

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: McGRAW-EDISON

Report Number: P940416

Luminaire Tested: **GALN-SB3C-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14558 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 149.1
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

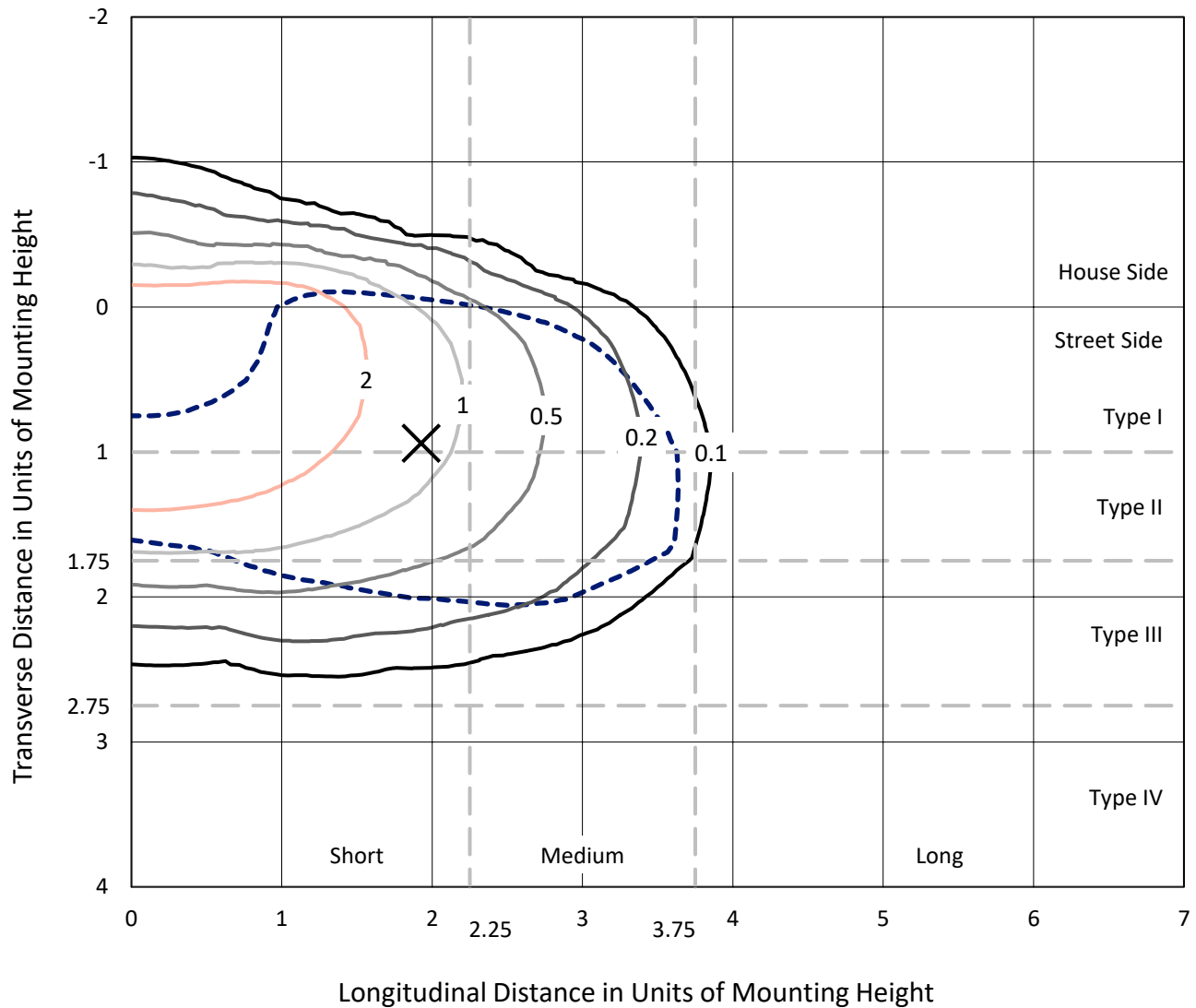


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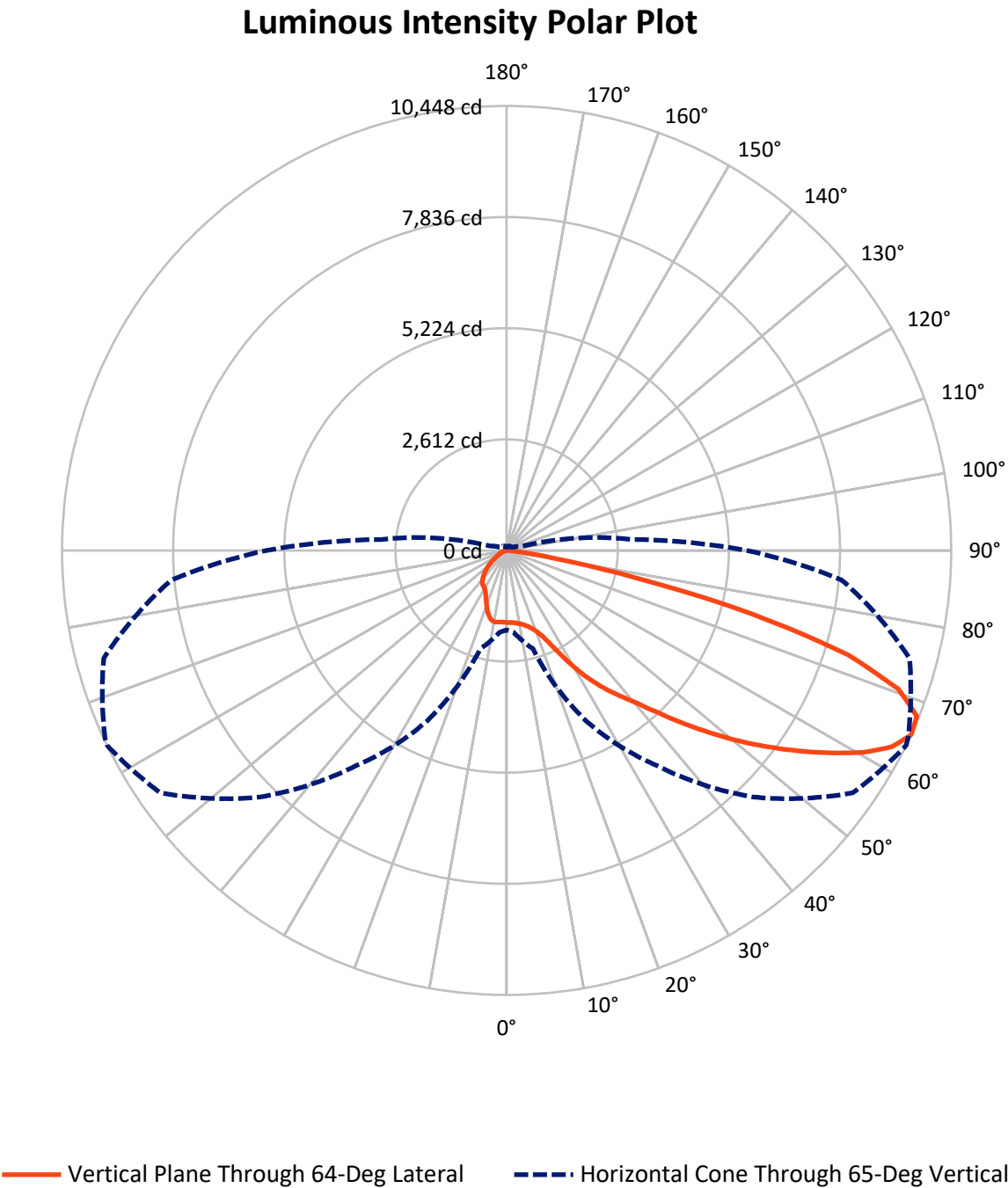
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - N/A

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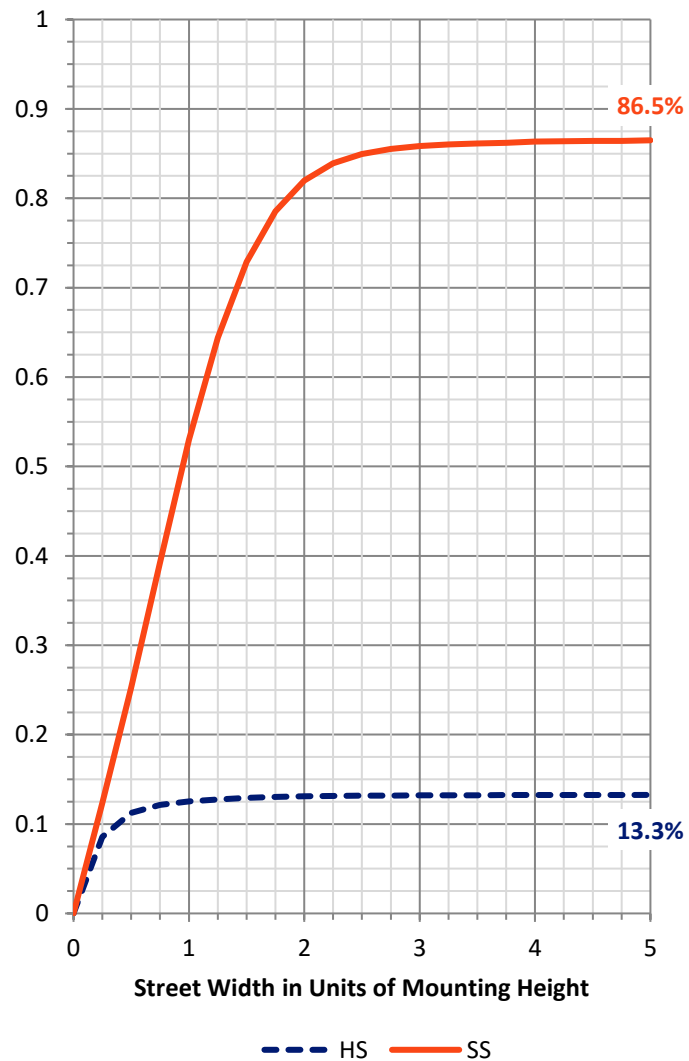
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1946.8	0.0	1946.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	12611.1	0.0	12611.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	14558.0	0.0	14558.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.2	1.1
10°-20°	423.7	2.9
20°-30°	802.9	5.5
30°-40°	1624.7	11.2
40°-50°	2767.7	19.0
50°-60°	3763.8	25.9
60°-70°	3534.4	24.3
70°-80°	1416.0	9.7
80°-90°	68.6	0.5
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°	14558.0	100.0
0°-180°	14558.0	100.0

Coefficient of Utilization



