

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: P948734

Luminaire Tested: **GALN-SB3C-940-U-T4W-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948734  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3C-940-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

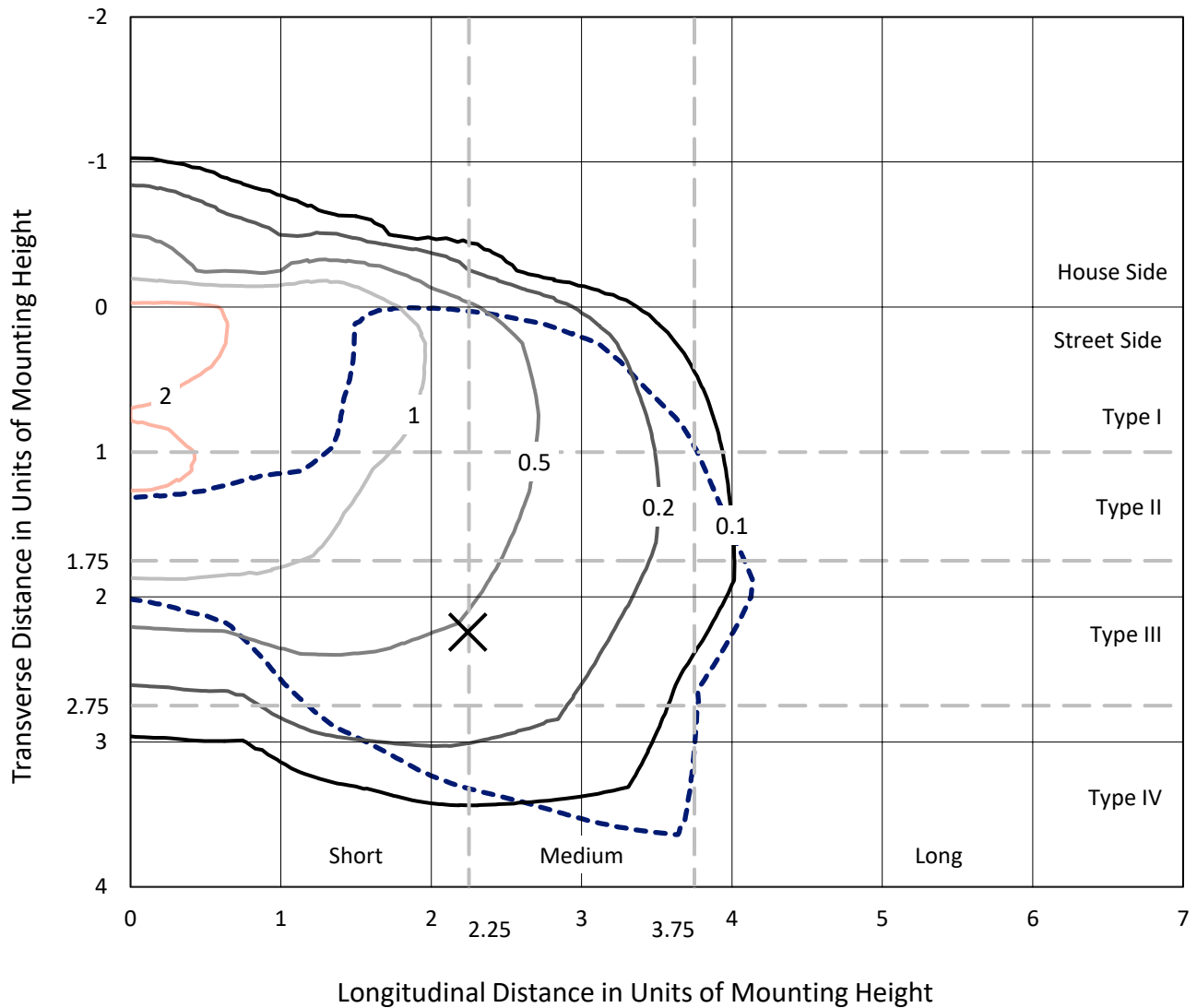
Lumens per Lamp: N/A  
Luminaire Lumens: 12542 lumens  
Efficiency: N/A  
Efficacy: 84.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

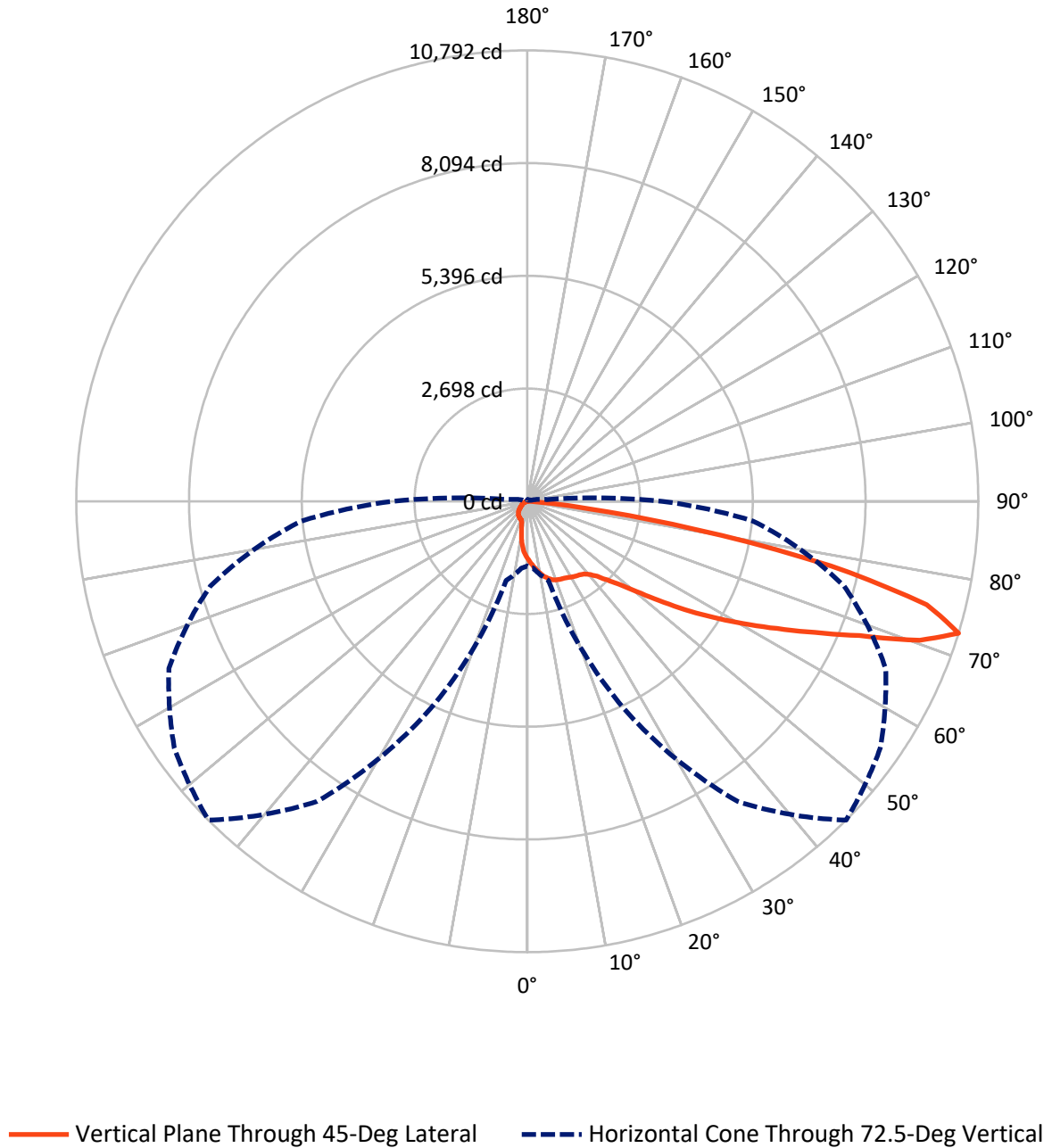
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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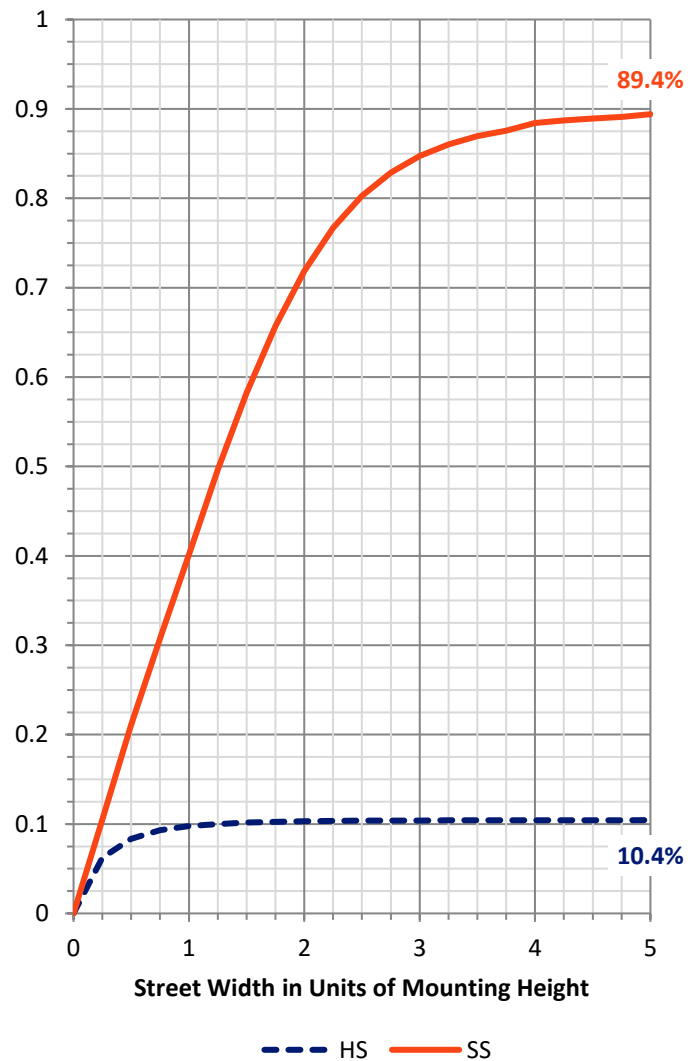
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1317.8	0.0	1317.8
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	11224.2	0.0	11224.2
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	12542.0	0.0	12542.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.5	1.0
10°-20°	378.4	3.0
20°-30°	621.3	5.0
30°-40°	881.2	7.0
40°-50°	1456.5	11.6
50°-60°	2616.4	20.9
60°-70°	3633.0	29.0
70°-80°	2635.3	21.0
80°-90°	190.5	1.5
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°	12542.0	100.0
0°-180°	12542.0	100.0

