

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: P694695

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694695
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-827-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2192 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

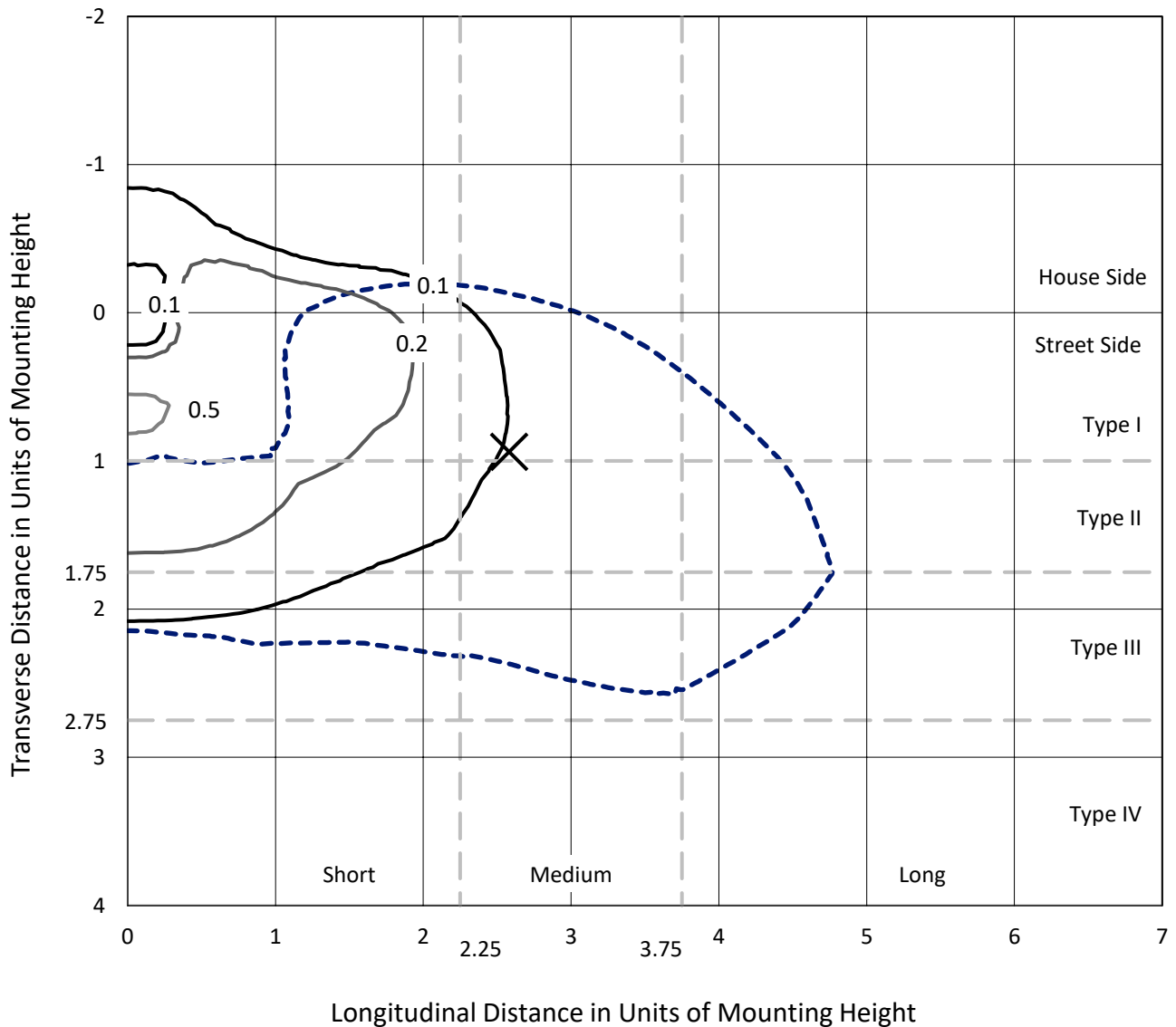
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

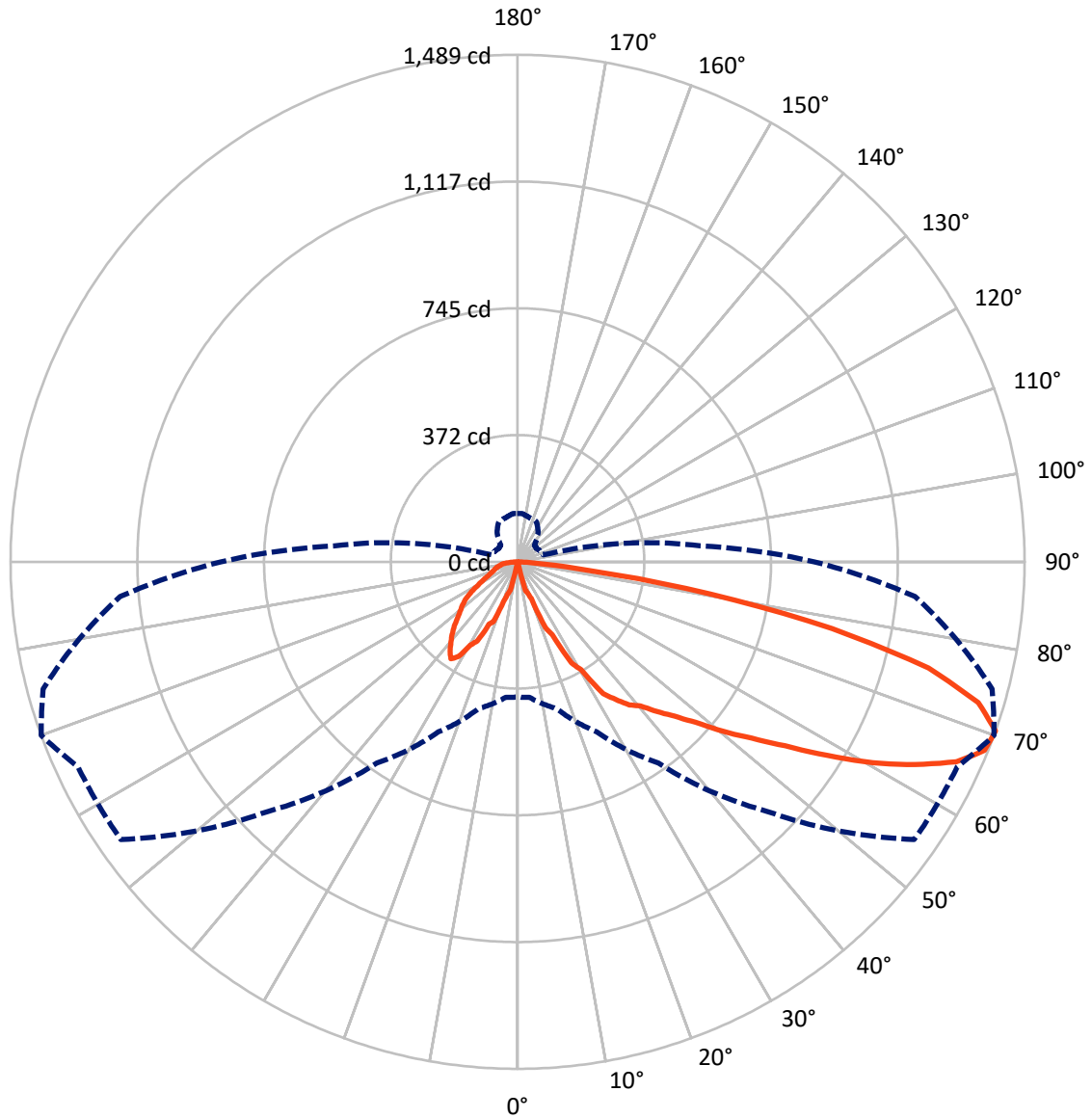
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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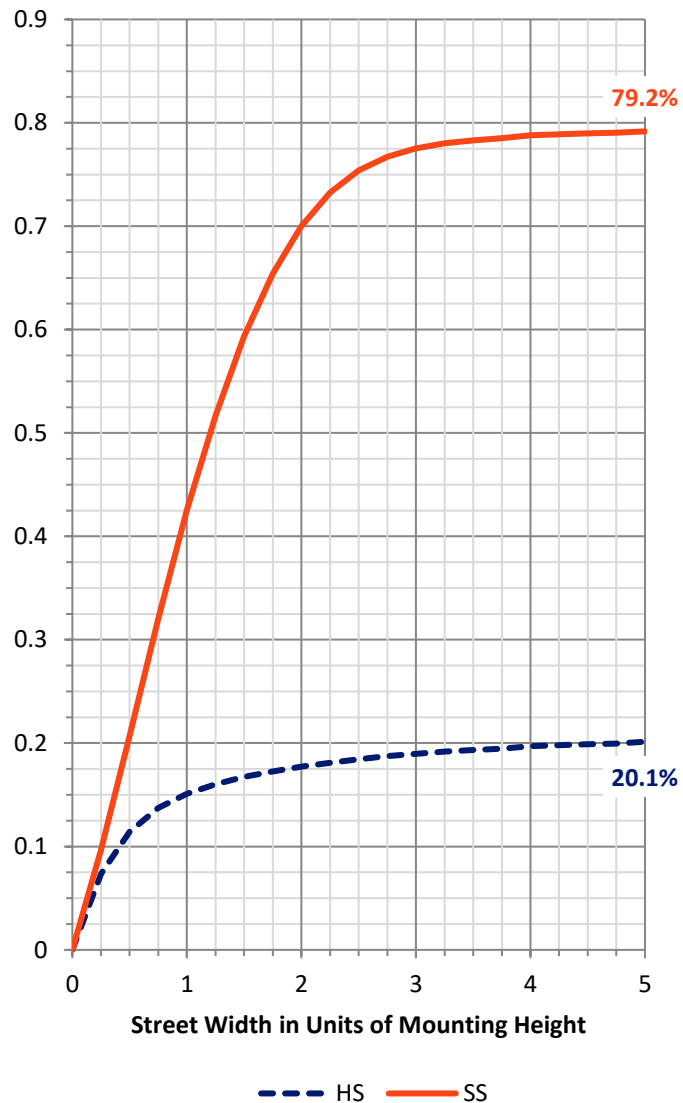
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	451.7	0.0	451.7
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	1740.3	0.0	1740.3
	% Fixture	79.4	0.0	79.4
Total	Lumens	2192.0	0.0	2192.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	18.6	0.8
20°-30°	104.9	4.8
30°-40°	233.2	10.6
40°-50°	333.5	15.2
50°-60°	484.7	22.1
60°-70°	608.3	27.8
70°-80°	361.3	16.5
80°-90°	47.5	2.2
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°	2192.0	100.0
0°-180°	2192.0	100.0

Coefficient of Utilization

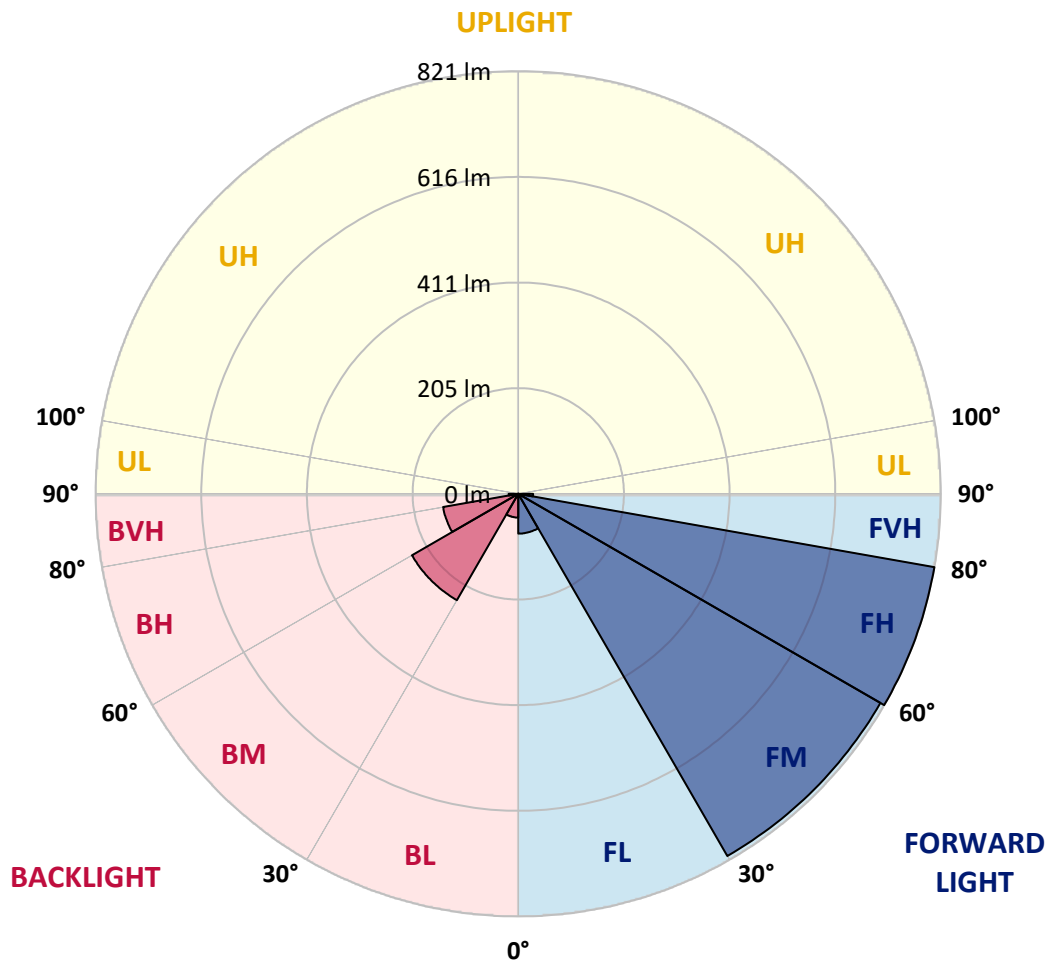


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	77.3	3.5			