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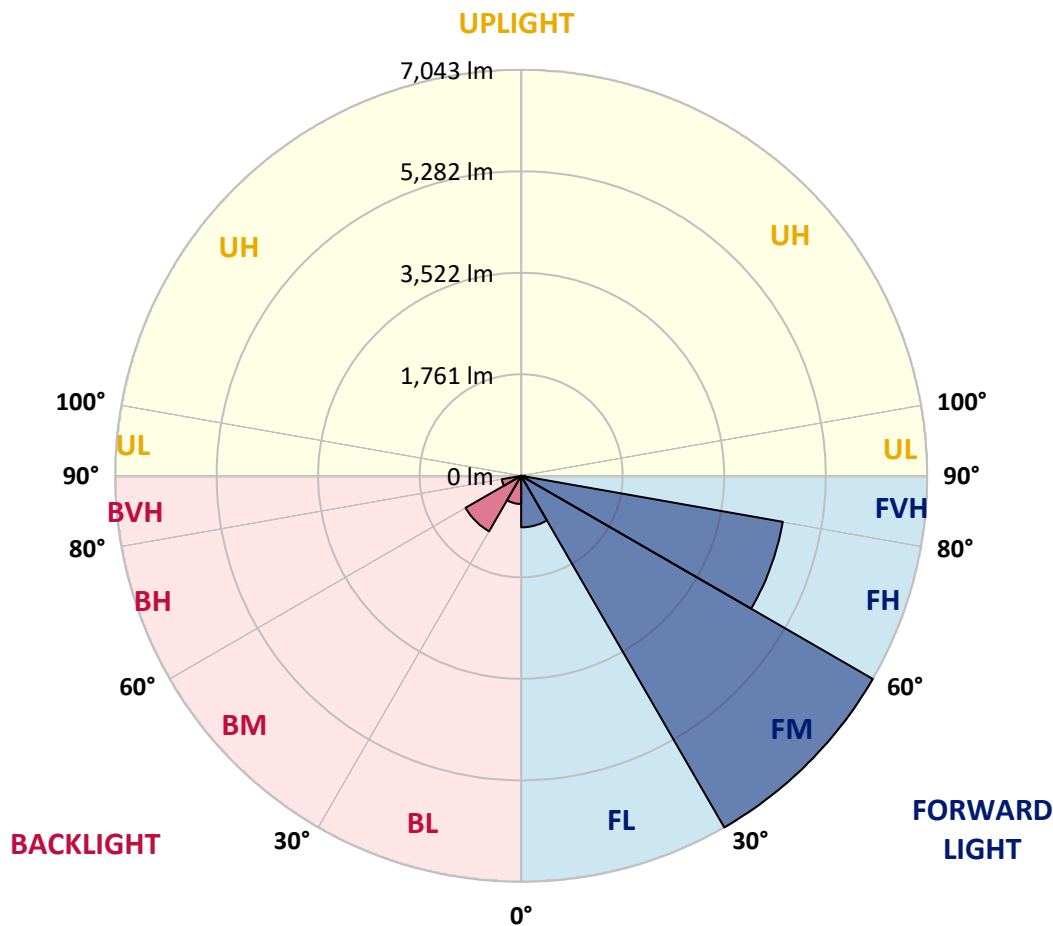
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	894.0	6.1			
FM	(30°-60°)	7043.1	48.4			
FH	(60°-80°)	4608.7	31.7			G2/5000
FVH	(80°-90°)	65.3	0.4			G1/100
BL	(0°-30°)	488.8	3.4	B1/500		
BM	(30°-60°)	1113.0	7.6	B2/2500		
BH	(60°-80°)	341.7	2.3	B1/500		G1/500
BVH	(80°-90°)	3.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1693.2	1693.2	1693.2	1693.2	1693.2	1693.2	1693.2	1693.2	1693.2	1693.2	1693.2
2.5°	1687.4	1699.1	1696.2	1693.2	1692.3	1694.2	1695.2	1694.2	1694.2	1694.2	1695.2
5°	1655.2	1664.9	1664.9	1671.8	1681.5	1693.2	1702.0	1704.0	1705.9	1708.9	1707.9
7.5°	1593.7	1601.5	1607.4	1629.8	1654.2	1685.4	1711.8	1725.5	1727.4	1738.1	1742.0
10°	1551.7	1561.5	1571.3	1594.7	1629.8	1676.7	1721.5	1754.7	1759.6	1785.0	1796.7
12.5°	1549.8	1559.5	1572.2	1597.6	1638.6	1688.4	1743.0	1790.8	1799.6	1836.7	1861.1
15°	1570.3	1582.0	1593.7	1624.9	1668.8	1729.4	1787.9	1847.4	1856.2	1908.9	1935.3
17.5°	1612.2	1627.9	1636.6	1667.9	1714.7	1782.1	1859.2	1927.5	1935.3	1996.8	2029.9
20°	1695.2	1713.7	1716.7	1742.0	1787.9	1860.1	1951.9	2036.8	2046.5	2116.8	2153.9
22.5°	1867.0	1893.3	1869.9	1882.6	1923.6	1995.8	2095.3	2202.7	2216.3	2296.4	2329.6
