

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: P948146

Luminaire Tested: **GALN-SB3B-740-U-T4W-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948146  
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-SB3B-740-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

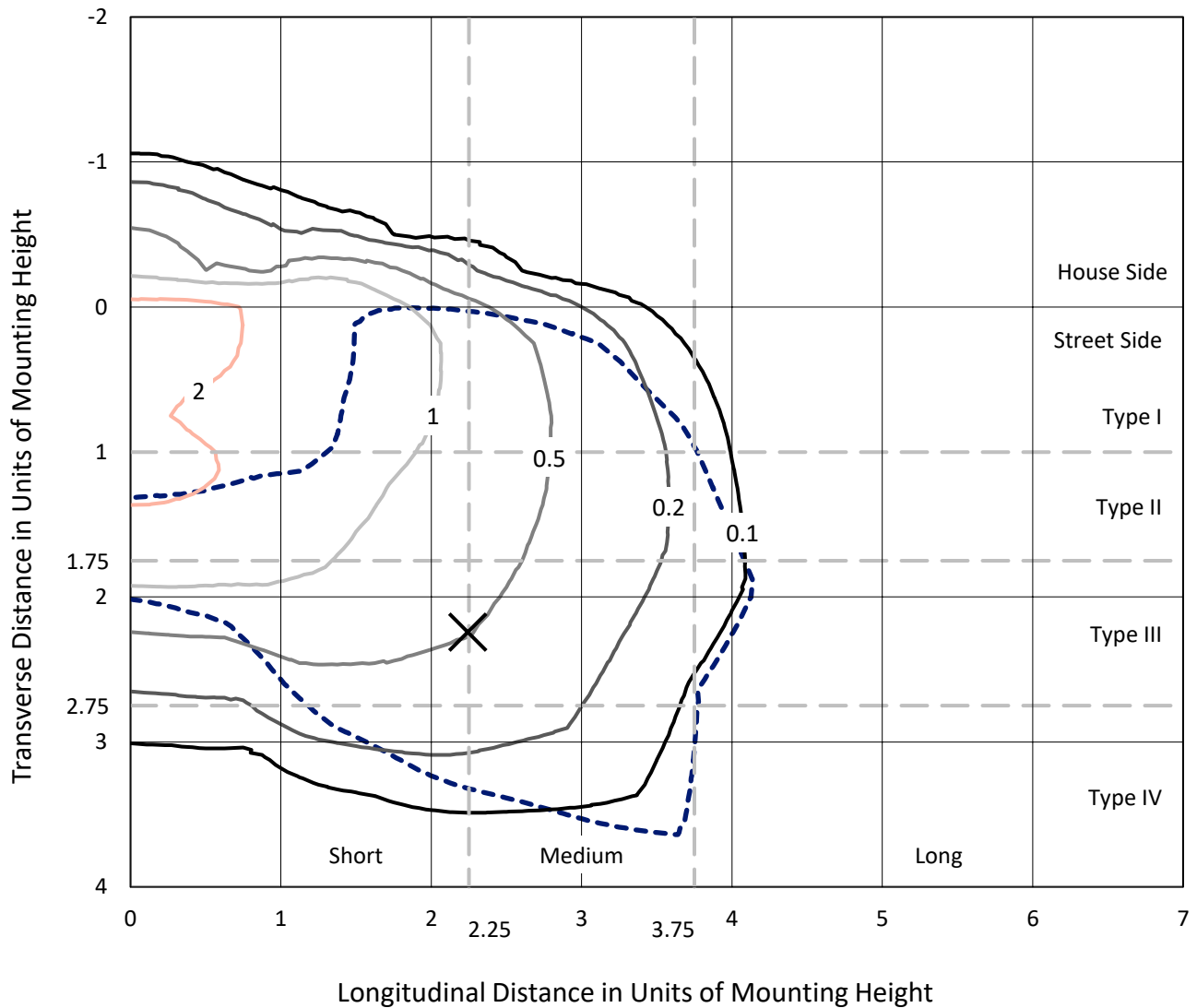
Lumens per Lamp: N/A  
Luminaire Lumens: 13769 lumens  
Efficiency: N/A  
Efficacy: 126.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

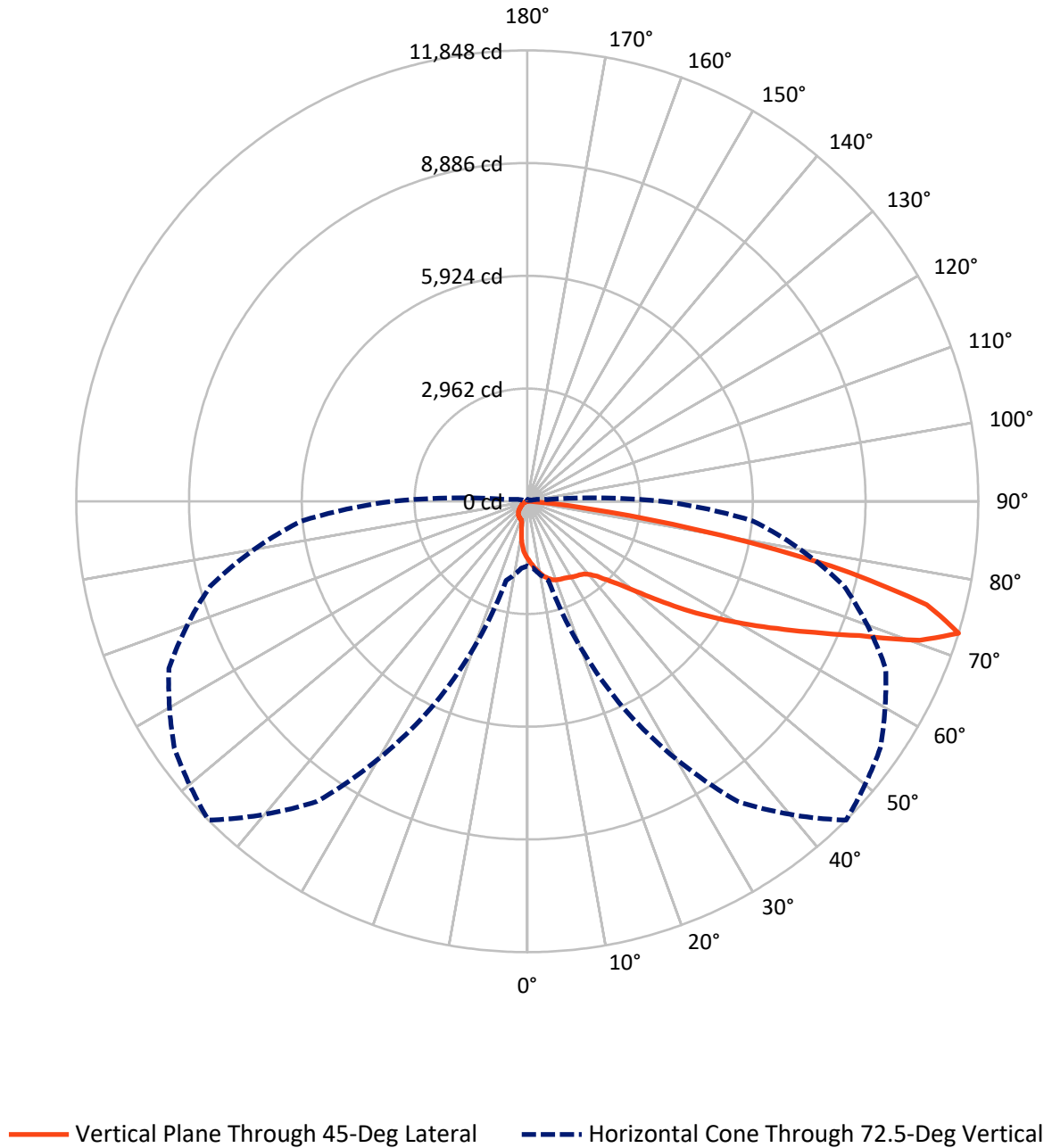
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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	1446.7	0.0	1446.7
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	12322.3	0.0	12322.3
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	13769.0	0.0	13769.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.1	1.0
10°-20°	415.4	3.0
20°-30°	682.1	5.0
30°-40°	967.4	7.0
40°-50°	1599.0	11.6
50°-60°	2872.4	20.9
60°-70°	3988.4	29.0
70°-80°	2893.1	21.0
80°-90°	209.2	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°	13769.0	100.0
0°-180°	13769.0	100.0

**Coefficient of Utilization**



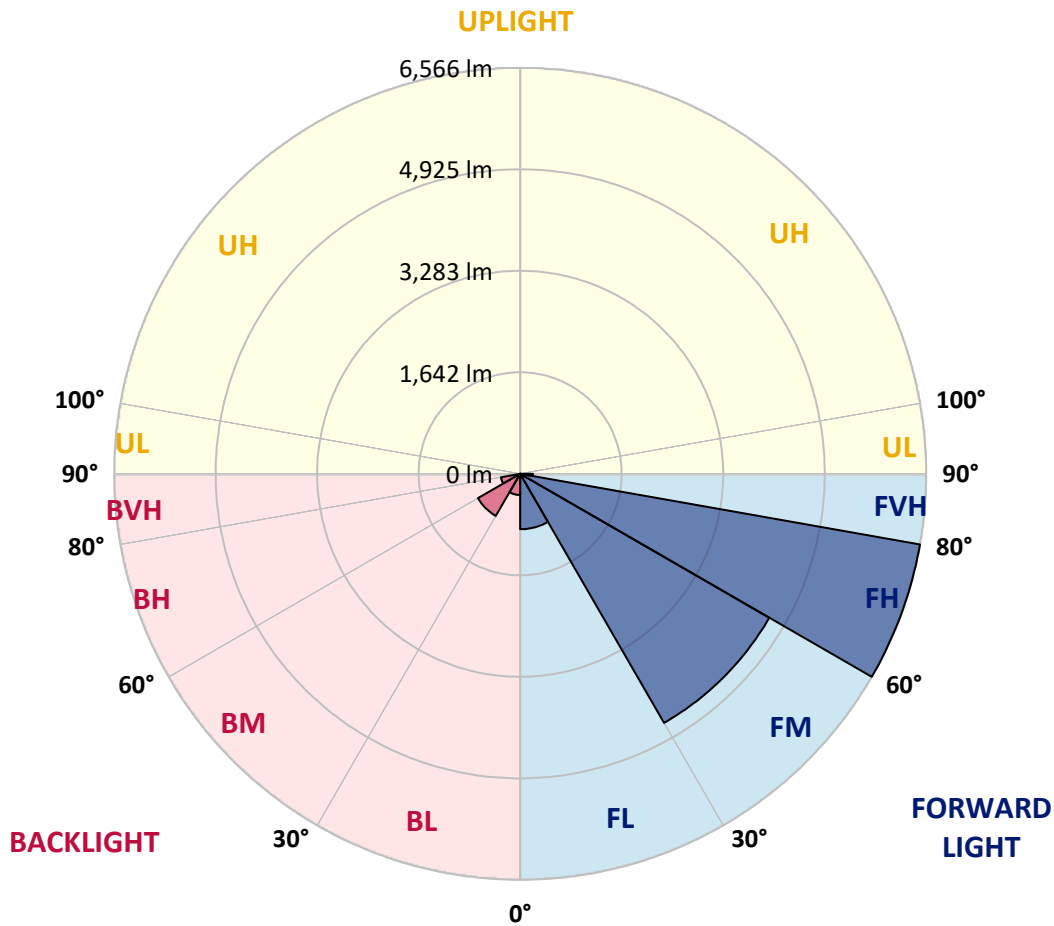
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	896.9	6.5			
FM (30°-60°)	4651.9	33.8			
FH (60°-80°)	6566.0	47.7			G3/7500
FVH (80°-90°)	207.4	1.5			G2/225
BL (0°-30°)	342.7	2.5	B1/500		
BM (30°-60°)	786.8	5.7	B1/1000		
BH (60°-80°)	315.5	2.3	B1/500		G1/500
