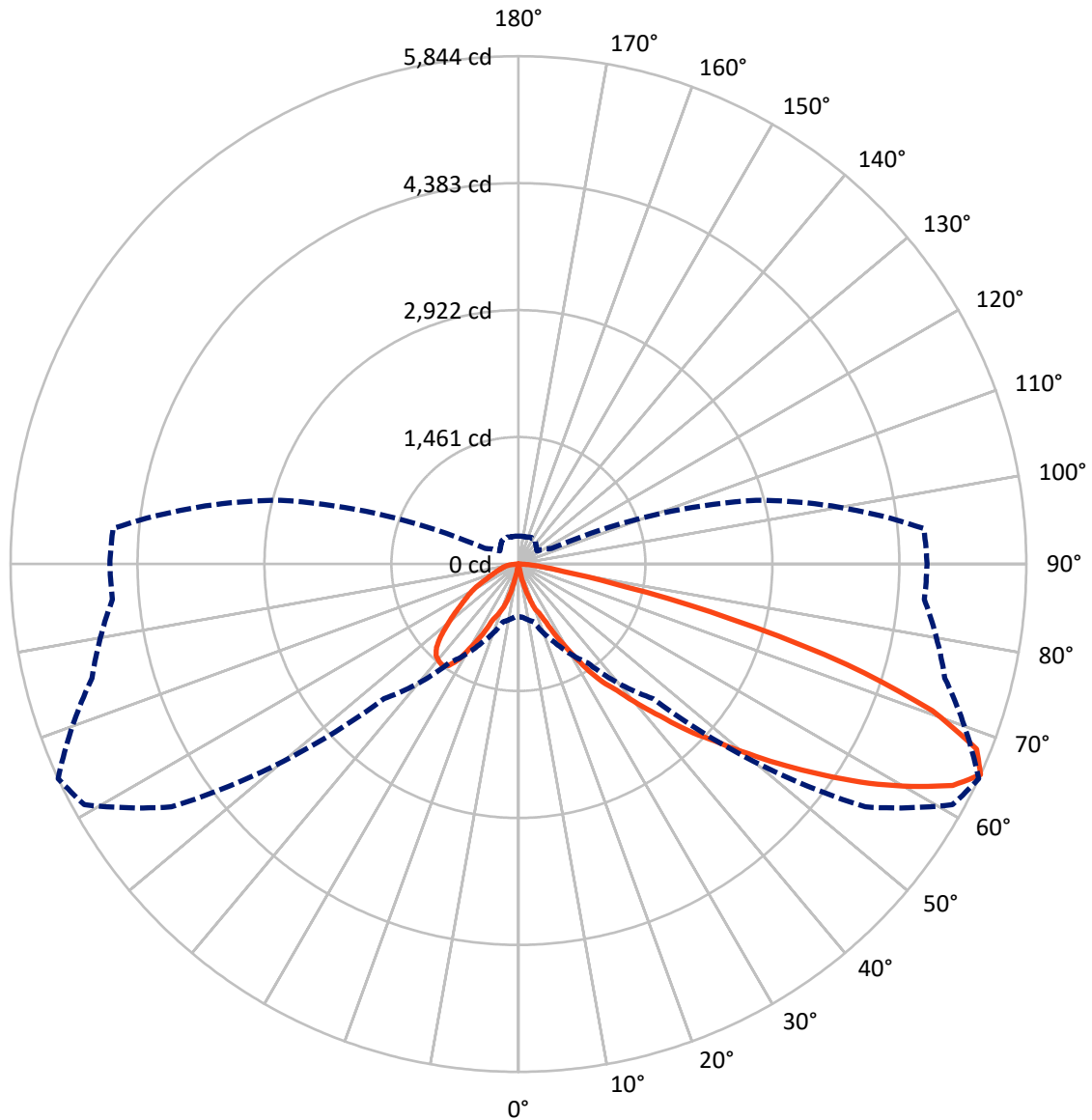
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2288.2	0.0	2288.2
	% Fixture	27.0	0.0	27.0
<b>Street Side</b>	Lumens	6191.8	0.0	6191.8
	% Fixture	73.0	0.0	73.0
<b>Total</b>	Lumens	8480.0	0.0	8480.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.2	0.1
10°-20°	93.7	1.1
20°-30°	360.7	4.3
30°-40°	902.7	10.6
40°-50°	1680.7	19.8
50°-60°	2200.7	26.0
60°-70°	1972.9	23.3
70°-80°	1085.2	12.8
80°-90°	177.3	2.1
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°	8480.0	100.0
0°-180°	8480.0	100.0



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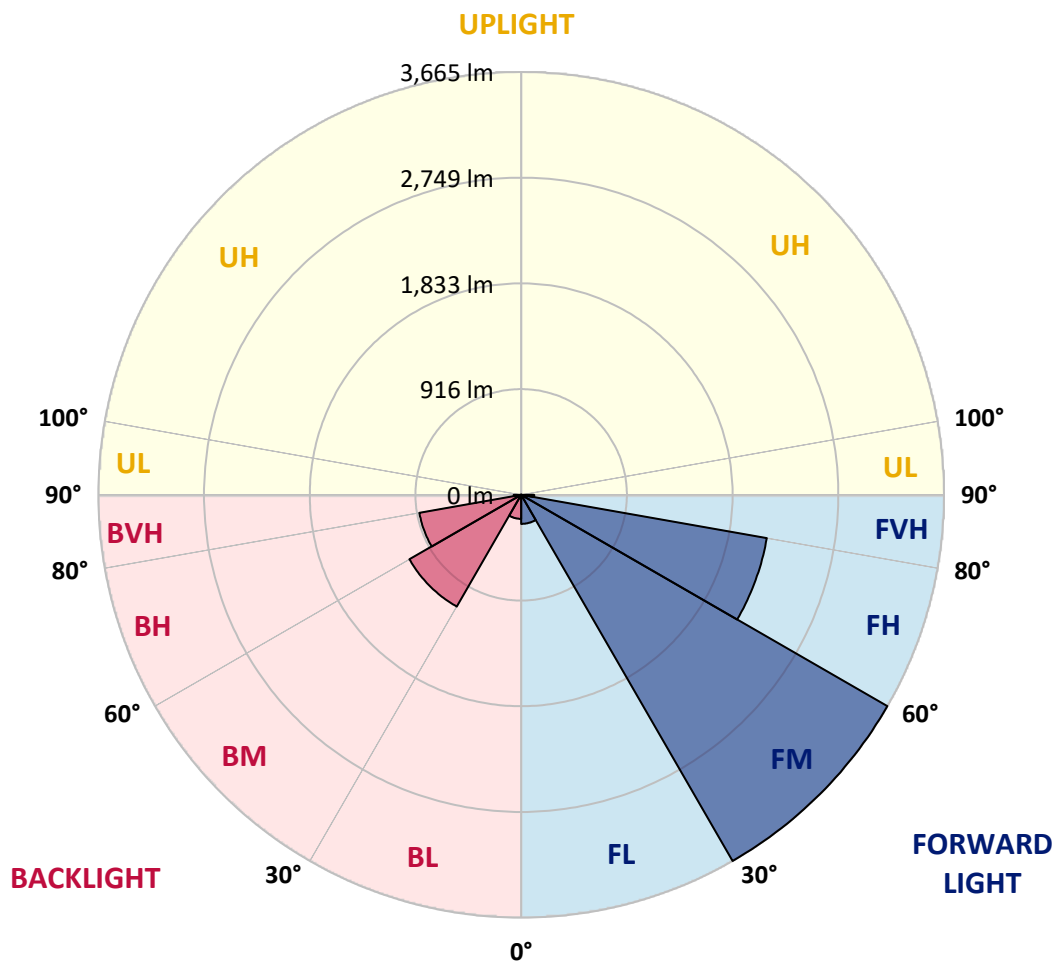
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.1	3.0			
FM (30°-60°)	3665.2	43.2			
FH (60°-80°)	2162.1	25.5			G2/5000
FVH (80°-90°)	112.5	1.3			G2/225
BL (0°-30°)	208.4	2.5	B1/500		
BM (30°-60°)	1118.9	13.2	B2/2500		
BH (60°-80°)	896.1	10.6	B2/1000		G2/1000
BVH (80°-90°)	64.8	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	4.6	4.6	5.5	6.4	6.4	5.5	4.6	3.7	2.7	1.8	1.8
5°	42.0	37.4	29.2	20.1	11.9	9.1	7.3	5.5	4.6	2.7	1.8
7.5°	205.4	204.5	203.6	204.5	200.0	78.5	14.6	9.1	7.3	3.7	2.7
10°	206.4	205.4	204.5	206.4	206.4	203.6	193.6	28.3	14.6	9.1	9.1
12.5°	367.1	354.3	244.7	215.5	208.2	208.2	208.2	186.3	177.1	130.6	158.0
15°	385.3	382.6	381.7	383.5	339.7	224.6	314.1	295.8	299.5	255.7	303.1
17.5°	405.4	400.8	397.2	398.1	382.6	441.0	412.7	421.8	425.5	323.2	354.3
20°	628.2	628.2	580.7	440.1	483.0	553.3	456.5	501.3	555.2	483.0	495.8
22.5°	713.1	706.7	700.3	663.8	607.2	603.5	663.8	581.6	617.2	709.5	655.6