**Coefficient of Utilization**



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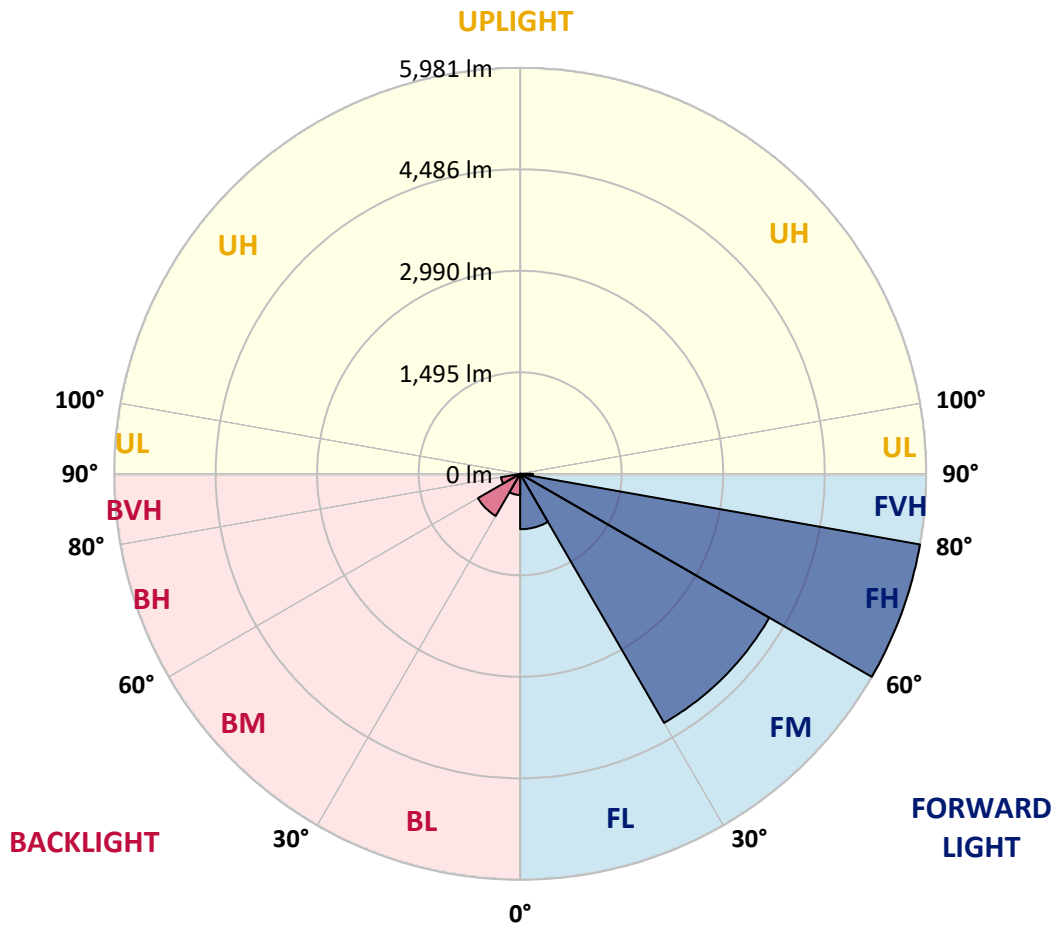
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	817.0	6.5			
FM (30°-60°)	4237.4	33.8			
FH (60°-80°)	5980.9	47.7			G3/7500
FVH (80°-90°)	188.9	1.5			G2/225
BL (0°-30°)	312.1	2.5	B1/500		
BM (30°-60°)	716.7	5.7	B1/1000		
BH (60°-80°)	287.4	2.3	B1/500		G1/500
BVH (80°-90°)	1.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	1374.0	1374.0	1374.0	1374.0	1374.0	1374.0	1374.0	1374.0	1374.0	1374.0
2.5°	1500.7	1503.3	1501.6	1491.3	1474.2	1464.7	1459.6	1442.5	1431.4	1411.7
5°	1638.5	1648.8	1642.8	1622.3	1589.7	1566.6	1559.8	1524.7	1493.0	1456.2
7.5°	1784.9	1790.1	1778.9	1752.4	1708.7	1669.3	1663.4	1614.6	1564.1	1507.6
10°	1911.6	1917.6	1900.5	1862.0	1812.3	1763.5	1755.0	1701.0	1641.1	1571.8
12.5°	2017.8	2023.8	2001.5	1955.3	1900.5	1850.0	1841.4	1784.9	1719.0	1642.0
15°	2098.2	2109.4	2079.4	2029.8	1970.7	1920.2	1915.9	1860.3	1796.0	1710.4
17.5°	2145.3	2156.5	2128.2	2068.3	2017.8	1975.0	1969.8	1923.6	1863.7	1781.5
20°	2153.0	2163.3	2133.3	2081.1	2039.2	2004.9	2002.4	1969.0	1925.3	1846.6
22.5°	2129.9	2142.8	2115.4	2073.4	2044.3	2026.3	2022.9	2004.1	1979.2	1912.5
25°	2105.9	2116.2	2095.7	2058.9	2043.5	2041.7	2044.3	2040.9	2035.7	1979.2
