

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: P414416

Luminaire Tested: **LXF.LXT-PA1-20-827-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414416
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-PA1-20-827-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 260mA 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: 1608 lumens
Efficiency: N/A
Efficacy: 76.6 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 - G0

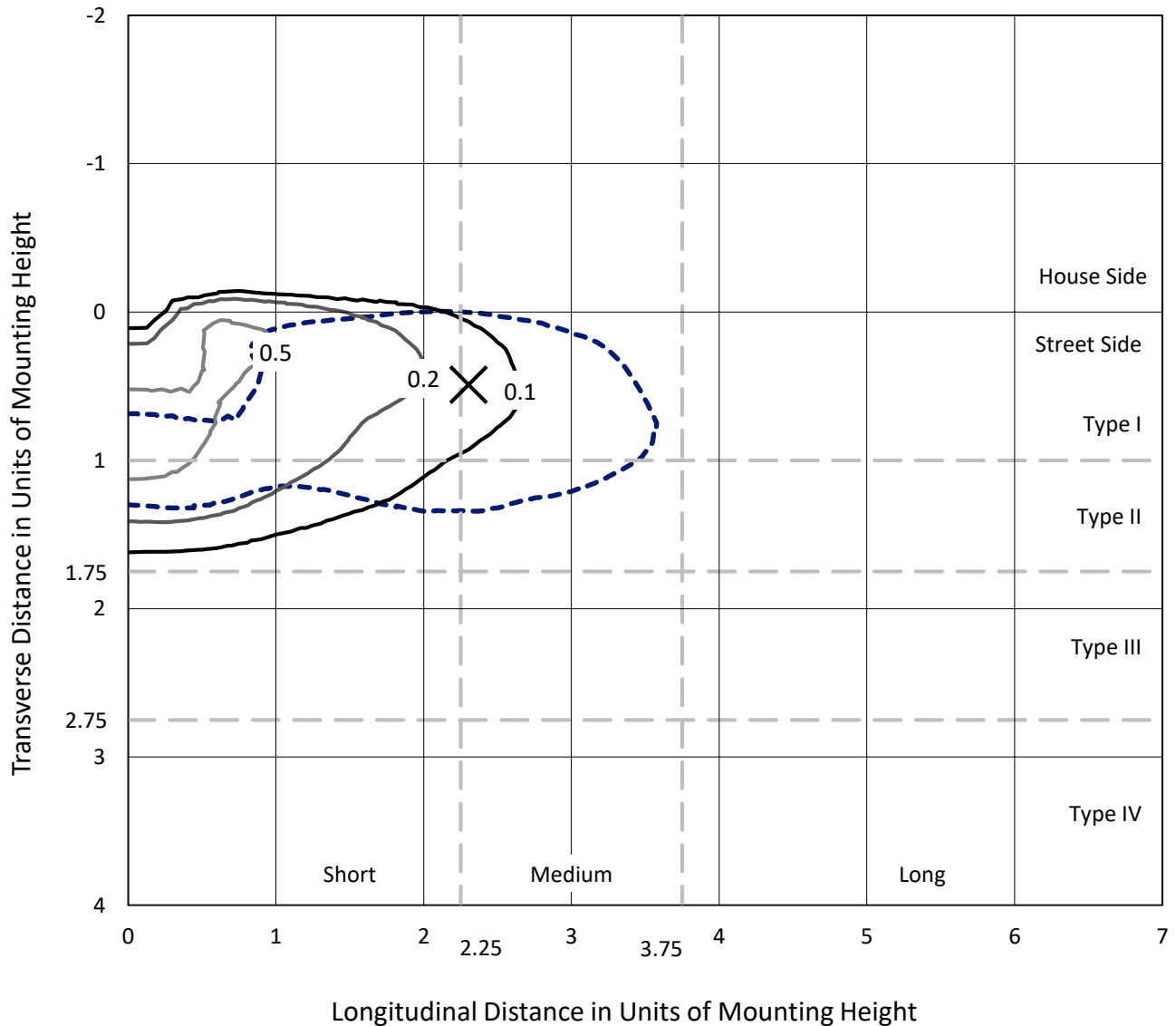
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

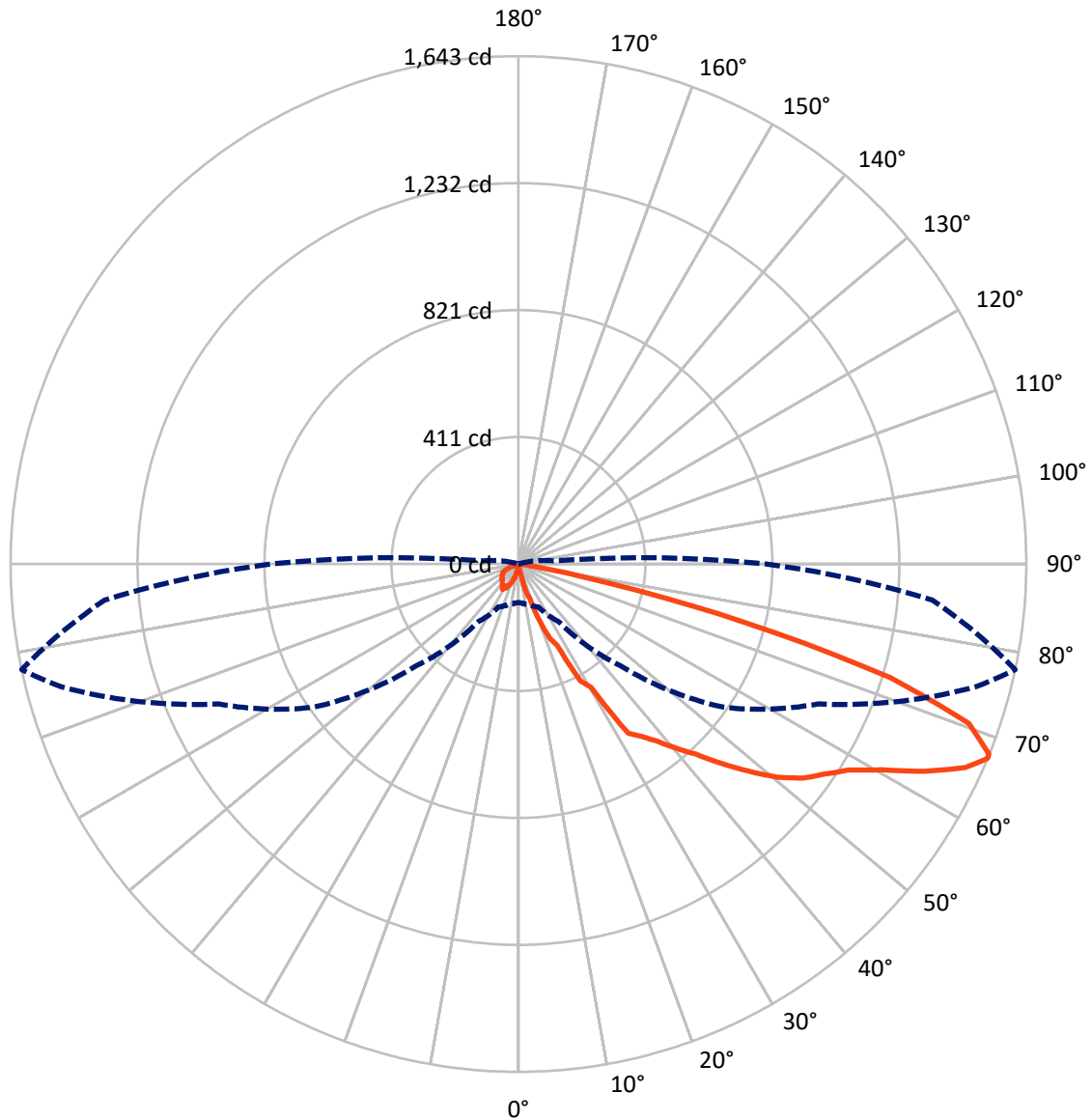
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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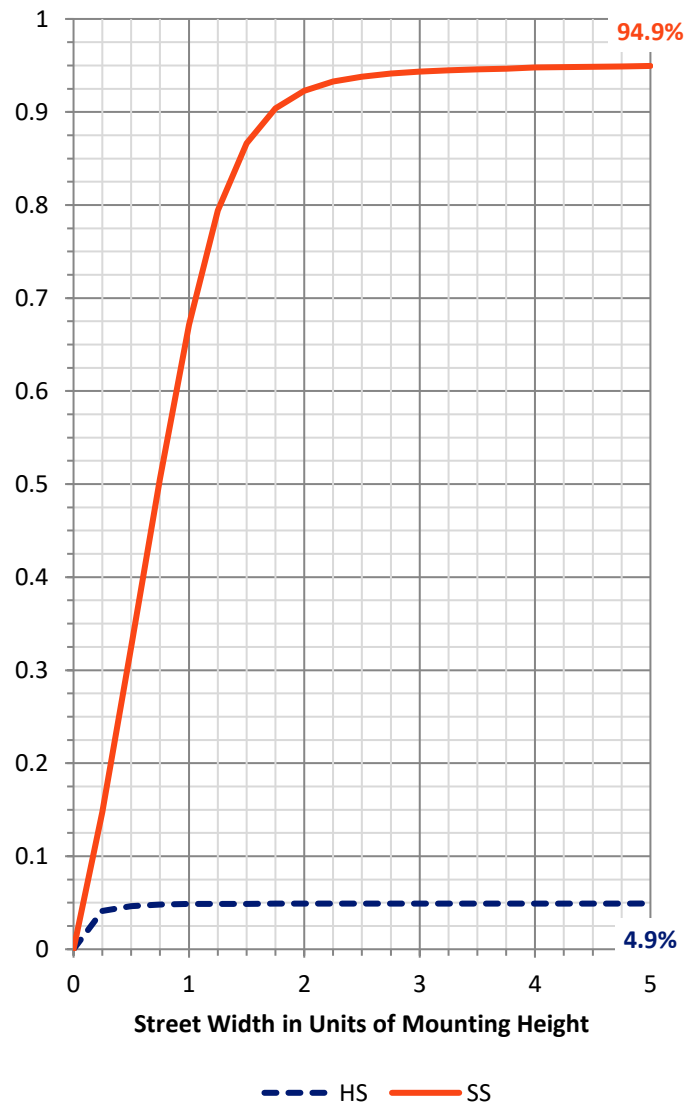
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	79.6	0.0	79.6
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	1528.4	0.0	1528.4
	% Fixture	95.0	0.0	95.0
Total	Lumens	1608.0	0.0	1608.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.1
10°-20°	21.9	1.4
20°-30°	87.3	5.4
30°-40°	222.1	13.8