BVH (80°-90°)	1.8	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°	1508.4	1508.4	1508.4	1508.4	1508.4	1508.4	1508.4	1508.4	1508.4	1508.4
2.5°	1647.5	1650.3	1648.5	1637.2	1618.4	1608.0	1602.4	1583.6	1571.4	1549.8
5°	1798.8	1810.1	1803.5	1781.0	1745.3	1719.9	1712.4	1673.8	1639.1	1598.6
7.5°	1959.5	1965.2	1953.0	1923.8	1875.9	1832.7	1826.1	1772.5	1717.1	1655.0
10°	2098.6	2105.2	2086.4	2044.1	1989.6	1936.0	1926.6	1867.4	1801.6	1725.5
12.5°	2215.2	2221.8	2197.3	2146.6	2086.4	2031.0	2021.6	1959.5	1887.2	1802.6
15°	2303.5	2315.7	2282.8	2228.3	2163.5	2108.0	2103.3	2042.2	1971.8	1877.8
17.5°	2355.2	2367.4	2336.4	2270.6	2215.2	2168.2	2162.5	2111.8	2046.0	1955.8
20°	2363.7	2374.9	2342.1	2284.7	2238.7	2201.1	2198.3	2161.6	2113.7	2027.2
22.5°	2338.3	2352.4	2322.3	2276.3	2244.3	2224.6	2220.8	2200.1	2172.9	2099.6
25°	2312.0	2323.3	2300.7	2260.3	2243.4	2241.5	2244.3	2240.5	2234.9	2172.9
27.5°	2310.1	2322.3	2296.9	2258.4	2249.0	2268.7	2271.6	2289.4	2294.1	2239.6
30°	2326.1	2334.5	2310.1	2269.7	2265.0	2310.1	2311.0	2343.0	2350.5	2296.0
32.5°	2360.8	2370.2	2345.8	2286.6	2280.0	2343.0	2345.8	2388.1	2400.3	2356.1
35°	2442.6	2453.9	2425.7	2333.6	2310.1	2374.0	2382.5	2432.3	2456.7	2420.1
37.5°	2646.6	2613.7	2575.1	2428.5	2378.7	2422.9	2437.0	2495.2	2538.5	2496.2
40°	3153.1	3049.7	2929.4	2590.2	2499.0	2527.2	2538.5	2596.7	2656.0	2614.6
42.5°	3913.4	3791.3	3597.7	2962.3	2680.4	2694.5	2702.9	2753.7	2837.3	2804.4