25°	969.7	971.5	814.5	766.1	848.3	739.6	792.6	788.0	746.0	860.1	830.9
27.5°	1227.2	1230.8	1213.5	1080.2	969.7	951.4	902.1	972.4	961.5	954.2	1022.7
30°	1467.3	1466.4	1387.9	1332.2	1272.8	1166.9	1112.1	1126.7	1170.6	1130.4	1275.6
32.5°	2041.7	2026.1	1942.1	1588.8	1497.5	1397.9	1382.4	1341.3	1429.0	1400.7	1534.9
35°	2424.2	2420.6	2268.1	2069.1	1780.5	1670.0	1671.9	1595.2	1667.3	1703.8	1724.8
37.5°	3278.9	3266.1	3034.2	2450.7	2223.4	1996.0	1954.0	1917.5	1842.6	1948.5	1947.6
40°	3739.1	3702.6	3498.0	3113.6	2610.5	2336.6	2248.9	2170.4	2116.5	2178.6	2170.4
42.5°	4097.0	4068.7	3924.4	3526.3	3115.4	2902.7	2575.8	2500.9	2392.3	2466.2	2427.9
45°	4353.6	4339.0	4210.2	3914.4	3599.4	3443.2	2944.7	2827.8	2733.8	2723.7	2700.9
47.5°	4402.9	4371.9	4333.5	4167.3	4033.1	3986.5	3401.2	3199.5	3044.2	3015.0	2976.7
50°	4170.1	4160.9	4211.2	4181.0	4344.5	4453.1	3928.1	3648.7	3431.4	3328.2	3254.2
52.5°	3630.4	3649.6	3842.3	3976.5	4383.7	4778.2	4423.0	4152.7	3856.0	3628.6	3529.1
55°	2884.4	2953.8	3239.6	3519.0	4138.1	4918.8	4892.3	4679.6	4297.0	3964.6	3817.6
57.5°	2215.1	2207.8	2575.8	2829.7	3639.6	4824.7	5197.3	5137.0	4760.8	4313.4	4093.4
60°	1435.4	1429.0	1863.6	2188.7	2805.0	4342.6	5355.2	5513.2	5196.4	4614.7	4341.7
62.5°	936.8	976.1	1141.4	1603.4	2003.3	3358.3	5302.3	5747.0	5610.9	4894.1	4580.0
65°	602.6	617.2	689.4	998.9	1388.8	2190.5	4873.1	5712.3	5843.8	5080.4	4688.7
67.5°	449.2	452.9	487.6	620.9	945.0	1145.0	3824.9	5230.2	5685.8	5093.2	4653.1
70°	394.5	401.8	435.5	468.4	703.1	720.4	2236.1	4204.8	5052.1	4909.7	4473.2