40°-50°	363.7	22.6
50°-60°	410.1	25.5
60°-70°	353.6	22.0
70°-80°	142.2	8.8
80°-90°	5.6	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°	1608.0	100.0
0°-180°	1608.0	100.0



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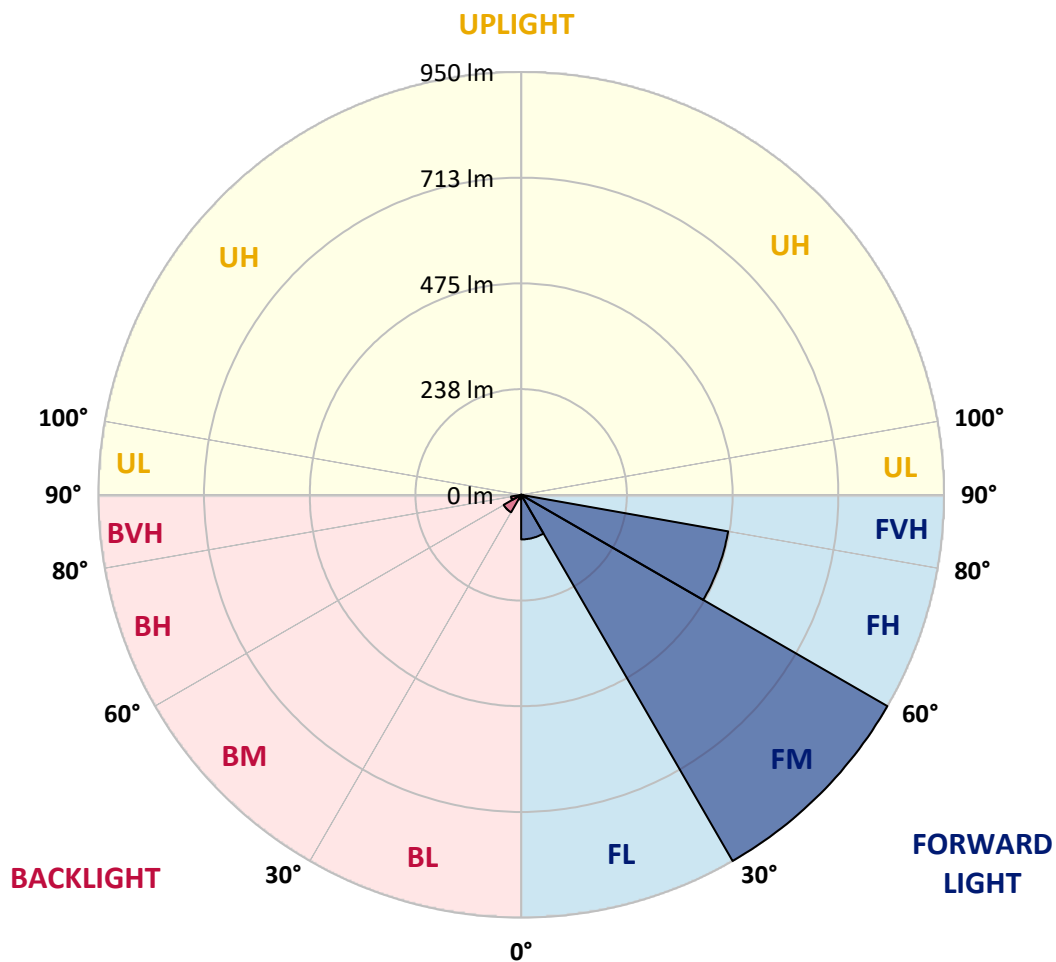
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	100.3	6.2			
FM (30°-60°)	950.5	59.1			
FH (60°-80°)	472.6	29.4			G0/660
FVH (80°-90°)	5.0	0.3			G0/10
BL (0°-30°)	10.4	0.6	B0/110		
BM (30°-60°)	45.3	2.8	B0/220		
BH (60°-80°)	23.3	1.4	B0/110		G0/110
BVH (80°-90°)	0.6	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-G0

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	0.2	0.2	0.4	0.4	0.9	0.9	0.7	0.7	0.7	0.7	0.7
5°	67.3	52.7	37.4	10.9	4.2	2.0	0.9	0.7	0.7	0.7	0.4
7.5°	75.1	74.4	73.5	73.1	71.8	69.6	4.9	0.9	0.7	0.7	0.7
10°	80.4	79.1	78.9	78.6	77.8	76.0	72.7	4.2	0.7	0.7	0.7
12.5°	161.5	160.8	158.2	92.6	83.3	81.5	78.6	56.5	4.4	37.2	40.3
15°	159.5	159.0	160.8	164.4	167.7	89.5	127.8	161.3	99.0	94.8	98.8
