

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: P200695

Luminaire Tested: **GAW-AF-01-LED-E1-T4W-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200695
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24147)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAW-AF-01-LED-E1-T4W-8030
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5151 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 59
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

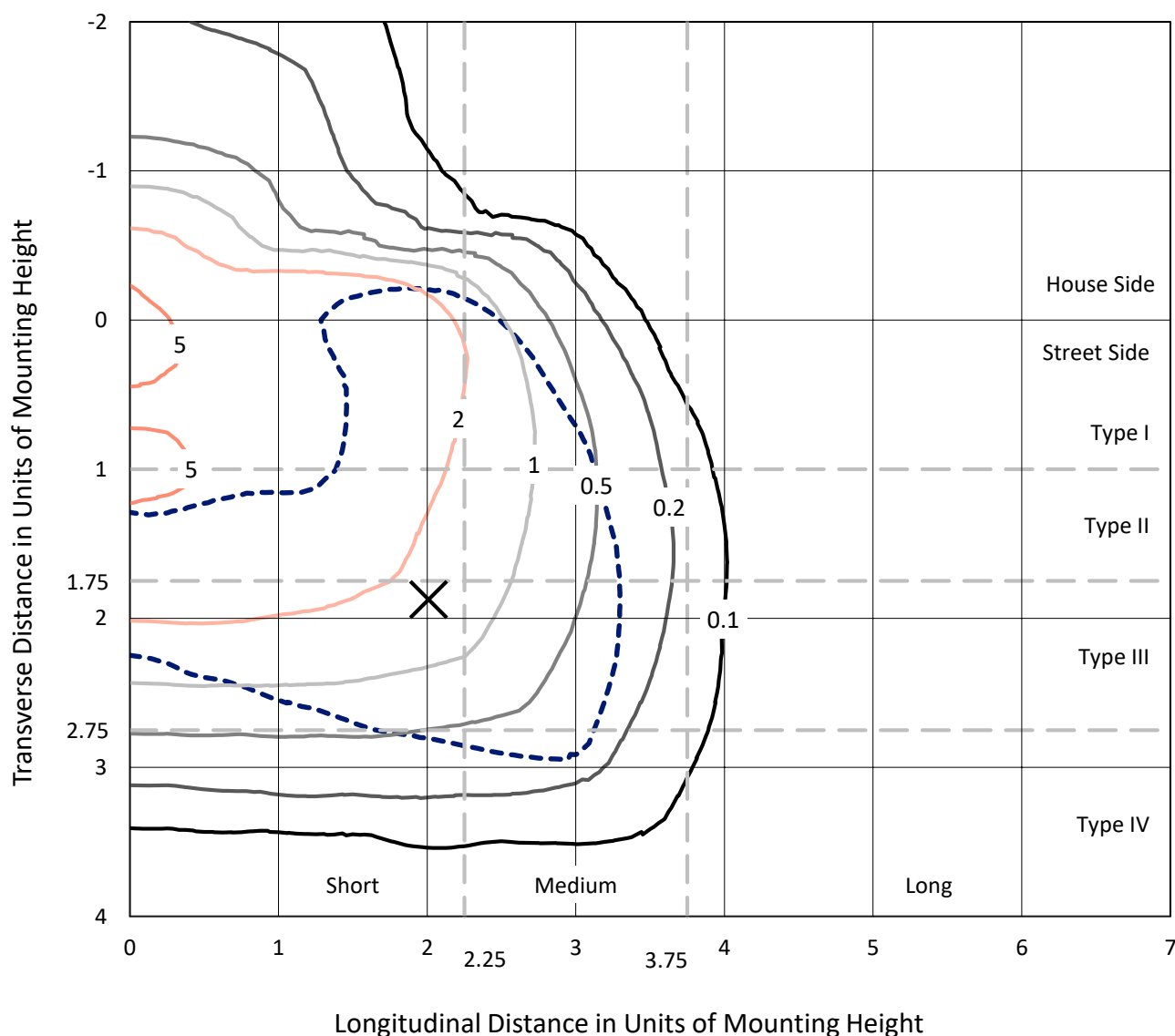


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

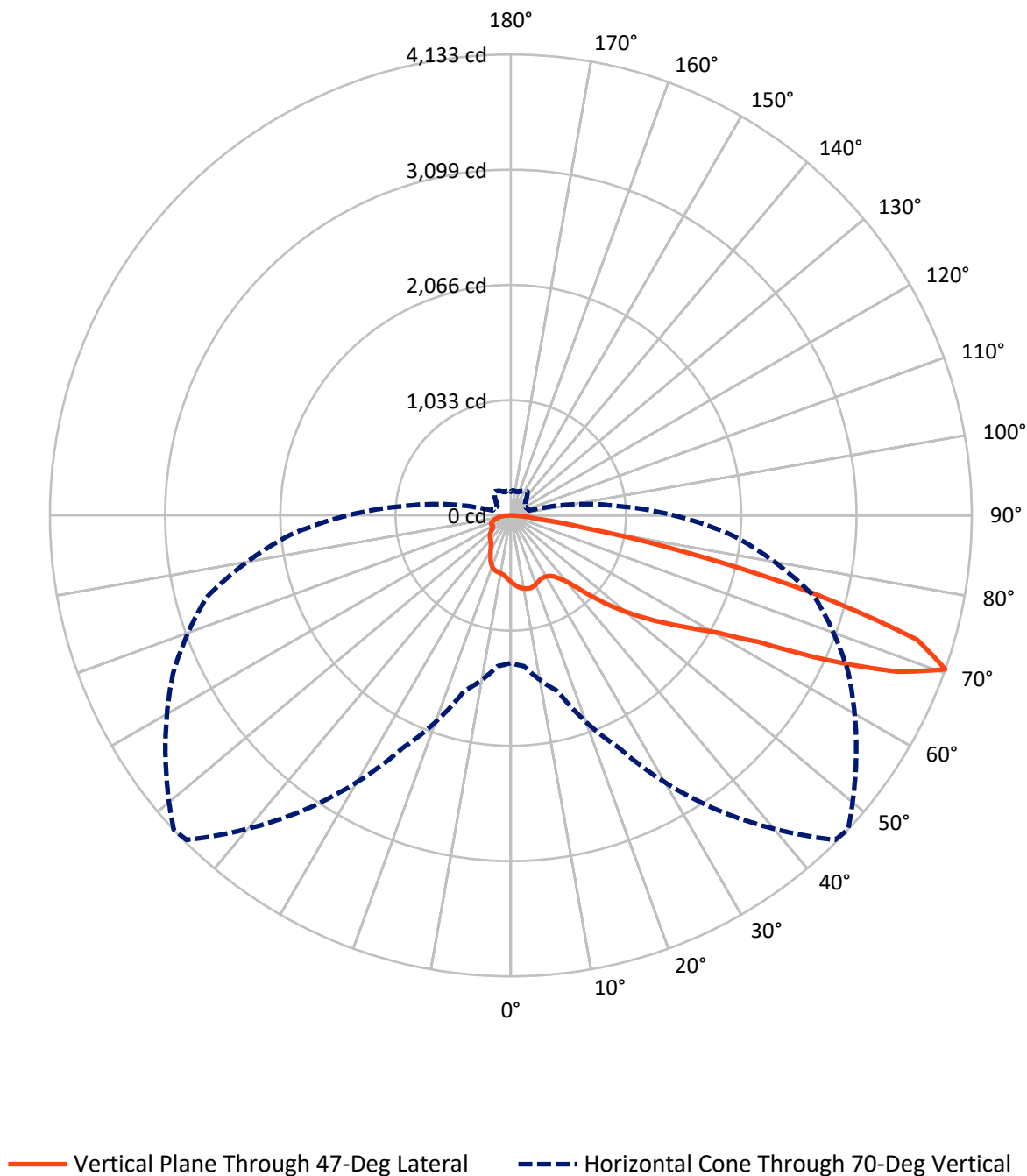


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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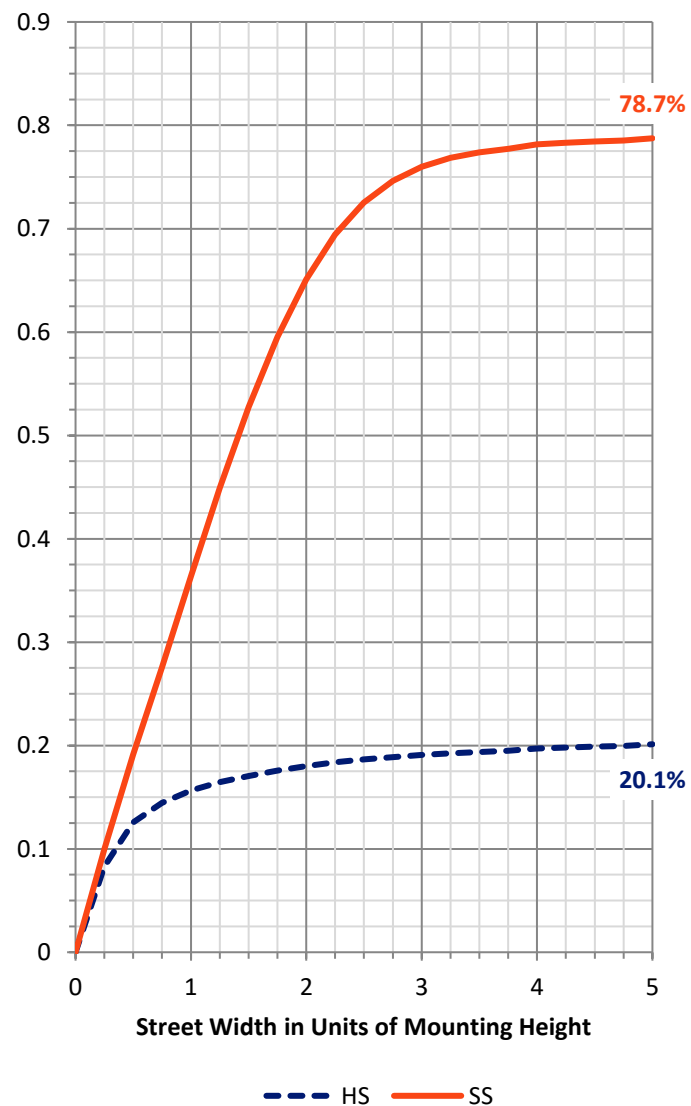
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1074.6	0.0	1074.6
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	4076.4	0.0	4076.4
	% Fixture	79.1	0.0	79.1
Total	Lumens	5151.0	0.0	5151.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	1.1
10°-20°	168.0	3.3
20°-30°	248.1	4.8
30°-40°	360.6	7.0
40°-50°	649.0	12.6
50°-60°	1124.3	21.8
60°-70°	1604.7	31.2
70°-80°	823.8	16.0