25°	2169.5	2206.6	2146.1	2124.6	2142.2	2217.3	2342.2	2477.9	2493.5	2557.9	2574.5
27.5°	2763.8	2716.0	2624.3	2534.5	2481.8	2524.7	2665.3	2833.1	2852.7	2915.1	2895.6
30°	3416.7	3374.8	3250.8	3051.7	2926.8	2920.0	3049.8	3237.2	3259.6	3319.2	3259.6
32.5°	4070.6	4030.6	3895.9	3651.0	3434.3	3327.0	3416.7	3624.6	3636.3	3674.4	3586.6
35°	4713.8	4672.8	4538.1	4287.3	4020.9	3776.9	3759.3	3993.5	3997.4	4037.4	3906.7
37.5°	5360.8	5326.7	5183.2	4937.3	4674.7	4338.0	4175.0	4342.9	4347.8	4386.8	4251.2
40°	5822.4	5837.1	5738.5	5548.2	5322.7	4954.8	4641.5	4714.7	4685.5	4750.8	4669.8
42.5°	6218.7	6247.9	6162.1	6066.4	5935.6	5611.6	5219.3	5206.6	5159.8	5194.9	5111.0
45°	6561.2	6585.6	6508.5	6486.1	6483.1	6255.7	5850.7	5774.6	5709.2	5702.4	5601.9
47.5°	6687.1	6733.9	6767.1	6842.3	6988.7	6893.0	6503.6	6385.5	6312.3	6258.7	6099.6
50°	6734.9	6784.7	6897.9	7116.5	7463.0	7504.0	7153.6	7020.9	6931.1	6833.5	6599.3
52.5°	6670.5	6759.3	6911.6	7279.5	7782.1	7993.9	7777.2	7661.1	7558.6	7399.5	7052.1
55°	6290.9	6379.7	6691.0	7277.5	7941.2	8337.4	8366.7	8315.0	8199.8	7949.0	7418.1
57.5°	5490.6	5622.4	6115.2	7029.7	7938.3	8633.1	8944.4	8981.5	8852.7	8493.6	7706.0