17.5°	165.0	164.8	161.9	164.8	169.9	198.3	182.5	175.9	109.9	114.7	105.4
20°	247.2	246.8	249.2	234.4	176.3	247.0	229.3	190.5	215.8	198.3	199.1
22.5°	259.6	260.5	259.8	264.9	306.1	255.2	285.3	296.2	299.7	262.5	226.6
25°	381.0	375.5	364.0	281.3	330.1	316.5	362.4	320.1	322.3	290.4	290.4
27.5°	426.9	426.9	417.3	406.5	350.2	406.5	381.5	420.4	458.5	428.4	363.7
30°	579.3	574.8	478.7	465.0	435.9	430.2	460.5	493.5	476.7	462.5	409.1
32.5°	688.7	689.1	664.8	590.3	518.4	479.8	533.4	544.5	635.5	652.1	554.7
35°	878.8	867.7	748.5	680.9	610.1	584.4	581.7	637.8	690.0	684.3	601.2
37.5°	999.5	991.7	934.1	782.4	691.6	634.0	668.5	671.2	755.8	726.8	656.8
40°	1054.9	1051.3	1002.6	873.7	763.1	701.8	712.8	721.5	821.8	782.0	703.5
42.5°	1099.6	1096.3	1052.0	919.5	831.8	766.7	762.7	764.2	875.2	840.2	750.7
45°	1121.1	1119.1	1100.1	960.1	861.7	808.8	817.0	807.0	921.7	919.5	803.0
47.5°	1100.3	1101.4	1106.7	995.9	883.6	842.0	869.7	853.7	977.1	1000.4	861.9
50°	1027.0	1026.5	1056.9	1001.3	896.3	868.6	916.2	897.8	1042.9	1083.2	915.1
52.5°	801.2	830.7	940.6	944.1	893.4	881.9	951.2	948.5	1104.9	1150.6	968.3