80°-90°	115.3	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°	5151.0	100.0
0°-180°	5151.0	100.0

Coefficient of Utilization



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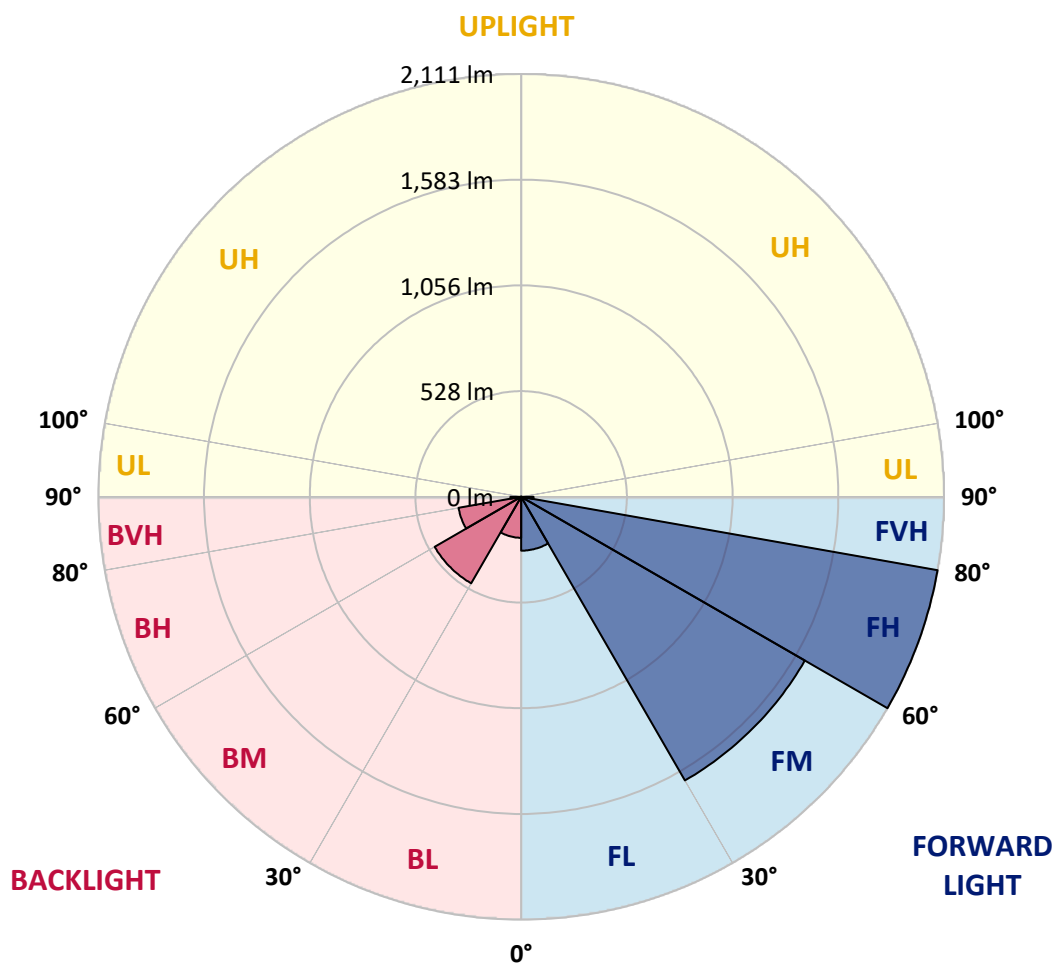
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	268.8	5.2			
FM	(30°-60°)	1635.1	31.7			
FH	(60°-80°)	2111.0	41.0			G2/5000
FVH	(80°-90°)	61.5	1.2			G1/100
BL	(0°-30°)	204.6	4.0	B1/500		
BM	(30°-60°)	498.8	9.7	B1/1000		
BH	(60°-80°)	317.4	6.2	B1/500		G1/500
BVH	(80°-90°)	53.8	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	597.7	597.7	597.7	597.7	597.7	597.7	597.7	597.7	597.7	597.7	597.7
2.5°	632.8	631.5	631.0	630.0	628.8	622.5	621.2	616.7	610.5	603.9	597.2
5°	674.4	674.1	671.4	666.3	658.3	644.5	641.3	630.3	615.5	601.2	586.9
7.5°	710.9	708.7	703.4	693.4	679.4	660.6	656.1	640.8	620.5	600.9	581.6
10°	737.8	736.5	725.0	711.2	692.9	672.1	666.8	649.8	627.5	602.7	578.6
12.5°	753.0	750.5	737.3	720.7	698.9	678.6	673.4	656.1	631.0	602.7	574.4
15°	752.0	750.3	737.0	719.0	696.9	679.1	674.4	657.1	630.3	600.2	568.9
17.5°	732.0	732.7	721.5	703.7	685.6	672.1	667.8	651.8	625.2	595.2	562.3
20°	696.9	700.4	692.9	677.1	667.1	657.8	655.1	641.5	617.5	587.9	555.3