27.5°	2104.2	2115.4	2092.3	2057.2	2048.6	2066.6	2069.1	2085.4	2089.7	2040.0
30°	2118.8	2126.5	2104.2	2067.4	2063.1	2104.2	2105.1	2134.2	2141.0	2091.4
32.5°	2150.5	2159.0	2136.8	2082.8	2076.8	2134.2	2136.8	2175.3	2186.4	2146.2
35°	2224.9	2235.2	2209.5	2125.6	2104.2	2162.4	2170.2	2215.5	2237.8	2204.4
37.5°	2410.7	2380.7	2345.6	2212.1	2166.7	2207.0	2219.8	2272.9	2312.3	2273.7
40°	2872.1	2778.0	2668.4	2359.3	2276.3	2302.0	2312.3	2365.3	2419.3	2381.6
42.5°	3564.7	3453.4	3277.1	2698.4	2441.5	2454.4	2462.1	2508.3	2584.5	2554.5
45°	4181.9	4141.7	3961.9	3277.1	2750.6	2687.2	2696.6	2720.6	2832.8	2821.6
47.5°	4656.2	4633.1	4494.4	3941.4	3272.8	2972.3	2998.8	3010.0	3171.8	3211.1
50°	5020.9	5012.3	4888.2	4532.1	3955.1	3392.6	3402.0	3378.1	3620.3	3717.9
52.5°	5365.0	5394.1	5302.5	5080.8	4683.6	3943.1	3941.4	3828.4	4155.4	4302.6
55°	5675.8	5686.1	5695.5	5640.7	5416.4	4569.7	4553.5	4368.6	4776.1	4928.4
57.5°	5967.7	5972.0	6055.9	6168.0	6179.2	5242.6	5212.6	4990.9	5454.1	5562.8
60°	6163.8	6183.4	6360.6	6672.3	6808.4	5936.9	5920.6	5694.6	6144.1	6194.6
62.5°	5881.2	6001.1	6448.0	7066.1	7402.5	6706.5	6698.8	6486.5	6870.0	6828.9
65°	4760.6	4963.5	5749.4	7332.3	7985.5	7566.0	7577.1	7351.1	7615.7	7482.1
