

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: P415092

Luminaire Tested: **LXF.LXT-PA1-40-740-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415092
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-PA1-40-740-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 500mA 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: 3974 lumens
Efficiency: N/A
Efficacy: 99.3 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 - G1

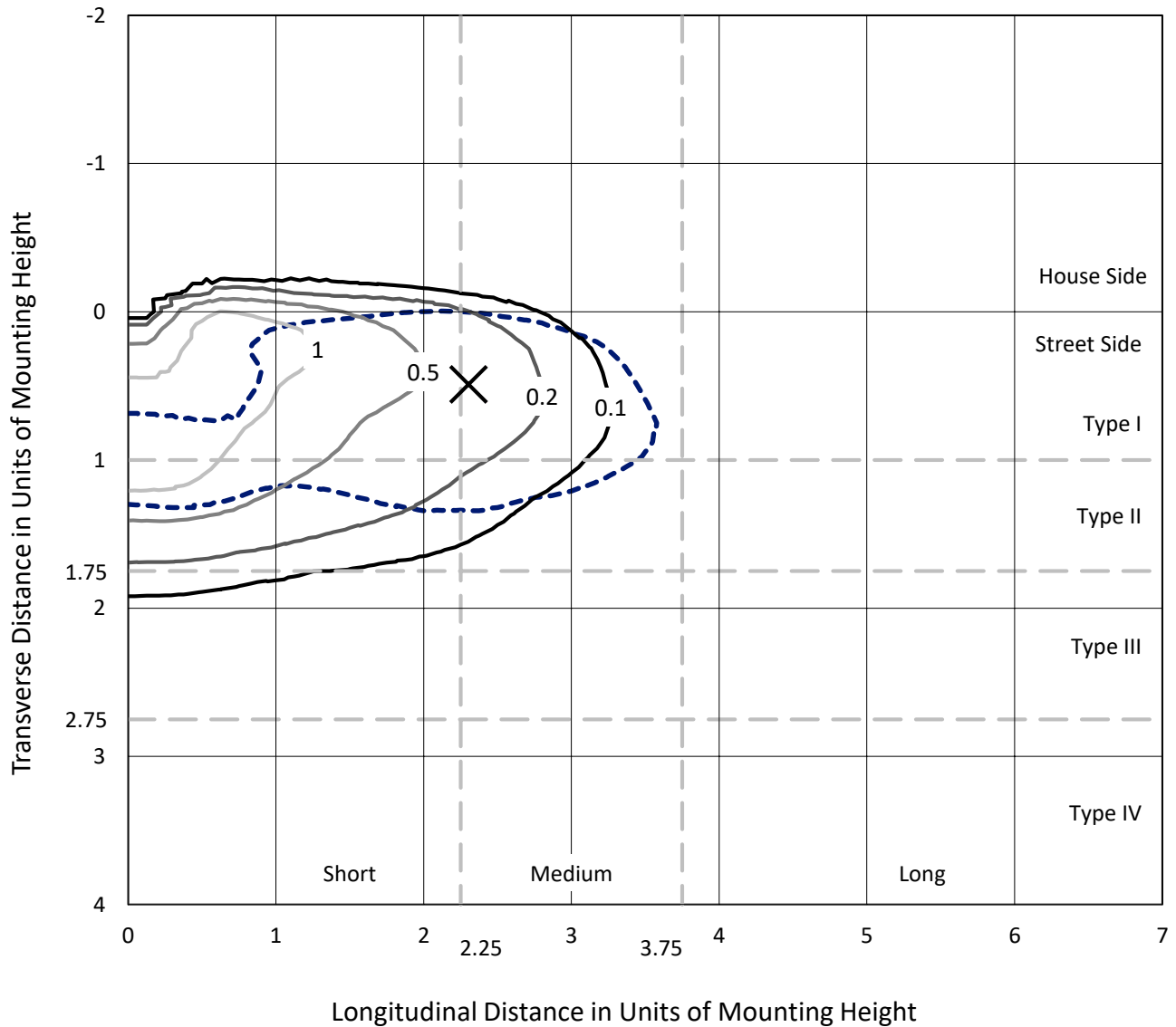
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

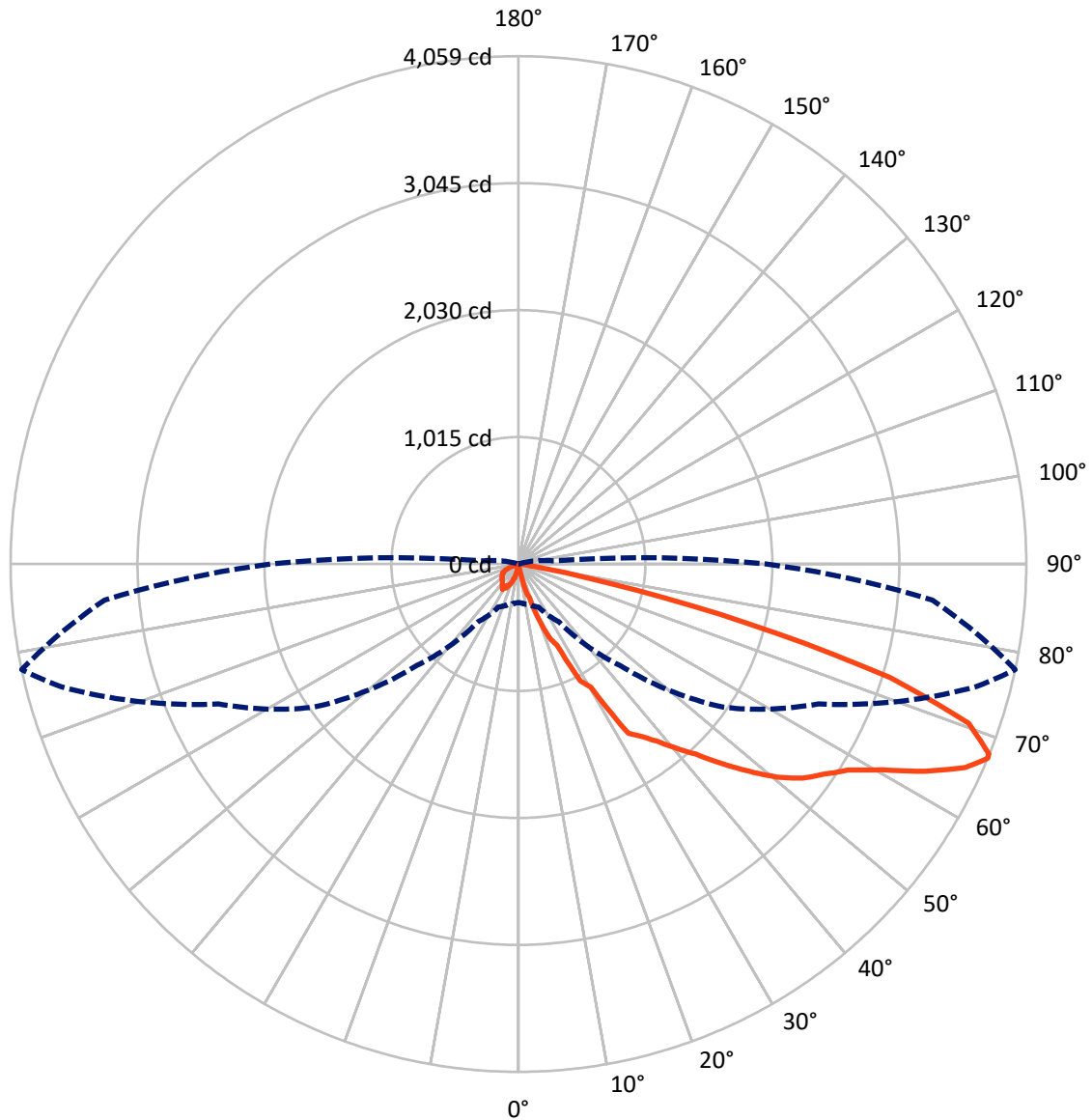
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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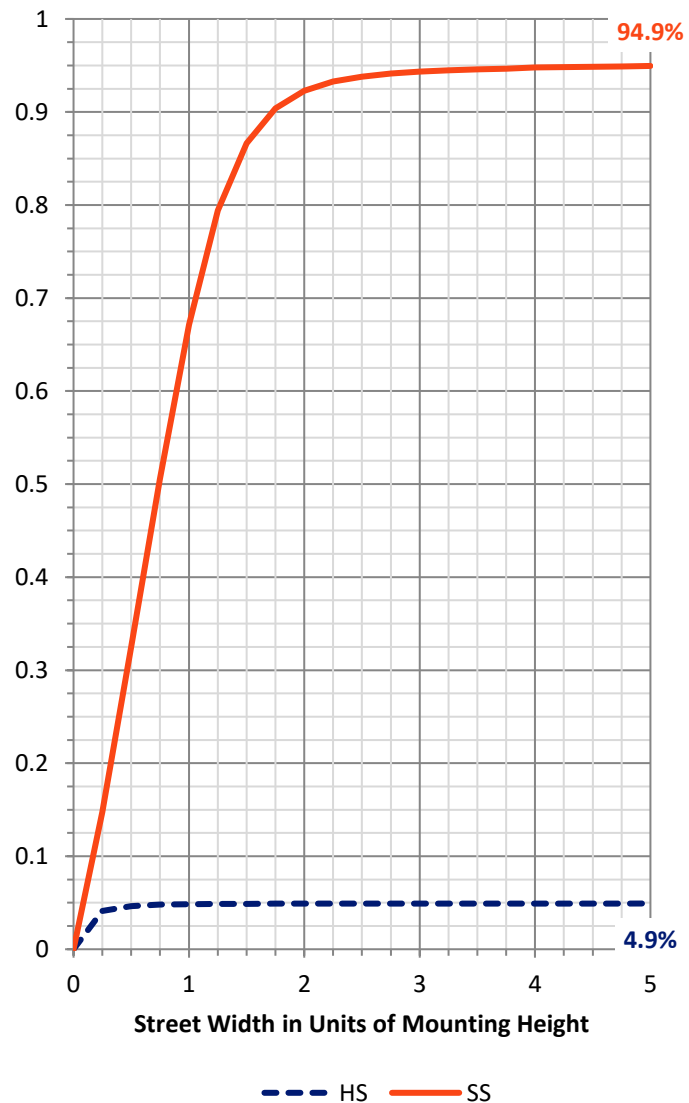
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	196.8	0.0	196.8
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	3777.2	0.0	3777.2
	% Fixture	95.0	0.0	95.0
Total	Lumens	3974.0	0.0	3974.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	54.1	1.4
20°-30°	215.8	5.4
30°-40°	548.9	13.8
40°-50°	898.7	22.6
50°-60°	1013.4	25.5
60°-70°	873.9	22.0
