

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: P157089

Luminaire Tested: **UTLD-E01-LED-E-U-SL4-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157089
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33670)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E01-LED-E-U-SL4-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2298.1 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 24.7
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

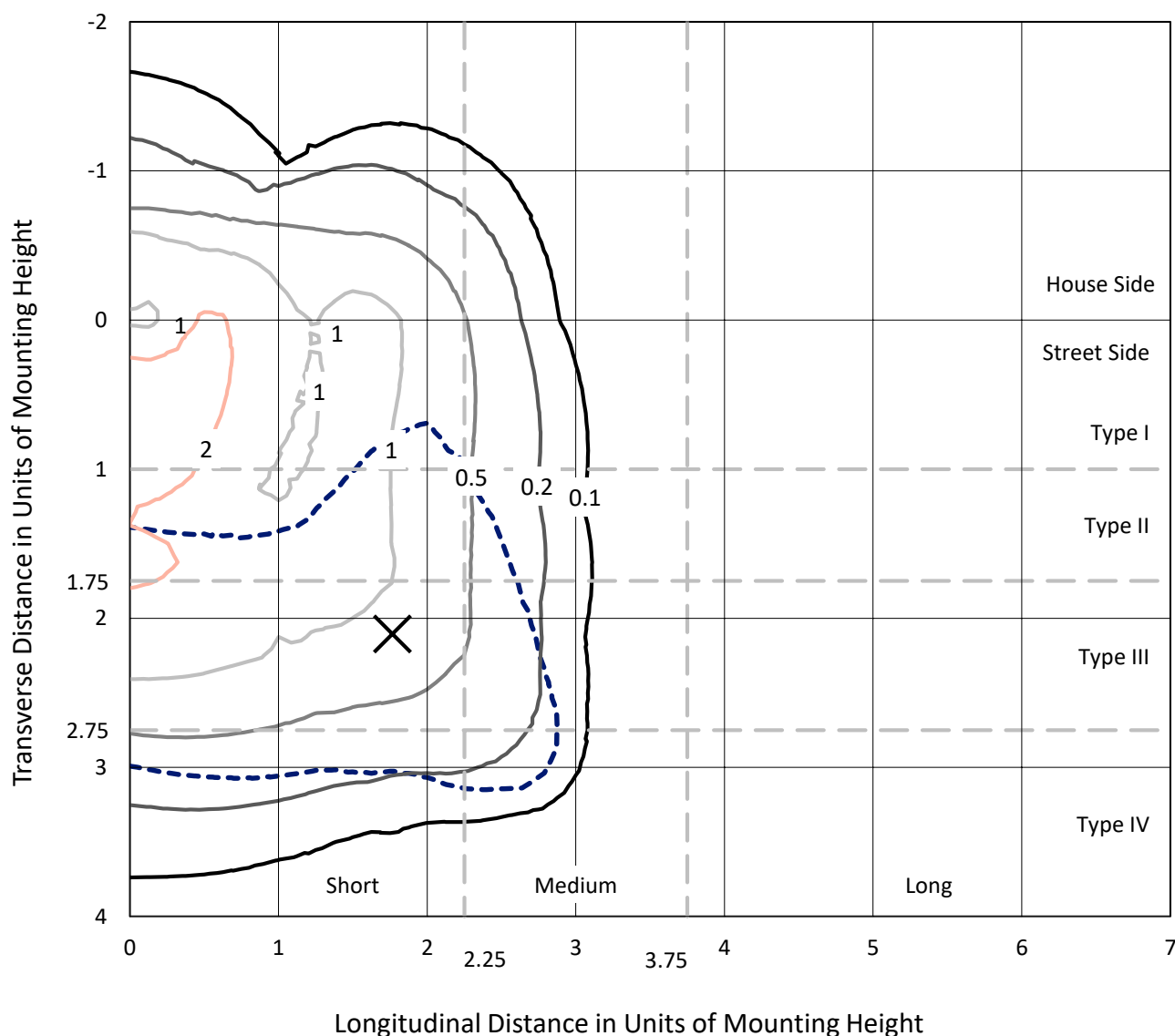


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

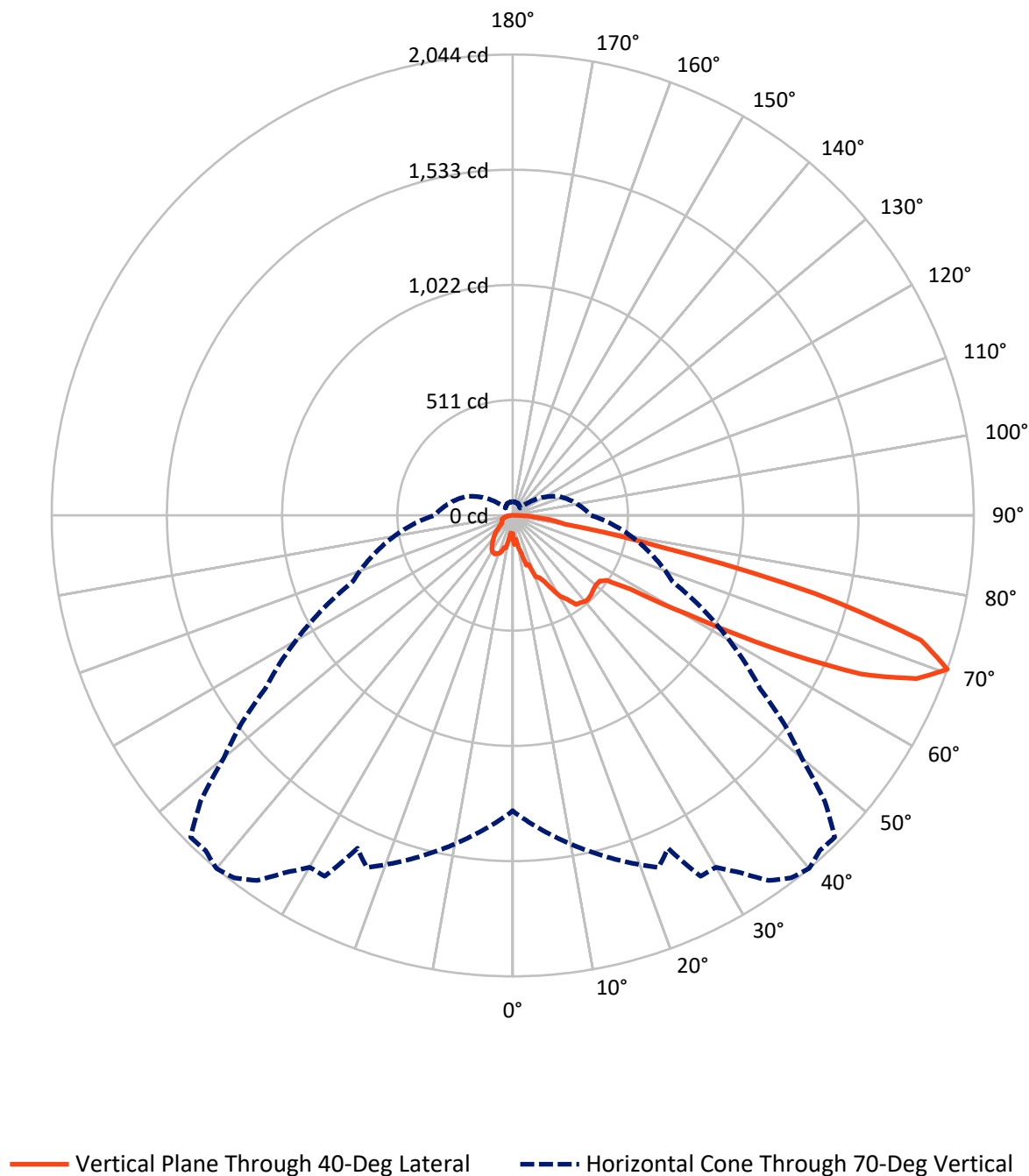


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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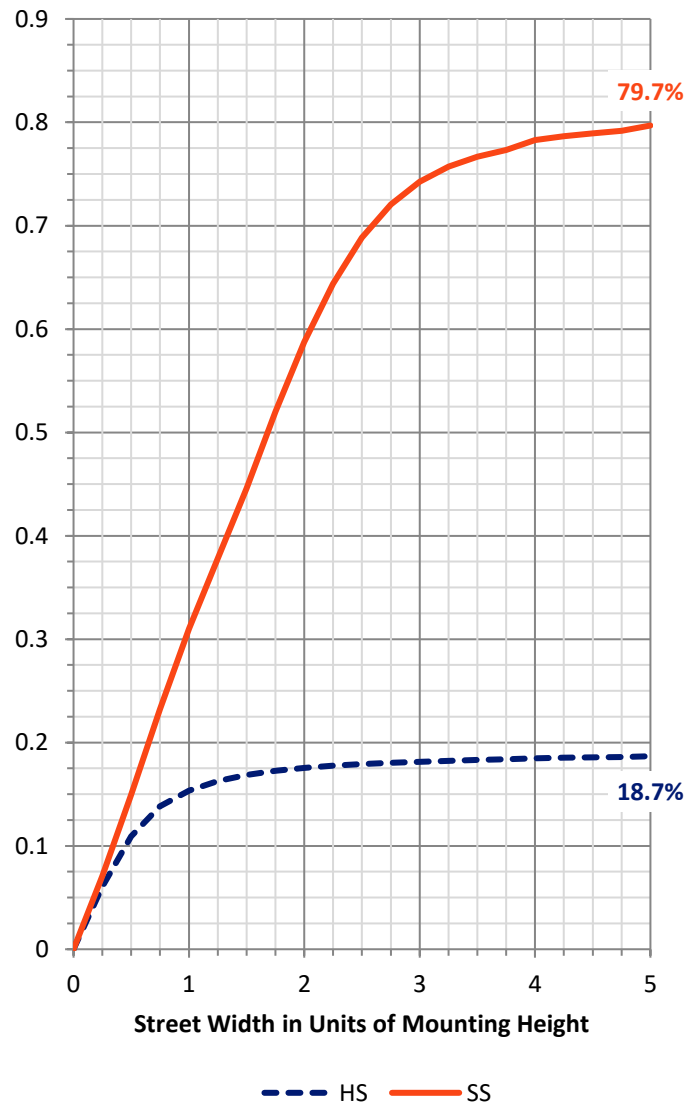
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	435.5	0.0	435.5
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	1862.7	0.0	1862.7
	% Fixture	81.1	0.0	81.1
Total	Lumens	2298.1	0.0	2298.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.4
10°-20°	51.2	2.2
20°-30°	125.8	5.5
30°-40°	210.5	9.2
40°-50°	266.3	11.6
50°-60°	413.3	18.0
60°-70°	776.9	33.8
70°-80°	383.1	16.7
80°-90°	60.7	2.6