72.5°	336.9	344.2	389.0	436.5	537.8	540.5	836.4	2794.0	3955.5	4537.1	4184.7
75°	274.8	279.4	318.7	382.6	448.3	433.7	483.9	1262.8	2532.0	3771.0	3732.7
77.5°	221.9	225.5	253.8	305.0	397.2	332.4	360.7	541.5	1258.2	2722.8	3024.1
80°	160.7	162.5	189.9	233.8	298.6	296.8	269.4	343.3	519.5	1590.6	2002.4
82.5°	102.3	102.3	130.6	153.4	198.1	293.1	189.0	231.0	290.4	791.6	963.3
85°	57.5	59.4	82.2	89.5	116.0	178.1	136.0	127.8	157.1	286.7	237.4
87.5°	11.0	13.7	23.7	25.6	30.1	42.0	49.3	44.7	46.6	66.7	39.3
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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	1.8	2.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	2.7	2.7
5°	1.8	2.7	3.7	3.7	4.6	6.4	7.3	7.3	8.2	9.1	8.2
7.5°	1.8	2.7	3.7	5.5	7.3	14.6	53.0	187.2	200.9	203.6	207.3
10°	8.2	8.2	9.1	10.0	41.1	196.3	210.9	212.7	214.6	215.5	216.4
12.5°	160.7	158.9	158.0	121.4	187.2	216.4	219.1	221.0	223.7	266.6	288.5
15°	306.8	307.7	292.2	280.3	326.0	237.4	252.9	390.8	404.5	409.1	411.8
17.5°	351.5	367.1	326.0	432.8	429.2	361.6	398.1	419.1	420.9	423.7	424.6
20°	499.5	495.8	474.8	542.4	464.8	594.4	493.1	424.6	534.2	588.0	588.9
22.5°	648.3	649.2	619.1	626.4	668.4	611.8	494.0	560.6	574.3	573.4	570.7
25°	835.5	828.2	813.6	696.7	788.9	665.6	657.4	543.3	545.1	588.9	617.2
27.5°	1021.7	1003.5	946.0	903.0	819.0	740.5	620.9	588.0	633.7	630.9	631.9
30°	1279.2	1250.9	1092.1	1086.6	869.3	733.2	631.9	585.3	569.8	573.4	571.6
32.5°	1536.7	1485.6	1342.2	1295.7	926.8	683.0	579.8	540.5	585.3	591.7	588.0
35°	1695.6	1653.6	1604.3	1418.9	933.2	629.1	525.0	534.2	531.4	528.7	530.5