FM (30°-60°)	812.8	37.1			
FH (60°-80°)	821.3	37.5			G1/1800
FVH (80°-90°)	28.8	1.3			G1/100
BL (0°-30°)	46.2	2.1	B0/110		
BM (30°-60°)	238.6	10.9	B1/1000		
BH (60°-80°)	148.3	6.8	B1/500		G1/500
BVH (80°-90°)	18.7	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
7.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
10°	9.8	10.6	6.8	3.8	1.5	0.8	0.8	0.8	0.8	0.8	0.8
12.5°	87.4	87.4	86.7	55.8	17.3	3.8	1.5	4.5	8.3	9.0	13.6
15°	97.2	97.2	97.2	95.7	91.2	31.7	14.3	79.9	87.4	89.7	89.7
17.5°	128.1	130.4	118.3	106.3	101.0	88.2	85.2	95.7	97.2	98.7	99.5
20°	217.8	217.8	217.8	194.5	119.8	154.5	141.7	109.3	114.6	137.2	189.2
22.5°	242.7	242.0	236.7	229.1	245.7	171.9	161.3	190.7	210.3	217.1	214.1
25°	371.6	370.8	351.2	259.3	270.6	232.2	242.7	242.0	237.4	239.7	236.7
27.5°	403.3	401.7	400.2	364.8	299.2	313.6	281.9	315.1	336.2	352.0	342.2
30°	566.8	534.4	469.6	413.8	382.1	336.2	362.5	382.1	367.8	374.6	358.8
32.5°	599.2	602.2	599.2	521.6	425.1	382.9	407.0	405.5	462.0	481.6	476.4
35°	631.6	629.4	624.9	555.5	494.5	441.7	428.9	496.7	496.7	508.0	492.2
37.5°	657.3	656.5	650.5	574.4	529.1	462.8	485.4	532.9	533.6	545.0	510.3
40°	679.1	679.9	677.6	594.7	557.0	485.4	511.8	568.3	556.3	572.8	540.4