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°	2298.1	100.0
0°-180°	2298.1	100.0

Coefficient of Utilization



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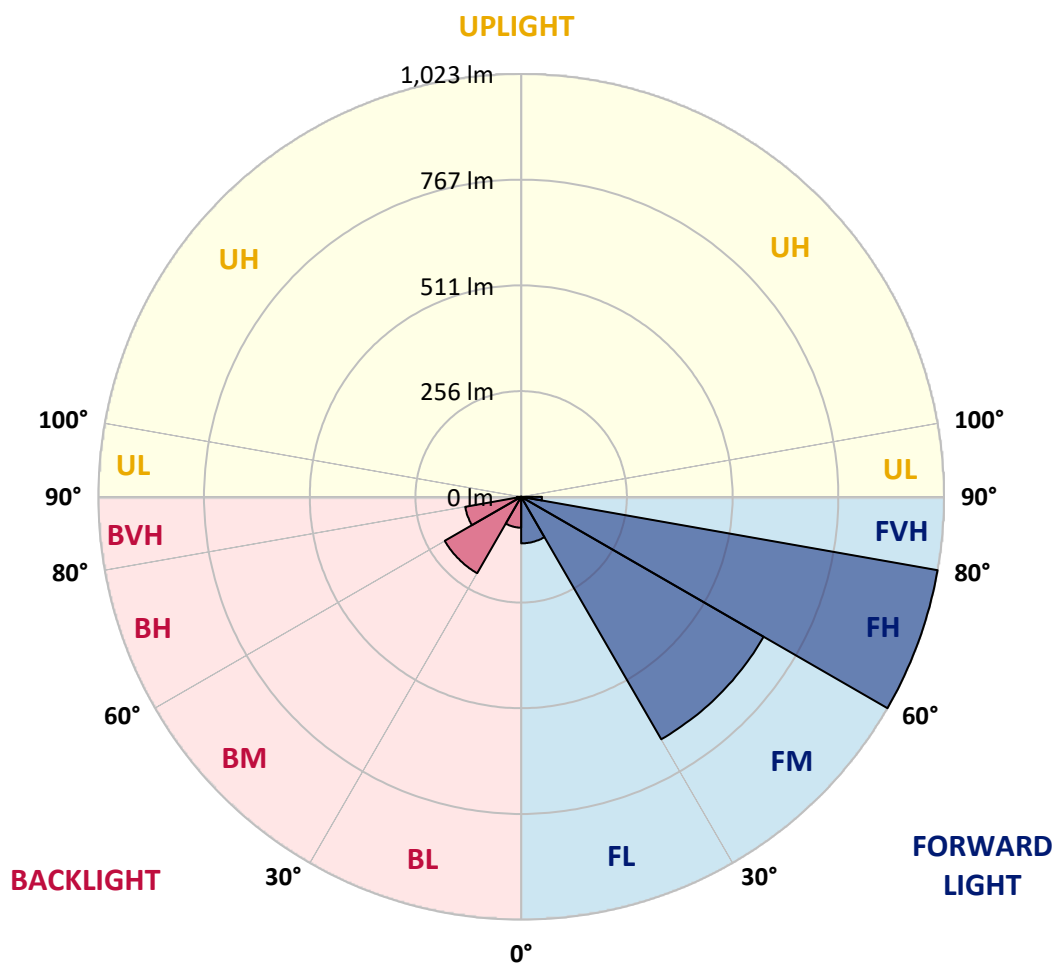
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	112.6	4.9			
FM	(30°-60°)	677.0	29.5			
FH	(60°-80°)	1022.6	44.5			G1/1800
FVH	(80°-90°)	50.5	2.2			G1/100
BL	(0°-30°)	74.7	3.2	B0/110		
BM	(30°-60°)	213.1	9.3	B0/220		
BH	(60°-80°)	137.4	6.0	B1/500		G1/500
BVH	(80°-90°)	10.3	0.4			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	0.3°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°
0°	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
2.5°	128.3	125.6	128.3	127.9	130.2	129.7	129.7	128.3	127.9	129.2	128.8
5°	107.8	108.2	105.9	103.7	105.0	105.0	105.0	104.1	103.7	105.5	106.9
7.5°	159.8	160.3	158.9	156.6	159.8	156.6	155.3	147.0	132.4	108.2	106.9
10°	161.7	161.2	158.0	156.2	156.6	156.6	155.7	154.4	148.4	148.9	151.6
12.5°	209.6	209.6	202.3	196.4	199.1	193.6	163.0	157.1	154.4	173.5	191.3
15°	223.8	212.4	205.5	196.4	199.6	201.9	232.9	235.2	240.2	229.3	227.4
17.5°	262.1	262.6	252.5	250.3	277.2	265.3	238.4	235.2	239.3	228.8	227.0
