

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: P695440

Luminaire Tested: **LXF.LXT-PA16-50-750-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-750-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6180 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

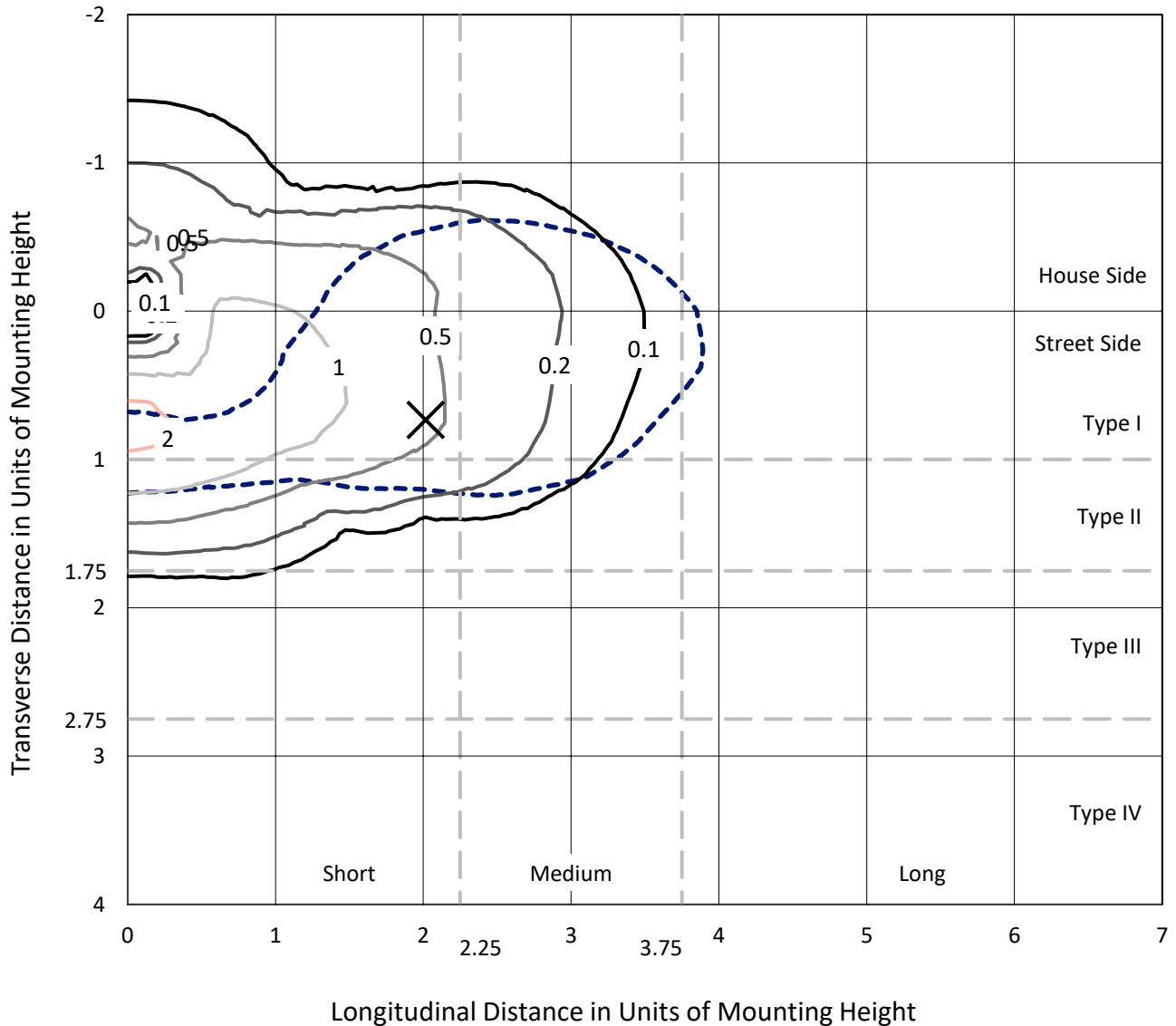
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

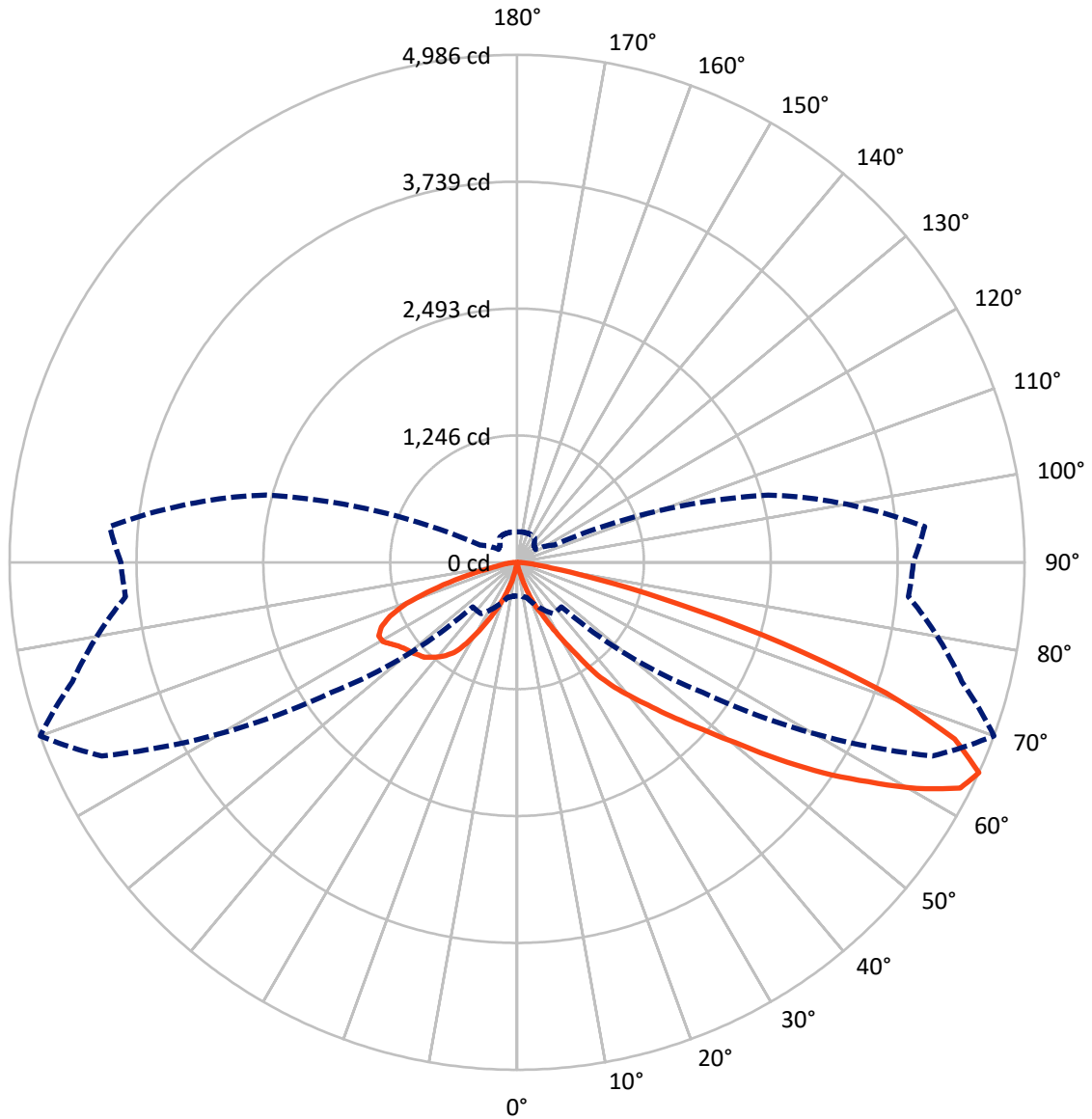
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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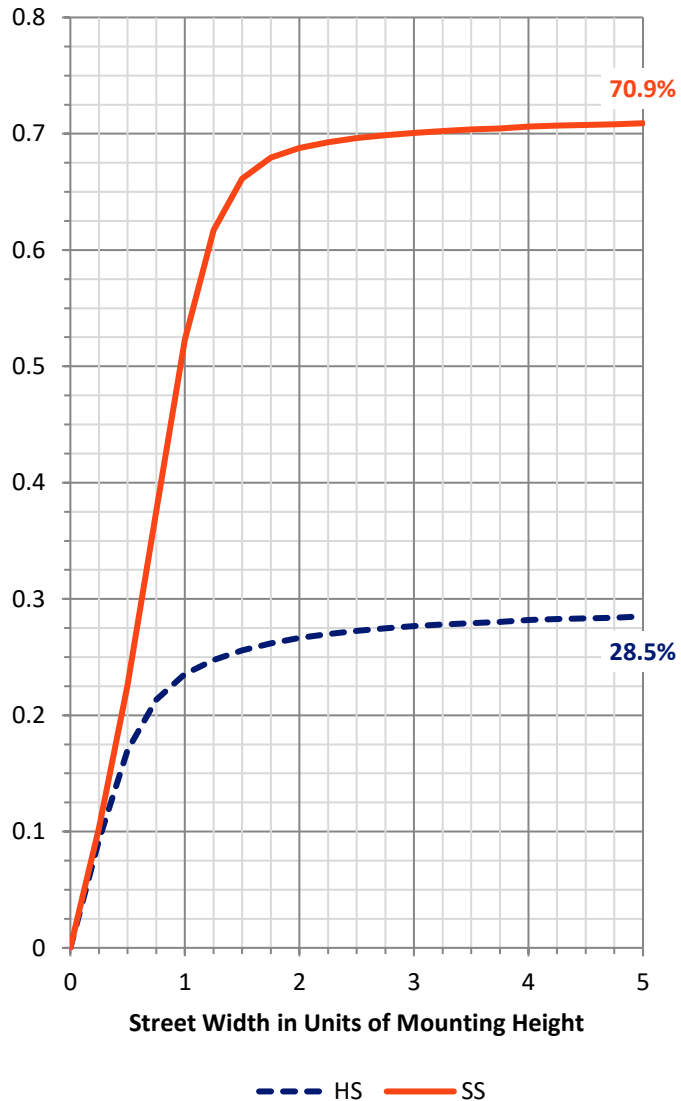
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1785.3	0.0	1785.3
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	4394.7	0.0	4394.7
	% Fixture	71.1	0.0	71.1
Total	Lumens	6180.0	0.0	6180.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	45.3	0.7
20°-30°	284.9	4.6
30°-40°	757.7	12.3
40°-50°	1297.0	21.0
50°-60°	1586.7	25.7
60°-70°	1424.7	23.1
70°-80°	701.8	11.4
80°-90°	81.7	1.3
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°	6180.0	100.0
0°-180°	6180.0	100.0

Coefficient of Utilization

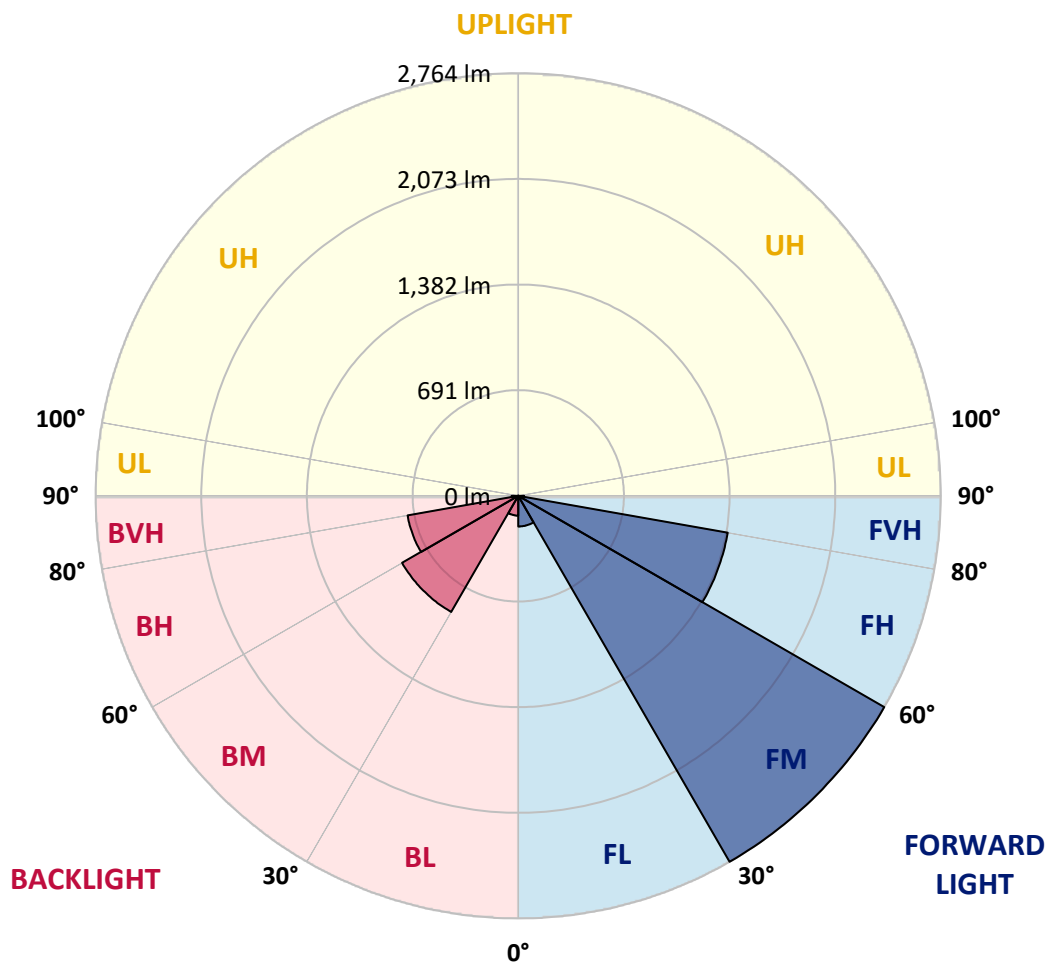