55°	603.0	614.9	719.3	819.0	856.2	880.3	963.6	982.7	1150.8	1199.7	1009.9
57.5°	473.8	469.8	527.0	660.1	762.2	854.2	960.7	995.9	1195.5	1257.3	1064.8
60°	346.7	350.2	395.6	478.7	626.9	794.8	951.9	1017.4	1266.4	1350.4	1146.6
62.5°	251.4	251.4	282.7	333.4	480.3	699.6	932.6	1047.6	1377.4	1476.6	1243.8
65°	169.2	168.1	191.4	217.3	329.0	578.8	880.8	1075.7	1483.7	1587.6	1327.3
67°	124.5	126.9	136.5	153.5	227.5	463.6	806.8	1070.2	1532.7	1642.6	1343.7
67.5°	116.5	117.6	130.7	145.8	209.8	433.1	785.7	1063.5	1538.0	1641.2	1335.3
70°	84.6	86.4	93.5	97.9	126.9	285.8	627.1	959.0	1460.5	1545.1	1214.1
72.5°	45.4	49.2	68.0	67.6	78.9	174.3	426.4	711.7	1200.4	1257.8	931.9
75°	35.4	35.9	40.5	50.1	50.9	97.0	205.1	413.6	759.4	763.6	517.5
77.5°	25.9	27.0	29.9	31.7	33.2	55.2	71.8	164.4	336.3	293.7	193.8
80°	17.5	18.2	19.7	23.5	27.2	31.2	23.3	43.9	79.1	61.4	29.0
82.5°	7.5	7.3	13.7	19.7	19.5	12.8	11.7	13.7	15.7	14.4	8.9
85°	0.4	0.7	7.1	9.5	8.2	5.5	7.3	5.8	6.0	5.8	4.4
87.5°	0.2	0.2	0.7	0.9	1.1	1.1	1.3	1.3	1.8	2.0	1.8