20°	309.6	308.7	277.7	319.7	285.4	283.6	276.7	274.0	285.0	290.4	260.3
22.5°	322.0	322.4	338.9	356.7	328.8	317.4	305.1	305.1	302.8	299.1	283.6
25°	395.5	396.4	351.2	374.0	343.4	357.1	351.2	338.9	329.3	323.3	316.5
27.5°	432.9	427.0	411.0	439.3	421.5	406.9	380.0	356.2	366.7	367.2	356.7
30°	494.6	494.1	481.8	480.9	446.2	428.4	433.8	418.8	409.2	416.9	385.9
32.5°	590.0	592.8	512.4	506.0	494.1	491.8	472.2	462.2	441.1	442.5	416.0
35°	697.8	698.7	582.7	542.1	548.9	525.6	493.7	485.4	468.1	484.5	447.1
37.5°	740.7	739.8	642.5	581.8	571.3	539.3	524.3	517.0	495.5	490.5	458.5
40°	811.1	811.5	680.9	599.6	605.1	564.5	551.7	527.9	498.2	500.5	463.5
42.5°	834.3	834.3	692.3	603.7	616.1	580.4	554.4	528.8	502.8	498.2	468.5
45°	843.9	844.4	686.8	606.9	602.4	577.2	547.6	524.7	497.8	491.8	464.4
47.5°	842.6	842.1	677.2	606.0	596.9	566.7	547.6	522.4	492.3	484.5	459.4
50°	832.5	833.4	674.5	601.0	603.7	562.6	548.0	519.7	492.3	480.9	459.0
52.5°	843.0	845.3	686.8	603.3	617.0	577.2	553.0	525.2	499.6	483.6	464.0
55°	1075.5	1091.9	759.9	642.5	669.9	623.4	583.2	554.9	526.1	508.3	491.4
57.5°	1528.9	1530.3	1059.5	812.0	866.3	787.8	715.2	690.9	639.3	616.1	609.7
60°	1700.7	1706.6	1421.6	1166.3	1278.7	1156.8	1070.0	1023.4	953.5	885.5	870.9