70°-80°	351.5	8.8
80°-90°	13.8	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°	3974.0	100.0
0°-180°	3974.0	100.0

Coefficient of Utilization



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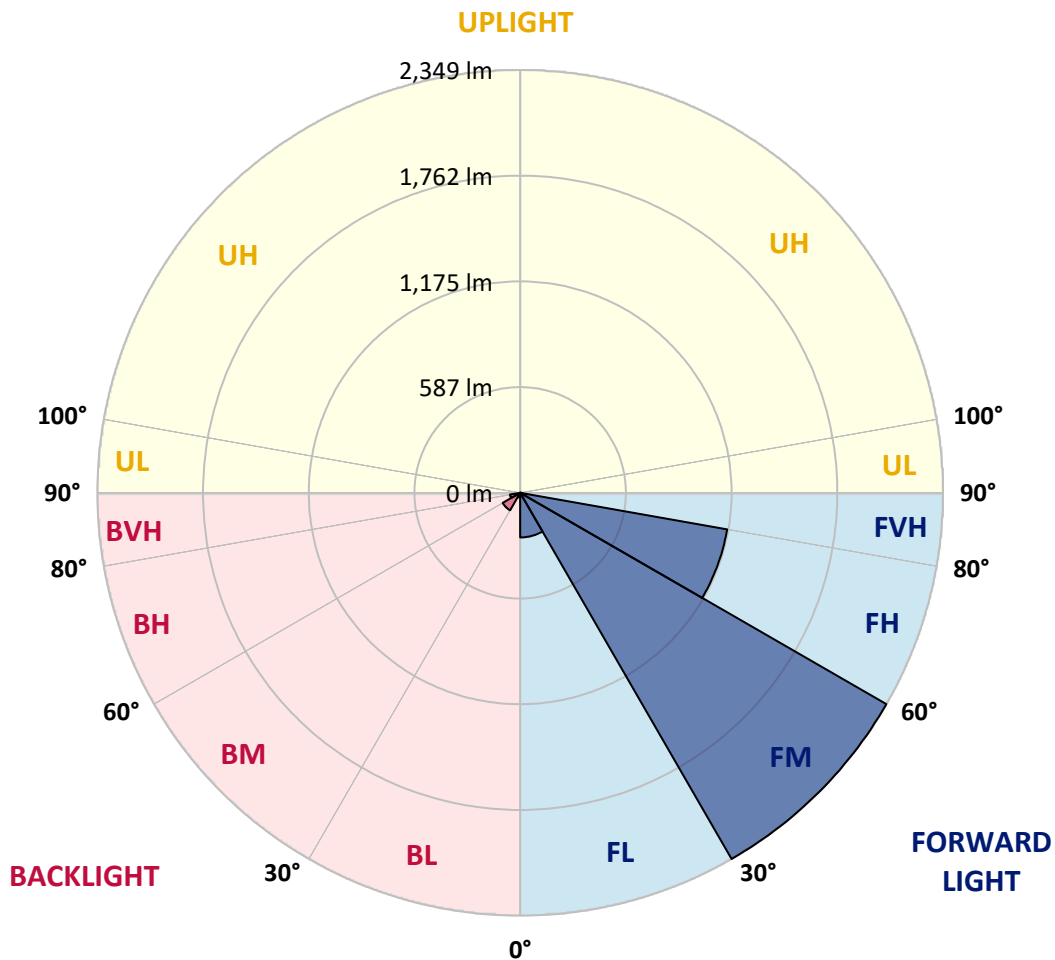
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	247.9	6.2			
FM	(30°-60°)	2349.0	59.1			
FH	(60°-80°)	1167.9	29.4			G1/1800
FVH	(80°-90°)	12.4	0.3			G1/100
BL	(0°-30°)	25.8	0.6	B0/110		
BM	(30°-60°)	112.0	2.8	B0/220		
BH	(60°-80°)	57.5	1.4	B0/110		G0/110
BVH	(80°-90°)	1.4	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-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	0.5	0.5	1.1	1.1	2.2	2.2	1.6	1.6	1.6	1.6	1.6
5°	166.4	130.3	92.5	26.8	10.4	4.9	2.2	1.6	1.6	1.6	1.1
7.5°	185.6	183.9	181.8	180.7	177.4	171.9	12.0	2.2	1.6	1.6	1.6
10°	198.7	195.4	194.9	194.3	192.2	187.8	179.6	10.4	1.6	1.6	1.6
12.5°	399.1	397.5	390.9	228.8	205.8	201.5	194.3	139.6	10.9	92.0	99.6
15°	394.2	393.1	397.5	406.2	414.4	221.2	315.9	398.5	244.7	234.3	244.2
17.5°	407.9	407.3	400.2	407.3	419.9	490.0	451.1	434.7	271.5	283.6	260.6