42.5°	698.0	700.2	704.0	624.9	581.1	508.0	536.7	593.9	601.5	621.1	584.1
45°	732.6	737.2	742.4	672.3	613.5	538.2	570.6	645.2	646.7	676.1	644.4
47.5°	776.4	779.4	790.7	723.6	661.8	581.9	605.3	682.9	704.7	741.7	716.8
50°	814.0	820.1	835.1	786.2	728.1	646.0	654.2	738.7	782.4	815.5	792.9
52.5°	842.7	848.0	870.6	838.9	798.2	714.5	716.1	816.3	860.8	906.7	893.2
55°	866.0	872.1	893.2	888.7	862.3	771.1	801.2	890.9	953.5	1007.8	992.7
57.5°	869.8	869.1	909.0	922.6	906.7	845.7	909.0	972.3	1072.6	1115.5	1116.3
60°	852.5	856.2	903.7	945.2	946.7	922.6	1026.6	1080.9	1198.4	1227.1	1236.1
62.5°	815.5	823.8	876.6	945.2	979.1	999.5	1141.2	1203.0	1311.5	1326.6	1316.8
65°	745.4	748.5	800.5	901.5	982.1	1069.6	1259.5	1309.2	1416.3	1401.2	1334.9
67.5°	602.2	611.3	659.5	776.4	910.5	1100.5	1367.3	1389.1	1478.8	1447.2	1290.4
70°	397.2	399.5	447.0	551.0	721.3	1036.4	1422.3	1424.6	1489.4	1442.7	1172.1
72.5°	172.6	159.0	204.3	287.9	442.4	808.0	1355.2	1387.6	1414.8	1357.5	970.8
75°	74.6	76.1	88.2	119.1	205.0	456.8	1127.6	1209.8	1246.7	1156.2	707.8
77.5°	55.8	55.8	64.1	72.4	95.7	172.6	734.9	900.7	944.4	837.4	440.2
80°	40.7	42.2	48.2	52.8	61.8	70.1	366.3	545.7	573.6	436.4	193.7
82.5°	30.9	30.9	34.7	37.7	42.2	42.2	124.4	234.4	212.6	148.5	67.1