62.5°	1803.0	1807.1	1615.7	1402.9	1557.7	1477.8	1428.0	1422.1	1352.7	1295.1	1265.0
65°	1871.9	1872.4	1753.6	1556.3	1725.3	1654.1	1665.0	1723.0	1706.6	1697.5	1659.1
67.5°	1794.3	1797.5	1824.0	1677.4	1843.1	1798.4	1854.1	1919.9	1926.3	1931.3	1891.5
70°	1308.4	1315.7	1690.2	1628.0	1803.4	1801.1	1877.4	1975.6	2026.3	2043.6	2015.3
72.5°	829.3	822.9	1118.4	1196.0	1318.4	1429.8	1573.7	1729.4	1860.0	1892.0	1867.8
75°	580.0	578.2	603.3	616.1	717.0	744.8	891.4	1123.0	1291.0	1383.7	1387.8
77.5°	368.1	368.1	364.0	343.9	355.7	344.3	351.6	402.8	497.3	677.7	715.2
80°	304.1	304.6	270.4	248.9	262.1	259.4	246.6	241.1	234.7	231.5	248.9
82.5°	205.0	201.9	229.3	211.0	217.8	215.1	210.1	204.1	195.0	178.1	163.0
85°	150.7	148.4	140.2	126.0	133.8	132.4	129.7	123.3	118.7	104.6	95.9
87.5°	113.3	112.3	102.3	82.2	86.8	81.3	73.5	65.8	60.3	51.6	45.2
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):

	45°	47.5°	50°	52.5°	55°	67.5°	90°	112.5°	135°	157.5°	180°
0°	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
2.5°	128.8	128.8	128.8	126.0	122.8	90.9	79.0	78.1	80.4	112.3	124.7
5°	105.5	103.7	103.2	103.2	104.1	122.8	77.2	79.0	111.4	78.1	77.6