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.6	3.2			
FM (30°-60°)	2764.1	44.7			
FH (60°-80°)	1391.5	22.5			G1/1800
FVH (80°-90°)	38.5	0.6			G1/100
BL (0°-30°)	129.8	2.1	B1/500		
BM (30°-60°)	877.3	14.2	B1/1000		
BH (60°-80°)	735.0	11.9	B2/1000		G2/1000
BVH (80°-90°)	43.2	0.7			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°	65°	70°	75°	85°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0
5°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0
7.5°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0
10°	14.4	14.4	12.3	8.2	4.1	2.1	2.1	4.1	4.1	4.1	6.2
12.5°	185.2	187.2	181.1	125.5	24.7	8.2	8.2	24.7	63.8	86.4	96.7
15°	211.9	211.9	207.8	203.7	195.5	43.2	78.2	119.3	125.5	179.0	199.6
17.5°	290.1	275.7	244.9	230.5	222.2	236.6	174.9	222.2	228.4	232.5	246.9
20°	551.4	541.2	522.6	434.2	306.6	337.5	321.0	286.0	343.6	358.0	364.2
22.5°	658.4	648.2	629.6	588.5	539.1	391.0	434.2	397.1	479.4	500.0	495.9
25°	1115.2	1109.1	944.5	703.7	701.7	613.2	572.0	537.0	559.7	629.6	662.6
27.5°	1288.1	1286.0	1234.6	1113.2	816.9	753.1	685.2	730.5	714.0	800.4	827.2