85°	13.6	11.3	18.1	17.3	18.8	15.1	33.2	43.0	43.0	33.9	15.1
87.5°	0.0	0.8	0.8	0.8	1.5	1.5	3.0	2.3	3.0	3.0	2.3
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
7.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8
10°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8
12.5°	12.1	14.3	9.0	4.5	0.8	0.0	0.0	0.8	0.8	1.5	1.5
15°	91.2	90.4	90.4	82.9	14.3	2.3	1.5	7.5	25.6	54.3	53.5
17.5°	99.5	99.5	99.5	95.7	86.7	24.1	24.1	79.9	86.7	87.4	88.2
20°	188.4	186.2	144.0	103.3	91.2	86.7	79.1	87.4	88.9	89.7	91.2
22.5°	211.8	209.5	199.7	179.4	102.5	125.9	113.8	93.5	139.4	146.2	147.7
25°	235.2	229.1	214.1	187.7	171.9	127.4	133.4	133.4	139.4	138.7	139.4
27.5°	335.4	328.6	308.3	213.3	186.2	149.2	147.7	130.4	140.2	159.8	161.3
30°	351.2	343.0	315.1	245.7	196.0	162.8	137.9	155.3	162.8	160.5	161.3
32.5°	463.6	453.8	409.3	247.2	197.5	150.0	153.0	155.3	158.3	172.6	174.1
35°	477.9	468.8	408.5	283.4	182.4	149.2	147.7	158.3	175.6	177.9	178.6
37.5°	498.2	489.2	400.2	258.5	181.7	147.7	144.0	156.0	162.1	159.8	158.3
40°	527.6	514.1	384.4	231.4	165.1	140.2	140.2	143.2	147.7	139.4	137.2
42.5°	571.3	543.4	367.1	207.3	151.5	130.4	130.4	131.2	128.1	120.6	120.6
45°	618.8	568.3	344.5	185.4	137.9	119.8	120.6	115.3	118.3	112.3	112.3