20°	611.0	609.9	615.9	579.2	435.8	610.4	566.6	470.8	533.2	490.0	492.2
22.5°	641.6	643.8	642.2	654.8	756.6	630.7	705.1	732.0	740.7	648.7	560.0
25°	941.6	927.9	899.5	695.3	815.7	782.3	895.6	791.1	796.6	717.7	717.7
27.5°	1055.0	1055.0	1031.4	1004.6	865.5	1004.6	942.7	1039.1	1133.2	1058.8	898.9
30°	1431.6	1420.7	1183.1	1149.1	1077.4	1063.2	1138.2	1219.7	1178.1	1143.1	1011.2
32.5°	1702.0	1703.1	1642.9	1459.0	1281.1	1185.8	1318.3	1345.7	1570.7	1611.7	1370.8
35°	2171.8	2144.4	1849.9	1682.9	1507.7	1444.2	1437.6	1576.1	1705.3	1691.1	1485.8
37.5°	2470.1	2451.0	2308.6	1933.6	1709.2	1566.8	1652.2	1658.8	1867.9	1796.2	1623.2
40°	2607.0	2598.2	2477.8	2159.2	1886.0	1734.3	1761.7	1783.1	2031.1	1932.5	1738.7
42.5°	2717.6	2709.4	2599.9	2272.5	2055.7	1894.8	1884.9	1888.7	2163.0	2076.5	1855.3
45°	2770.7	2765.8	2718.7	2372.7	2129.6	1998.8	2019.0	1994.4	2278.0	2272.5	1984.5
47.5°	2719.2	2722.0	2735.1	2461.4	2183.8	2080.9	2149.3	2109.9	2414.8	2472.3	2130.2
50°	2538.0	2536.9	2611.9	2474.5	2215.0	2146.6	2264.3	2218.8	2577.4	2677.1	2261.5
52.5°	1980.2	2053.0	2324.5	2333.3	2207.9	2179.4	2350.8	2344.2	2730.7	2843.5	2392.9