45°	4591.1	4546.9	4349.5	3597.7	3019.7	2950.1	2960.5	2986.8	3109.9	3097.7
47.5°	5111.7	5086.3	4934.1	4327.0	3593.0	3263.1	3292.2	3304.4	3482.1	3525.3
50°	5512.1	5502.7	5366.4	4975.4	4342.0	3724.5	3734.9	3708.6	3974.5	4081.7
52.5°	5889.9	5921.9	5821.3	5577.9	5141.8	4328.8	4327.0	4202.9	4561.9	4723.6
55°	6231.1	6242.3	6252.7	6192.5	5946.3	5016.8	4998.9	4795.9	5243.3	5410.6
57.5°	6551.5	6556.2	6648.3	6771.5	6783.7	5755.5	5722.6	5479.2	5987.6	6107.0
60°	6766.8	6788.4	6982.9	7325.0	7474.4	6517.7	6499.8	6251.7	6745.1	6800.6
62.5°	6456.6	6588.2	7078.8	7757.3	8126.7	7362.6	7354.2	7121.1	7542.1	7497.0
65°	5226.4	5449.1	6311.9	8049.6	8766.7	8306.2	8318.4	8070.3	8360.7	8214.1
67.5°	3655.9	3890.9	4911.5	8073.1	9481.9	9414.3	9484.7	9095.7	9230.0	8901.1
70°	2528.1	2649.4	3313.8	7567.5	10039.2	10940.5	10938.7	10355.0	10094.7	9214.1
72.5°	1700.1	1763.1	2152.2	6003.6	9629.5	11847.5	11793.0	11317.4	10386.0	8617.3
75°	717.1	763.1	996.2	3374.0	7618.2	10839.0	10691.5	10001.6	9228.2	6785.6
77.5°	227.4	247.2	392.8	1207.7	4196.3	8147.4	7991.4	6246.1	6185.0	3404.1
80°	108.1	125.9	220.9	485.0	1651.3	4431.3	4409.7	2833.6	2660.7	919.2
82.5°	47.0	55.4	122.2	259.4	738.7	1580.8	1612.7	964.3	797.9	348.7
85°	15.0	19.7	56.4	119.4	312.0	392.8	388.1	229.3	321.4	189.8
87.5°	0.0	0.0	18.8	27.3	32.0	22.6	25.4	19.7	89.3	52.6
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°
1508.4	0°	1508.4	1508.4	1508.4	1508.4	1508.4	1508.4	1508.4	1508.4	1508.4	1508.4