30°	1841.6	1732.5	1539.1	1277.8	1148.2	917.7	928.0	954.7	886.8	940.3	1008.2
32.5°	2269.6	2251.1	2131.7	1703.7	1323.1	1131.7	1131.7	1142.0	1094.7	1135.8	1211.9
35°	2658.5	2621.4	2436.2	2026.8	1679.0	1374.5	1312.8	1370.4	1358.0	1358.0	1312.8
37.5°	2905.4	2897.1	2753.1	2333.4	1942.4	1576.1	1526.8	1557.6	1559.7	1565.9	1432.1
40°	3140.0	3119.4	3030.9	2611.1	2281.9	1831.3	1734.6	1784.0	1740.8	1769.6	1584.4
42.5°	3261.4	3234.6	3183.2	2899.2	2656.4	2300.4	2018.5	1987.7	1944.5	1977.4	1767.5
45°	3275.8	3216.1	3230.5	3074.1	2963.0	2707.8	2302.5	2201.7	2185.2	2205.8	1979.4
47.5°	3074.1	3014.4	3115.3	3074.1	3140.0	3002.1	2681.1	2489.7	2454.8	2467.1	2199.6
50°	2609.1	2602.9	2744.9	2891.0	3166.7	3205.8	3150.2	2802.5	2784.0	2775.7	2450.6
52.5°	2154.3	2127.6	2253.1	2473.3	2934.2	3197.6	3533.0	3201.7	3209.9	3115.3	2701.7
55°	1642.0	1672.9	1798.4	1975.3	2430.1	3030.9	3831.3	3722.3	3654.4	3442.4	2950.6
57.5°	1002.1	1100.8	1302.5	1483.6	1942.4	2605.0	3864.2	4177.0	4067.9	3773.7	3205.8
60°	584.4	586.4	744.9	1053.5	1401.2	1866.3	3646.1	4572.1	4512.4	4123.5	3465.1
62.5°	409.5	417.7	463.0	726.3	876.6	1160.5	3092.6	4742.8	4884.8	4380.7	3724.3