47.5°	674.6	598.5	316.6	164.3	125.9	110.0	108.5	109.3	113.1	108.5	108.5
50°	738.7	634.6	295.5	145.5	115.3	100.2	104.0	106.3	110.8	107.0	106.3
52.5°	814.8	673.1	278.9	130.4	106.3	92.0	101.0	104.0	109.3	107.0	106.3
55°	903.7	721.3	252.5	118.3	98.0	87.4	98.7	104.0	110.0	108.5	107.8
57.5°	986.6	762.8	215.6	106.3	92.0	84.4	98.0	104.0	111.6	110.0	109.3
60°	1061.3	802.0	170.3	97.2	86.7	80.7	95.7	104.0	112.3	113.1	112.3
62.5°	1099.0	804.2	137.9	90.4	81.4	76.9	93.5	103.3	111.6	116.1	116.1
65°	1080.9	759.0	110.0	83.7	76.9	72.4	91.2	105.5	118.3	125.9	125.9
67.5°	1007.0	667.8	91.2	78.4	71.6	68.6	94.2	119.1	131.2	138.7	138.7
70°	872.1	539.7	78.4	73.9	67.8	70.1	104.8	130.4	134.2	142.5	141.7
72.5°	691.9	403.3	70.1	69.3	65.6	73.9	111.6	125.9	125.9	128.9	125.9
75°	486.9	256.3	63.3	64.8	60.3	67.8	105.5	117.6	112.3	110.8	110.0
77.5°	277.4	138.7	55.8	58.8	54.3	58.8	92.0	104.8	99.5	95.7	94.2
80°	119.1	70.9	48.2	52.8	47.5	49.7	76.9	90.4	86.7	82.2	80.7
82.5°	47.5	36.9	40.7	46.7	39.9	42.2	65.6	76.9	73.9	69.3	64.8
85°	13.6	14.3	24.9	33.2	30.1	33.2	52.8	61.1	56.5	44.5	43.0
87.5°	1.5	2.3	5.3	6.8	7.5	6.0	12.1	16.6	15.1	11.3	9.0
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)