67.5°	3330.1	3544.2	4473.9	7353.7	8637.0	8575.3	8639.5	8285.1	8407.5	8107.9
70°	2302.8	2413.3	3018.5	6893.1	9144.6	9965.6	9963.9	9432.3	9195.1	8393.0
72.5°	1548.6	1606.0	1960.4	5468.6	8771.4	10791.7	10742.0	10308.9	9460.5	7849.4
75°	653.2	695.1	907.4	3073.3	6939.4	9873.1	9738.7	9110.4	8405.8	6180.9
77.5°	207.2	225.1	357.8	1100.1	3822.4	7421.3	7279.2	5689.5	5633.8	3100.7
80°	98.4	114.7	201.2	441.7	1504.1	4036.4	4016.7	2581.1	2423.6	837.2
82.5°	42.8	50.5	111.3	236.3	672.9	1439.9	1469.0	878.3	726.8	317.6
85°	13.7	18.0	51.4	108.7	284.2	357.8	353.6	208.9	292.8	172.9
87.5°	0.0	0.0	17.1	24.8	29.1	20.5	23.1	18.0	81.3	47.9
90°	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):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1374.0	0°	1374.0	1374.0	1374.0	1374.0	1374.0	1374.0	1374.0	1374.0	1374.0	1374.0
1391.1	2.5°	1380.9	1367.2	1343.2	1320.9	1301.2	1281.5	1269.6	1252.4	1250.7	1250.7
1413.4	5°	1390.3	1368.0	1325.2	1279.8	1227.6	1178.0	1128.3	1080.4	1065.0	1053.8
1449.3	7.5°	1417.7	1382.6	1314.9	1228.5	1129.2	1020.4	944.3	862.1	830.4	813.3
1497.3	10°	1457.0	1409.1	1306.4	1154.8	993.9	845.8	737.1	648.0	613.8	599.3
1549.5	12.5°	1500.7	1441.6	1291.0	1063.2	845.8	668.6	562.4	521.4	516.2	516.2