22.5°	661.8	665.1	662.1	648.8	647.3	641.8	640.3	630.5	610.7	583.4	551.1
25°	636.0	639.0	638.5	627.0	631.5	631.3	630.0	625.2	609.2	583.4	551.8
27.5°	629.0	630.0	629.0	618.5	624.7	629.8	628.8	628.0	613.7	590.7	561.3
30°	653.1	651.6	643.8	622.5	628.2	635.3	634.3	634.8	627.2	609.7	582.6
32.5°	749.0	742.3	717.7	657.8	642.5	646.3	646.8	655.1	656.3	639.0	615.7
35°	892.6	885.1	853.3	752.5	686.9	673.9	673.9	686.4	693.9	681.1	667.1
37.5°	1044.7	1036.5	1019.4	883.9	780.1	721.7	720.5	729.2	740.0	743.0	746.5
40°	1217.7	1208.9	1213.6	1031.2	910.2	804.7	786.9	780.6	809.7	829.0	857.0
42.5°	1406.9	1402.8	1404.6	1195.4	1058.3	928.7	903.4	871.1	906.2	940.5	999.4
45°	1582.0	1585.5	1583.8	1371.0	1223.2	1080.1	1053.3	990.6	1024.9	1083.8	1179.8
47.5°	1735.4	1720.9	1743.4	1563.0	1407.9	1249.5	1216.4	1132.5	1167.3	1240.0	1402.3
50°	1921.6	1919.6	1886.5	1819.1	1631.1	1419.6	1376.3	1279.1	1333.2	1434.2	1682.8
52.5°	2117.3	2081.0	2050.6	2018.3	1868.0	1594.1	1540.9	1425.2	1528.1	1655.2	2024.6
55°	2157.4	2141.1	2178.7	2233.1	2096.3	1775.2	1713.3	1608.3	1747.7	1907.8	2418.8
57.5°	2243.1	2242.9	2320.5	2417.5	2331.3	1967.4	1905.0	1829.6	1994.5	2197.2	2837.3