60°	4381.9	4560.5	5161.7	6480.2	7693.3	8793.2	9451.0	9636.4	9499.7	9030.3	7939.2
62.5°	3057.6	3264.5	3833.5	5619.4	7133.1	8678.0	9820.8	10163.4	10059.9	9510.5	8029.0
65°	1865.0	1931.4	2390.1	4422.0	6180.6	8195.9	9935.0	10448.4	10414.2	9804.2	7896.3
67.5°	1242.4	1298.0	1429.7	3032.2	4797.7	7232.7	9661.8	10398.6	10408.3	9756.4	7410.3
70°	748.5	796.4	882.2	1763.5	3109.3	5724.8	8815.6	9764.2	9820.8	9117.2	6489.0
72.5°	308.4	340.6	418.7	799.3	1610.3	3633.4	7019.9	8383.3	8515.0	7666.0	4980.2
75°	174.7	191.3	245.9	401.1	698.8	1693.2	4252.1	5951.2	6145.5	5283.7	2996.1
77.5°	116.1	123.9	159.1	259.6	393.3	577.8	1817.2	3100.5	3471.4	2885.8	1297.0
80°	78.1	84.9	109.3	173.7	255.7	247.9	578.7	1148.7	1413.2	991.5	316.2
82.5°	52.7	53.7	78.1	114.2	162.0	120.0	170.8	357.2	448.9	286.9	120.0
85°	30.3	29.3	57.6	66.4	72.2	49.8	51.7	107.4	140.5	121.0	68.3
87.5°	3.9	5.9	22.4	17.6	9.8	10.7	10.7	18.5	27.3	29.3	14.6
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°	1693.2	1693.2	1693.2	1693.2	1693.2	1693.2	1693.2	1693.2	1693.2	1693.2	1693.2
2.5°	1695.2	1694.2	1691.3	1688.4	1681.5	1677.6	1679.6	1677.6	1676.7	1677.6	1681.5
5°	1707.9	1705.0	1697.2	1687.4	1673.7	1657.1	1646.4	1630.8	1616.1	1607.4	1609.3