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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	0.7	0.7	0.7	0.7	0.7	0.2	0.2	0.0	0.0	0.0	0.0
5°	0.7	0.7	0.7	0.7	0.7	0.2	0.0	0.0	0.0	0.0	0.0
7.5°	0.7	0.7	0.7	0.7	0.7	0.2	0.0	2.4	6.6	7.1	6.9
10°	0.7	0.7	0.7	0.7	0.4	5.8	8.0	7.5	7.3	7.1	7.1
12.5°	40.3	34.1	6.2	1.3	5.8	7.3	6.4	6.4	6.2	6.2	6.2
15°	88.2	74.0	34.8	11.7	9.1	6.2	5.8	5.8	9.5	10.4	10.2
17.5°	92.4	74.7	34.1	15.9	13.1	8.0	8.0	10.2	10.0	9.5	9.5
20°	175.7	115.2	39.4	15.7	12.0	12.6	9.5	8.9	8.4	8.0	8.0
22.5°	187.8	135.3	42.3	19.9	12.8	12.6	9.7	8.2	10.4	10.2	10.2
25°	242.6	163.5	38.3	18.6	16.6	11.5	10.4	9.1	8.9	8.4	8.4
27.5°	300.6	193.4	42.3	19.3	15.1	11.3	9.7	8.0	8.4	9.3	9.3
30°	329.6	193.6	33.4	19.7	14.4	11.5	8.6	8.9	8.4	8.2	8.0
32.5°	442.4	248.5	32.1	18.8	13.5	10.0	8.9	7.8	7.1	7.8	7.8
35°	462.3	239.9	27.9	19.1	12.2	9.1	7.5	7.1	7.1	6.9	6.9
37.5°	484.2	230.6	24.6	16.8	11.7	8.2	6.4	6.4	6.2	6.6	6.6
40°	508.4	220.9	21.9	14.6	10.0	6.9	5.8	5.5	5.8	5.8	5.5
42.5°	536.5	211.3	19.7	12.8	8.4	5.8	4.7	4.7	4.7	4.4	4.4