1612.0	15°	1552.9	1481.0	1264.4	955.4	690.9	529.1	491.4	493.1	498.2	501.7
1672.8	17.5°	1606.9	1523.0	1222.5	834.7	553.9	476.0	476.8	479.4	483.7	487.1
1738.7	20°	1665.1	1564.9	1166.8	706.3	475.1	460.6	463.1	465.7	469.1	470.8
1800.3	22.5°	1727.6	1604.3	1100.9	580.4	448.6	447.7	448.6	451.2	455.4	455.4
1872.2	25°	1794.3	1647.9	1025.6	488.8	434.9	434.9	436.6	438.3	441.7	441.7
1941.6	27.5°	1862.8	1688.2	946.0	440.9	422.9	422.0	422.0	424.6	426.3	427.2
2010.1	30°	1938.2	1735.3	866.3	430.6	413.5	409.2	406.6	408.3	410.1	410.9
2082.0	32.5°	2015.2	1780.6	795.3	434.9	404.1	396.4	387.8	386.1	386.1	389.5
2156.5	35°	2100.8	1830.3	740.5	449.4	398.9	377.5	363.8	356.1	357.0	362.1
2245.5	37.5°	2203.5	1890.2	700.3	462.3	395.5	356.1	333.9	324.5	318.5	324.5
2367.9	40°	2337.9	1978.4	671.2	472.6	391.2	331.3	301.3	285.9	274.8	278.2
2558.0	42.5°	2535.7	2117.1	660.0	473.4	381.8	302.2	268.0	247.4	231.1	232.0
2843.9	45°	2813.1	2336.2	717.4	462.3	361.3	270.5	232.9	205.5	195.2	192.6
3271.1	47.5°	3193.2	2655.5	850.1	439.2	331.3	239.7	198.6	175.5	167.8	163.5
3831.8	50°	3702.5	3065.6	997.3	413.5	301.3	210.6	170.4	155.8	150.7	146.4
4497.0	52.5°	4293.2	3481.7	1118.0	387.8	271.4	184.9	152.4	143.8	139.5	136.1