60°	2301.0	2317.3	2461.6	2649.8	2562.1	2189.5	2132.1	2085.0	2275.2	2520.8	3227.2
62.5°	2331.3	2353.4	2550.3	2744.0	2888.4	2559.1	2501.7	2433.8	2646.6	2875.6	3455.2
65°	2205.3	2248.6	2536.6	2825.5	3174.1	3158.3	3132.5	3013.2	3110.9	3156.0	3372.8
67.5°	1856.4	1900.8	2236.1	2749.6	3378.1	3736.2	3741.7	3537.9	3396.6	3180.1	2835.8
70°	1322.7	1357.5	1634.9	2305.3	3222.7	4113.8	4132.6	3779.8	3339.7	2820.2	1981.2
72.5°	628.0	649.3	911.9	1500.3	2557.4	3769.2	3805.6	3471.0	2839.8	2088.0	1080.8
75°	230.8	237.3	308.2	638.3	1483.3	2779.6	2822.5	2488.2	1882.5	1039.5	411.7
77.5°	138.3	142.6	172.9	269.4	583.4	1588.8	1652.2	1353.2	822.7	386.9	202.5
80°	96.7	99.7	124.0	167.7	275.7	605.4	661.8	552.3	327.8	244.8	147.4
82.5°	65.4	66.9	87.2	113.3	183.2	216.3	233.3	245.6	221.0	182.2	93.5
85°	42.9	44.4	59.1	74.7	116.5	111.8	114.3	144.6	161.4	123.8	51.9
87.5°	24.6	25.6	35.6	39.8	57.1	47.4	47.9	76.2	103.2	83.4	31.6
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°	597.7	597.7	597.7	597.7	597.7	597.7	597.7	597.7	597.7	597.7	597.7
2.5°	595.4	592.2	584.9	580.4	576.1	575.1	573.4	573.1	572.9	572.9	572.1
5°	582.1	576.6	565.3	559.1	553.8	553.3	553.1	554.3	554.8	555.3	554.6
7.5°	573.6	566.1	552.1	543.0	536.8	535.3	537.8	543.5	547.3	548.8	548.1