55°	1490.2	1519.7	1777.6	2024.0	2115.9	2175.6	2381.4	2428.5	2844.0	2965.0	2495.9
57.5°	1171.0	1161.2	1302.4	1631.4	1883.8	2111.0	2374.3	2461.4	2954.6	3107.4	2631.6
60°	856.8	865.5	977.8	1183.1	1549.3	1964.3	2352.4	2514.5	3129.8	3337.3	2833.6
62.5°	621.4	621.4	698.6	823.9	1186.9	1728.9	2304.8	2588.9	3404.1	3649.4	3074.0
65°	418.3	415.5	473.0	537.1	813.0	1430.5	2176.7	2658.5	3666.9	3923.6	3280.4
67°	307.7	313.7	337.2	379.4	562.2	1145.8	1993.8	2644.8	3787.9	4059.4	3320.9
67.5°	288.0	290.7	323.0	360.2	518.4	1070.3	1941.8	2628.3	3801.0	4056.1	3300.1
70°	209.1	213.5	231.0	242.0	313.7	706.2	1549.9	2369.9	3609.4	3818.5	3000.6
72.5°	112.2	121.5	168.1	167.0	194.9	430.8	1053.9	1759.0	2966.7	3108.5	2303.2
75°	87.6	88.7	100.2	123.7	125.9	239.8	506.9	1022.1	1876.7	1887.1	1278.9
77.5°	64.1	66.8	73.9	78.3	82.1	136.3	177.4	406.2	831.0	725.9	479.0
80°	43.2	44.9	48.7	58.0	67.3	77.2	57.5	108.4	195.4	151.6	71.7
82.5°	18.6	18.1	33.9	48.7	48.2	31.8	29.0	33.9	38.9	35.6	21.9
85°	1.1	1.6	17.5	23.5	20.3	13.7	18.1	14.2	14.8	14.2	10.9
87.5°	0.5	0.5	1.6	2.2	2.7	2.7	3.3	3.3	4.4	4.9	4.4