7.5°	1742.0	1739.1	1728.4	1701.1	1657.1	1587.8	1524.4	1468.8	1426.8	1402.4	1403.4
10°	1796.7	1791.8	1775.2	1714.7	1599.6	1448.3	1322.4	1218.0	1149.7	1117.4	1114.5
12.5°	1861.1	1855.3	1826.0	1702.0	1490.3	1254.1	1080.4	964.2	900.8	872.5	869.6
15°	1937.2	1929.4	1871.8	1641.5	1331.2	1039.4	880.3	793.4	752.4	727.1	728.0
17.5°	2031.9	2018.2	1906.0	1550.8	1158.4	875.4	757.3	691.9	655.8	631.4	629.5
20°	2154.9	2132.4	1933.3	1442.4	999.4	772.0	674.4	619.7	592.4	570.9	567.0
22.5°	2326.6	2294.4	1966.5	1325.3	887.1	700.7	612.9	572.9	550.4	526.0	522.1
25°	2539.4	2501.3	2007.5	1217.0	810.0	639.2	568.0	534.8	508.5	480.2	477.2
27.5°	2837.0	2768.7	2056.3	1128.2	743.7	586.5	527.0	489.9	459.7	436.2	431.4
30°	3168.9	3056.6	2099.2	1074.5	683.2	537.7	473.3	436.2	407.9	391.3	388.4
32.5°	3483.1	3330.9	2127.5	1051.1	628.5	482.1	414.8	374.8	353.3	348.4	351.3
35°	3779.8	3578.8	2124.6	1028.6	579.7	426.5	357.2	316.2	299.6	302.5	302.5
37.5°	4121.4	3843.2	2104.1	993.5	539.7	375.7	307.4	271.3	256.7	257.6	261.6
40°	4518.6	4148.7	2091.4	927.1	495.8	328.9	266.4	237.2	226.4	222.5	221.5
42.5°	4942.1	4444.4	2093.4	852.0	441.1	286.9	238.1	213.7	204.0	201.0	200.1
45°	5367.6	4726.5	2096.3	773.9	383.5	254.7	217.6	197.1	191.3	187.4	187.4