10°	568.4	559.1	542.8	533.0	527.8	527.0	530.3	537.0	544.8	547.8	547.6
12.5°	562.3	551.8	534.5	524.3	521.2	522.7	527.0	533.3	541.3	546.1	546.3
15°	556.3	544.0	526.3	517.2	516.0	518.0	522.0	526.8	533.0	537.8	538.3
17.5°	549.1	536.3	518.5	509.2	508.2	509.2	509.5	512.0	516.0	520.5	521.7
20°	541.3	528.3	509.7	500.4	495.9	491.9	487.4	487.9	489.2	493.7	494.7
22.5°	535.8	522.7	503.0	490.2	478.1	466.1	457.1	455.8	456.3	460.1	461.4
25°	536.3	522.5	501.2	479.1	452.8	433.5	421.5	419.5	419.3	422.0	423.8
27.5°	546.1	532.3	507.7	467.9	425.3	396.7	383.9	382.4	380.4	381.2	383.2
30°	567.9	555.1	523.5	456.3	395.4	360.6	347.3	345.8	343.1	341.8	343.3
32.5°	603.4	592.9	546.6	445.3	365.6	329.8	316.3	313.0	311.2	309.7	311.0
35°	662.6	658.1	577.4	433.3	339.3	306.0	293.7	288.7	286.2	288.9	290.9
37.5°	755.3	757.8	617.7	414.5	319.0	290.2	279.9	274.2	270.4	272.7	274.9
40°	886.6	888.4	662.3	387.9	301.5	280.9	269.9	264.6	259.4	255.4	255.1
42.5°	1059.0	1041.2	706.2	359.1	281.2	275.2	262.9	256.4	248.3	237.3	235.1
45°	1263.5	1201.1	739.5	326.0	258.4	268.1	255.1	246.1	233.6	221.5	220.3
47.5°	1499.1	1372.8	755.8	291.7	237.1	257.9	245.6	231.3	215.5	209.5	208.7