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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.6	1.6	1.6	1.6	1.6	0.5	0.5	0.0	0.0	0.0	0.0
5°	1.6	1.6	1.6	1.6	1.6	0.5	0.0	0.0	0.0	0.0	0.0
7.5°	1.6	1.6	1.6	1.6	1.6	0.5	0.0	6.0	16.4	17.5	17.0
10°	1.6	1.6	1.6	1.6	1.1	14.2	19.7	18.6	18.1	17.5	17.5
12.5°	99.6	84.3	15.3	3.3	14.2	18.1	15.9	15.9	15.3	15.3	15.3
15°	217.9	182.9	86.0	29.0	22.4	15.3	14.2	14.2	23.5	25.7	25.2
17.5°	228.3	184.5	84.3	39.4	32.3	19.7	19.7	25.2	24.6	23.5	23.5
20°	434.1	284.7	97.4	38.9	29.6	31.2	23.5	21.9	20.8	19.7	19.7
22.5°	464.2	334.5	104.6	49.3	31.8	31.2	24.1	20.3	25.7	25.2	25.2
25°	599.5	404.0	94.7	46.0	41.1	28.5	25.7	22.4	21.9	20.8	20.8
27.5°	742.9	477.9	104.6	47.6	37.2	27.9	24.1	19.7	20.8	23.0	23.0
30°	814.6	478.5	82.7	48.7	35.6	28.5	21.4	21.9	20.8	20.3	19.7
32.5°	1093.3	614.2	79.4	46.5	33.4	24.6	21.9	19.2	17.5	19.2	19.2
35°	1142.5	592.9	69.0	47.1	30.1	22.4	18.6	17.5	17.5	17.0	17.0
37.5°	1196.7	569.9	60.8	41.6	29.0	20.3	15.9	15.9	15.3	16.4	16.4
40°	1256.4	545.8	54.2	36.1	24.6	17.0	14.2	13.7	14.2	14.2	13.7
42.5°	1325.9	522.3	48.7	31.8	20.8	14.2	11.5	11.5	11.5	10.9	10.9