1527.2	2.5°	1515.9	1500.9	1474.6	1450.2	1428.5	1406.9	1393.8	1375.0	1373.1	1373.1
1551.7	5°	1526.3	1501.8	1454.9	1405.0	1347.7	1293.2	1238.7	1186.1	1169.1	1156.9
1591.1	7.5°	1556.4	1517.8	1443.6	1348.7	1239.6	1120.3	1036.6	946.4	911.6	892.8
1643.8	10°	1599.6	1547.0	1434.2	1267.8	1091.1	928.5	809.2	711.4	673.9	657.9
1701.1	12.5°	1647.5	1582.7	1417.3	1167.3	928.5	734.0	617.5	572.4	566.7	566.7
1769.7	15°	1704.8	1625.9	1388.1	1048.8	758.4	580.8	539.5	541.3	547.0	550.7
1836.4	17.5°	1764.1	1672.0	1342.1	916.3	608.1	522.5	523.5	526.3	531.0	534.8
1908.8	20°	1828.0	1718.0	1281.0	775.4	521.6	505.6	508.4	511.3	515.0	516.9
1976.5	22.5°	1896.6	1761.2	1208.6	637.2	492.5	491.5	492.5	495.3	500.0	500.0
2055.4	25°	1969.9	1809.2	1125.9	536.6	477.4	477.4	479.3	481.2	485.0	485.0
2131.5	27.5°	2045.1	1853.3	1038.5	484.0	464.3	463.3	463.3	466.2	468.0	469.0
2206.7	30°	2127.8	1905.0	951.1	472.7	453.9	449.2	446.4	448.3	450.2	451.1
2285.7	32.5°	2212.4	1954.8	873.1	477.4	443.6	435.1	425.7	423.9	423.9	427.6
2367.4	35°	2306.3	2009.4	813.0	493.4	438.0	414.5	399.4	391.0	391.9	397.5
2465.2	37.5°	2419.1	2075.1	768.8	507.5	434.2	391.0	366.5	356.2	349.6	356.2
2599.6	40°	2566.7	2171.9	736.8	518.8	429.5	363.7	330.8	313.9	301.7	305.4
2808.2	42.5°	2783.8	2324.2	724.6	519.7	419.2	331.8	294.2	271.6	253.8	254.7
3122.1	45°	3088.3	2564.8	787.6	507.5	396.6	297.0	255.6	225.6	214.3	211.5
3591.1	47.5°	3505.6	2915.3	933.2	482.1	363.7	263.2	218.0	192.7	184.2	179.5