7.5°	105.5	103.7	102.8	101.4	101.4	95.9	75.4	108.2	75.4	87.7	124.7
10°	151.6	147.0	146.1	148.0	144.3	138.4	110.1	115.1	105.0	124.2	124.7
12.5°	190.9	190.9	190.0	194.5	192.3	135.6	120.6	111.4	152.1	131.1	166.7
15°	205.5	190.4	193.6	192.7	188.6	196.8	148.9	140.7	144.3	152.5	160.7
17.5°	233.8	250.3	259.8	248.0	216.9	206.0	179.5	143.9	164.9	174.0	195.5
20°	251.6	249.3	256.2	245.7	232.4	236.6	215.1	209.2	179.5	172.6	179.5
22.5°	275.4	278.1	291.8	275.4	269.4	271.7	244.3	214.6	174.9	206.9	195.9
25°	305.5	315.6	322.9	314.6	292.3	321.0	273.1	253.9	189.5	183.6	199.1
27.5°	350.7	351.2	348.0	337.9	332.5	335.7	306.0	241.6	189.5	175.4	172.2
30°	376.3	380.4	394.6	370.8	363.1	364.9	310.1	261.2	191.3	153.4	162.1
32.5°	427.0	413.7	405.5	377.2	393.7	366.3	344.8	273.1	183.6	142.9	143.9
35°	437.5	433.8	438.4	398.2	400.0	398.2	334.3	278.1	169.9	125.1	113.7
37.5°	459.9	448.9	442.1	419.2	425.6	389.1	335.2	275.4	160.3	103.2	92.2
40°	463.5	464.9	460.3	422.9	429.3	378.1	327.9	270.4	149.8	83.6	84.9
42.5°	473.6	463.5	455.3	422.9	430.2	373.6	333.8	266.2	135.2	72.2	79.5
45°	469.5	459.9	450.7	422.0	426.1	374.5	340.2	262.6	120.1	67.6	79.5
47.5°	464.4	456.2	444.8	423.8	425.6	382.2	352.6	260.8	101.8	67.1	79.9