45°	1400.4	503.7	44.9	27.4	17.5	12.0	9.3	8.8	8.2	8.2	8.2
47.5°	1488.5	496.0	41.6	23.0	14.8	9.3	7.1	6.6	6.0	5.5	5.5
50°	1562.4	492.7	36.7	19.2	12.6	7.7	4.9	4.4	3.8	3.3	3.3
52.5°	1627.6	478.5	31.8	15.3	9.9	5.5	3.3	2.2	1.6	1.6	1.6
55°	1692.2	465.3	27.4	13.1	7.1	3.3	1.6	0.5	0.5	1.1	1.1
57.5°	1772.1	450.6	23.5	10.9	5.5	2.2	1.1	0.0	0.5	0.5	1.1
60°	1897.5	435.2	20.8	9.3	3.8	1.6	0.5	0.0	0.0	0.5	0.5
62.5°	2009.7	408.4	18.1	8.2	3.3	1.6	0.5	0.0	0.0	0.0	0.5
65°	2058.4	353.1	15.9	7.1	3.3	1.6	0.5	0.0	0.0	0.0	0.0
67°	1976.9	285.8	14.2	6.6	2.7	1.1	0.5	0.0	0.0	0.0	0.0
67.5°	1938.5	266.6	14.2	6.0	2.7	1.1	0.5	0.5	0.0	0.0	0.0
70°	1645.7	176.8	12.6	5.5	2.7	1.1	1.1	0.5	0.0	0.0	0.0
72.5°	1263.0	102.9	10.9	4.9	2.7	1.1	1.1	0.5	0.5	0.0	0.0
75°	706.2	52.0	8.8	4.9	2.7	1.6	1.6	1.1	1.1	1.1	0.0
77.5°	226.1	28.5	6.6	4.4	2.7	1.6	1.6	1.1	1.6	1.6	0.5
80°	35.6	14.8	4.9	3.3	2.7	1.1	1.6	1.6	2.2	2.2	0.5
82.5°	13.1	8.2	3.8	3.3	2.7	1.1	1.6	1.6	2.2	2.7	0.0
85°	6.0	4.9	3.8	3.3	2.7	1.1	1.6	1.6	2.2	2.7	0.0
87.5°	2.7	3.8	3.3	3.3	2.7	1.1	1.6	1.6	2.2	2.2	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)