50°	1786.8	1576.5	763.6	258.4	218.5	244.3	231.8	215.0	201.7	200.5	199.7
52.5°	2114.3	1821.6	766.1	231.1	203.2	226.8	220.5	204.2	193.7	194.7	194.7
55°	2457.1	2074.7	732.0	211.3	189.2	208.7	213.0	200.0	191.2	195.2	196.7
57.5°	2771.9	2299.0	624.7	196.0	175.9	195.0	210.3	204.0	198.0	214.3	215.3
60°	3013.4	2431.6	466.6	182.2	166.1	190.2	217.5	219.3	220.8	259.6	264.9
62.5°	3064.1	2387.4	320.8	171.4	161.6	194.2	230.8	231.1	229.3	256.4	259.6
65°	2831.8	2108.5	233.3	165.4	157.9	201.5	242.1	236.8	225.3	245.8	239.8
67.5°	2248.9	1588.5	194.2	160.9	152.4	201.0	254.1	242.1	223.0	240.8	231.1
70°	1459.7	960.5	172.9	157.1	145.8	191.5	261.1	241.6	216.5	224.0	212.5
72.5°	712.2	429.5	158.6	151.6	139.1	178.2	260.9	237.1	209.8	209.2	203.0
75°	278.7	196.7	145.6	143.3	127.6	163.1	253.9	230.6	201.7	193.7	191.5
77.5°	163.1	140.3	129.1	131.1	113.8	148.1	243.6	219.3	190.7	181.2	178.7
80°	118.8	105.0	110.0	113.3	97.2	133.1	229.8	205.5	178.4	183.2	179.7
82.5°	76.2	67.7	89.2	92.5	80.9	117.8	214.8	191.0	161.1	146.3	142.8
85°	38.8	42.9	66.4	70.4	62.4	96.7	196.5	171.7	141.6	121.8	123.8
87.5°	21.8	29.3	42.4	47.4	44.1	74.4	159.4	141.6	115.5	94.0	82.7
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)