65°	331.3	331.3	356.0	475.3	617.3	617.3	2226.4	4502.1	4985.6	4522.7	3860.1
67.5°	310.7	310.7	323.0	347.7	477.4	407.4	1086.4	3893.0	4637.9	4446.5	3878.6
70°	275.7	275.7	300.4	310.7	372.4	312.8	467.1	2926.0	3847.8	4051.5	3753.1
72.5°	232.5	236.6	257.2	294.2	292.2	246.9	316.9	1771.6	2726.4	3205.8	3448.6
75°	191.4	195.5	209.9	240.7	269.6	187.2	253.1	874.5	1631.7	2142.0	2765.5
77.5°	150.2	148.1	168.7	195.5	220.2	144.0	185.2	380.7	812.8	1211.9	1654.3
80°	100.8	100.8	121.4	148.1	152.3	135.8	127.6	238.7	339.5	497.9	658.4
82.5°	63.8	65.8	78.2	92.6	104.9	115.2	92.6	146.1	177.0	201.6	189.3
85°	14.4	12.3	20.6	26.7	39.1	41.2	45.3	49.4	61.7	65.8	57.6
87.5°	0.0	0.0	2.1	2.1	2.1	4.1	4.1	8.2	8.2	10.3	10.3
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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
5°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0
7.5°	0.0	0.0	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
10°	6.2	6.2	4.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	100.8	98.8	92.6	28.8	8.2	2.1	0.0	2.1	4.1	6.2	8.2