4206.7	50°	4064.8	3365.5	1094.9	453.9	330.8	231.2	187.0	171.0	165.4	160.7
4936.9	52.5°	4713.2	3822.3	1227.4	425.7	297.9	203.0	167.3	157.9	153.2	149.4
5641.8	55°	5308.1	4137.1	1219.9	395.7	266.0	180.4	153.2	147.6	141.9	138.2
6248.9	57.5°	5678.4	4181.3	1005.6	362.8	229.3	162.6	140.0	136.3	129.7	125.0
6774.3	60°	5848.5	3929.4	704.9	319.5	192.7	145.7	125.9	124.1	115.6	109.0
7271.4	62.5°	5879.6	3461.4	469.9	266.0	160.7	129.7	111.8	109.0	97.7	86.5
7675.6	65°	5753.6	2792.2	325.2	207.7	137.2	112.8	95.9	90.2	78.0	66.7
7771.4	67.5°	5355.1	1960.5	226.5	149.4	116.5	89.3	76.1	74.2	64.8	55.4
7282.7	70°	4624.9	1117.5	151.3	111.8	92.1	61.1	60.1	62.0	52.6	45.1
5950.0	72.5°	3546.0	511.3	94.0	81.8	63.0	41.4	47.9	48.9	40.4	33.8
3712.3	75°	2087.4	219.0	59.2	52.6	32.0	27.3	34.8	35.7	27.3	21.6
1357.1	77.5°	710.5	82.7	37.6	31.0	16.0	15.0	22.6	22.6	15.0	8.5
272.5	80°	161.7	31.0	18.8	12.2	7.5	6.6	7.5	6.6	3.8	0.9
83.6	82.5°	46.1	12.2	7.5	4.7	2.8	2.8	0.9	0.0	0.0	0.0
29.1	85°	13.2	5.6	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
10.3	87.5°	5.6	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>
1508.4
1377.8
1162.6
895.7
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566.7
550.7
534.8
517.8
501.9
485.9
469.9
453.0
430.4
400.4
354.3
303.6
250.9
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176.7
159.8
148.5
136.3
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