45°	566.6	203.8	18.2	11.1	7.1	4.9	3.8	3.5	3.3	3.3	3.3
47.5°	602.3	200.7	16.8	9.3	6.0	3.8	2.9	2.7	2.4	2.2	2.2
50°	632.2	199.4	14.8	7.8	5.1	3.1	2.0	1.8	1.6	1.3	1.3
52.5°	658.6	193.6	12.8	6.2	4.0	2.2	1.3	0.9	0.7	0.7	0.7
55°	684.7	188.3	11.1	5.3	2.9	1.3	0.7	0.2	0.2	0.4	0.4
57.5°	717.1	182.3	9.5	4.4	2.2	0.9	0.4	0.0	0.2	0.2	0.4
60°	767.8	176.1	8.4	3.8	1.6	0.7	0.2	0.0	0.0	0.2	0.2
62.5°	813.2	165.3	7.3	3.3	1.3	0.7	0.2	0.0	0.0	0.0	0.2
65°	832.9	142.9	6.4	2.9	1.3	0.7	0.2	0.0	0.0	0.0	0.0
67°	799.9	115.6	5.8	2.7	1.1	0.4	0.2	0.0	0.0	0.0	0.0
67.5°	784.4	107.9	5.8	2.4	1.1	0.4	0.2	0.2	0.0	0.0	0.0
70°	665.9	71.6	5.1	2.2	1.1	0.4	0.4	0.2	0.0	0.0	0.0
72.5°	511.0	41.6	4.4	2.0	1.1	0.4	0.4	0.2	0.2	0.0	0.0
75°	285.8	21.0	3.5	2.0	1.1	0.7	0.7	0.4	0.4	0.4	0.0
77.5°	91.5	11.5	2.7	1.8	1.1	0.7	0.7	0.4	0.7	0.7	0.2
80°	14.4	6.0	2.0	1.3	1.1	0.4	0.7	0.7	0.9	0.9	0.2
82.5°	5.3	3.3	1.6	1.3	1.1	0.4	0.7	0.7	0.9	1.1	0.0
85°	2.4	2.0	1.6	1.3	1.1	0.4	0.7	0.7	0.9	1.1	0.0
87.5°	1.1	1.6	1.3	1.3	1.1	0.4	0.7	0.7	0.9	0.9	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)