15°	201.6	199.6	189.3	127.6	107.0	14.4	6.2	28.8	131.7	183.1	189.3
17.5°	246.9	249.0	238.7	234.6	170.8	109.1	115.2	216.1	226.3	230.5	230.5
20°	364.2	362.1	356.0	318.9	238.7	214.0	275.7	236.6	244.9	253.1	257.2
22.5°	493.8	489.7	481.5	384.8	335.4	341.6	300.4	318.9	428.0	434.2	436.2
25°	648.2	633.8	588.5	502.1	483.5	415.6	442.4	411.5	419.8	421.8	419.8
27.5°	804.5	788.1	683.1	631.7	576.1	436.2	454.7	419.8	471.2	524.7	524.7
30°	969.1	938.3	816.9	769.6	652.3	524.7	444.4	465.0	475.3	473.3	473.3
32.5°	1152.3	1094.7	936.2	938.3	697.5	522.6	458.9	423.9	446.5	524.7	526.8
35°	1249.0	1174.9	1084.4	1047.3	753.1	481.5	407.4	440.3	479.4	483.5	481.5
37.5°	1345.7	1249.0	1146.1	1137.9	724.3	438.3	399.2	417.7	434.2	428.0	428.0
40°	1475.3	1362.2	1263.4	1142.0	677.0	397.1	382.7	393.0	395.1	388.9	388.9
42.5°	1637.9	1506.2	1405.4	1107.0	590.5	370.4	366.3	372.4	376.5	368.3	366.3
45°	1829.2	1674.9	1547.3	1065.9	481.5	356.0	358.0	358.0	364.2	356.0	353.9
47.5°	2047.3	1886.9	1648.2	1012.4	407.4	343.6	351.9	347.7	351.9	341.6	339.5
50°	2292.2	2111.1	1788.1	938.3	368.3	327.2	347.7	335.4	339.5	333.3	333.3