5139.0	55°	4835.1	3768.4	1111.2	360.4	242.3	164.4	139.5	134.4	129.3	125.8
5692.1	57.5°	5172.4	3808.7	916.0	330.4	208.9	148.1	127.6	124.1	118.1	113.9
6170.6	60°	5327.4	3579.3	642.1	291.1	175.5	132.7	114.7	113.0	105.3	99.3
6623.5	62.5°	5355.6	3152.9	428.0	242.3	146.4	118.1	101.9	99.3	89.0	78.8
6991.6	65°	5240.9	2543.4	296.2	189.2	125.0	102.7	87.3	82.2	71.1	60.8
7078.9	67.5°	4877.9	1785.8	206.3	136.1	106.2	81.3	69.3	67.6	59.1	50.5
6633.7	70°	4212.8	1017.9	137.8	101.9	83.9	55.6	54.8	56.5	47.9	41.1
5419.8	72.5°	3230.0	465.7	85.6	74.5	57.4	37.7	43.7	44.5	36.8	30.8
3381.5	75°	1901.3	199.5	53.9	47.9	29.1	24.8	31.7	32.5	24.8	19.7
1236.2	77.5°	647.2	75.3	34.2	28.3	14.6	13.7	20.5	20.5	13.7	7.7
248.3	80°	147.2	28.3	17.1	11.1	6.8	6.0	6.8	6.0	3.4	0.9
76.2	82.5°	41.9	11.1	6.8	4.3	2.6	2.6	0.9	0.0	0.0	0.0
26.5	85°	12.0	5.1	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
9.4	87.5°	5.1	0.9	0.0	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

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<u>180°</u>
1374.0
1255.0
1059.0
815.8
599.3
516.2
501.7
487.1
471.7
457.1
442.6
428.0
412.6
392.1
364.7
322.7
276.5
228.6
189.2
160.9
145.5
135.3
124.1
113.0
97.6
73.6
57.4
47.9
37.7
27.4
17.1
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