47.5°	5767.8	4966.5	2041.7	690.0	326.9	230.3	201.0	187.4	182.5	177.6	177.6
50°	6140.6	5126.6	1909.9	592.4	282.0	210.8	188.4	178.6	173.7	168.8	168.8
52.5°	6430.4	5152.0	1692.3	491.9	250.8	196.2	180.5	171.8	165.9	161.0	160.1
55°	6559.3	4992.9	1382.9	398.2	226.4	183.5	172.7	164.0	157.1	152.2	151.3
57.5°	6526.1	4658.1	1078.4	320.1	203.0	170.8	163.0	157.1	149.3	141.5	140.5
60°	6363.1	4210.2	813.0	266.4	181.5	157.1	152.2	147.4	136.6	124.9	123.0
62.5°	6081.0	3647.1	579.7	220.6	158.1	141.5	139.6	135.7	120.0	98.6	96.6
65°	5649.7	2962.9	390.4	183.5	135.7	123.9	124.9	118.1	97.6	73.2	71.2
67.5°	5019.2	2166.6	249.8	150.3	113.2	103.4	104.4	100.5	83.0	62.5	59.5
70°	4216.0	1434.6	163.0	114.2	90.8	80.0	85.9	86.9	70.3	50.7	48.8
72.5°	3090.8	847.1	114.2	84.9	66.4	55.6	70.3	72.2	56.6	38.1	36.1
75°	1761.6	402.1	85.9	61.5	41.0	39.0	54.7	54.7	39.0	25.4	23.4
77.5°	739.8	167.9	60.5	40.0	23.4	22.4	37.1	34.2	19.5	11.7	11.7
80°	213.7	75.1	32.2	19.5	9.8	8.8	14.6	10.7	4.9	2.0	2.0
82.5°	83.9	33.2	12.7	7.8	3.9	3.9	2.0	0.0	0.0	0.0	0.0
85°	49.8	13.7	5.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.7	2.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)