52.5°	2520.6	2364.2	1923.9	847.7	337.5	314.8	333.3	333.3	337.5	331.3	329.2
55°	2771.6	2639.9	2084.4	757.2	306.6	304.5	331.3	335.4	333.3	327.2	327.2
57.5°	3030.9	2965.1	2244.9	703.7	279.8	286.0	329.2	337.5	331.3	325.1	323.0
60°	3333.4	3372.5	2403.3	660.5	255.1	267.5	323.0	329.2	325.1	318.9	318.9
62.5°	3652.3	3786.0	2526.8	551.4	238.7	251.0	310.7	318.9	312.8	310.7	310.7
65°	3893.0	4018.6	2553.5	401.2	222.2	234.6	298.4	304.5	302.5	300.4	300.4
67.5°	3993.9	4028.8	2428.0	286.0	205.8	220.2	284.0	292.2	286.0	290.1	288.1
70°	3940.4	3761.4	2082.3	236.6	189.3	201.6	265.4	271.6	267.5	277.8	273.7
72.5°	3512.4	3146.1	1553.5	199.6	174.9	183.1	244.9	249.0	246.9	251.0	242.8
75°	2664.6	2234.6	971.2	177.0	158.4	162.6	218.1	226.3	220.2	218.1	209.9
77.5°	1537.1	1347.8	485.6	160.5	142.0	139.9	191.4	197.5	193.4	181.1	185.2
80°	570.0	471.2	218.1	139.9	123.5	117.3	158.4	164.6	160.5	148.1	148.1
82.5°	164.6	152.3	133.7	115.2	107.0	92.6	127.6	133.7	131.7	125.5	117.3
85°	51.4	53.5	67.9	74.1	78.2	65.8	96.7	96.7	88.5	80.2	65.8
87.5°	6.2	10.3	12.3	20.6	24.7	18.5	24.7	26.7	24.7	16.5	16.5
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)