50°	465.8	456.7	445.7	429.7	429.3	388.6	365.3	270.4	82.2	67.6	79.0
52.5°	471.3	461.2	448.9	436.6	435.2	416.9	433.4	279.0	66.7	67.6	77.6
55°	504.6	493.2	486.8	490.5	489.1	542.1	630.7	288.6	57.5	67.1	75.8
57.5°	642.5	634.8	639.3	666.7	673.1	760.4	812.0	301.4	53.9	66.2	74.0
60°	921.1	927.5	911.1	936.2	922.9	918.4	891.9	326.1	51.6	64.8	72.2
62.5°	1285.5	1264.1	1205.6	1200.6	1151.7	1007.4	902.4	332.5	50.2	63.5	69.9
65°	1659.6	1574.2	1454.5	1408.8	1322.1	1052.6	851.7	309.2	49.3	62.6	66.7
67.5°	1907.5	1796.1	1632.2	1535.8	1405.6	1007.0	655.8	267.6	48.0	60.7	63.0
70°	2018.5	1876.5	1671.0	1515.7	1339.0	767.2	347.1	219.7	45.7	58.0	61.2
72.5°	1861.9	1724.9	1476.4	1284.2	1041.7	475.9	176.7	157.1	42.5	53.4	60.7
75°	1328.0	1175.9	920.2	748.5	562.2	216.0	100.0	74.4	37.9	48.4	59.8
77.5°	664.5	532.9	372.6	295.0	231.5	111.9	44.3	37.0	32.9	42.9	50.2
80°	235.6	217.8	198.7	189.1	163.0	59.8	31.1	29.7	28.8	35.6	36.5
82.5°	155.7	145.2	133.3	125.1	100.5	41.6	24.2	25.6	23.7	29.2	25.1
85°	89.5	84.9	75.8	66.7	54.3	31.5	20.6	21.9	16.4	22.4	16.0
87.5°	42.0	39.7	37.4	34.7	31.1	22.8	11.4	20.6	10.5	14.2	8.2
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)