37.5°	1881.0	1812.5	1769.6	1460.9	880.2	561.5	500.4	493.1	536.9	537.8	534.2
40°	2088.2	2010.6	1914.7	1441.8	759.7	508.6	464.8	488.5	491.2	480.3	477.5
42.5°	2322.0	2208.8	2066.3	1416.2	630.0	477.5	451.1	453.8	455.6	443.8	439.2
45°	2557.6	2425.2	2196.0	1345.0	536.0	446.5	430.1	429.2	420.0	409.1	406.3
47.5°	2821.4	2666.2	2302.8	1220.8	469.3	422.8	416.4	399.0	401.8	391.7	390.8
50°	3093.5	2926.4	2364.0	1072.0	425.5	402.7	391.7	386.2	393.5	381.7	379.8
52.5°	3360.2	3220.5	2460.8	938.7	388.1	385.3	380.8	382.6	385.3	372.5	371.6
55°	3649.6	3549.2	2549.3	811.7	355.2	361.6	377.1	376.2	375.3	363.4	363.4
57.5°	3915.3	3866.0	2639.7	714.0	329.6	340.6	368.9	368.9	364.3	354.3	353.4
60°	4223.9	4187.4	2725.6	626.4	307.7	321.4	358.8	359.8	351.5	344.2	342.4
62.5°	4504.3	4476.9	2794.0	534.2	284.0	305.0	344.2	350.6	338.8	333.3	333.3
65°	4701.5	4682.3	2831.5	420.0	261.1	288.5	328.7	337.8	322.3	321.4	321.4
67.5°	4718.8	4707.0	2753.9	350.6	244.7	273.0	309.5	318.7	305.0	307.7	302.2
70°	4557.2	4470.5	2533.8	292.2	228.3	252.9	286.7	297.7	284.0	284.9	275.8
72.5°	4215.7	3965.5	2144.8	248.4	210.0	231.0	262.1	272.1	259.3	256.6	246.5
75°	3641.4	3255.2	1492.9	215.5	190.8	207.3	231.9	242.0	233.8	220.1	217.3
77.5°	2820.5	2385.9	914.9	186.3	173.5	182.6	200.9	206.4	198.1	181.7	179.0
80°	1777.8	1430.8	441.0	161.6	150.7	155.2	167.1	171.7	165.3	148.8	139.7
82.5°	814.5	618.2	232.8	130.6	122.4	122.4	134.2	130.6	125.1	109.6	88.6
85°	189.9	195.4	107.7	80.4	77.6	69.4	80.4	79.4	71.2	54.8	45.7
87.5°	31.0	34.7	27.4	24.7	20.1	15.5	17.3	14.6	12.8	6.4	2.7
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)