

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: P952321

Luminaire Tested: **GALN-SB6A-950-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-950-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14462 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

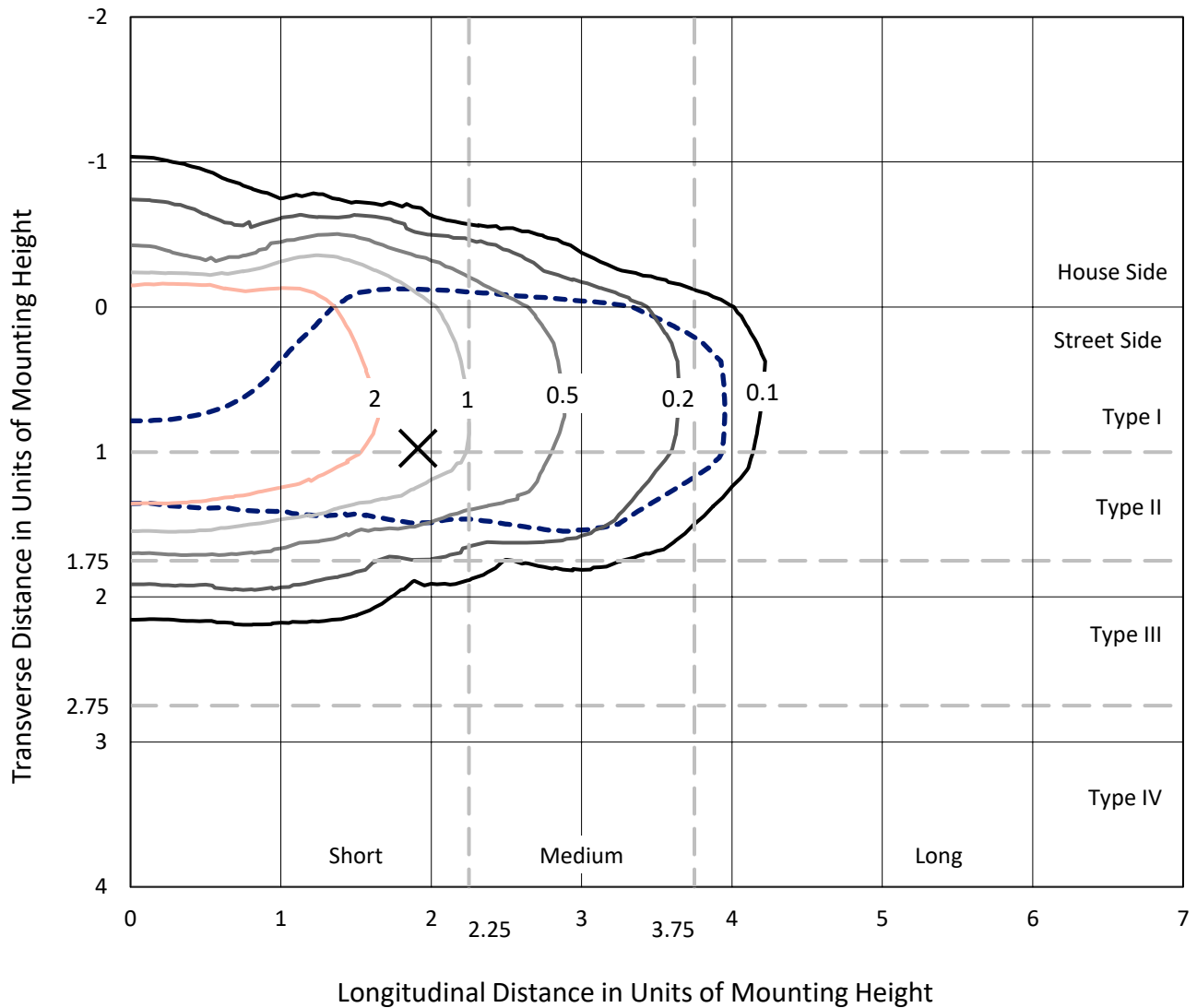
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

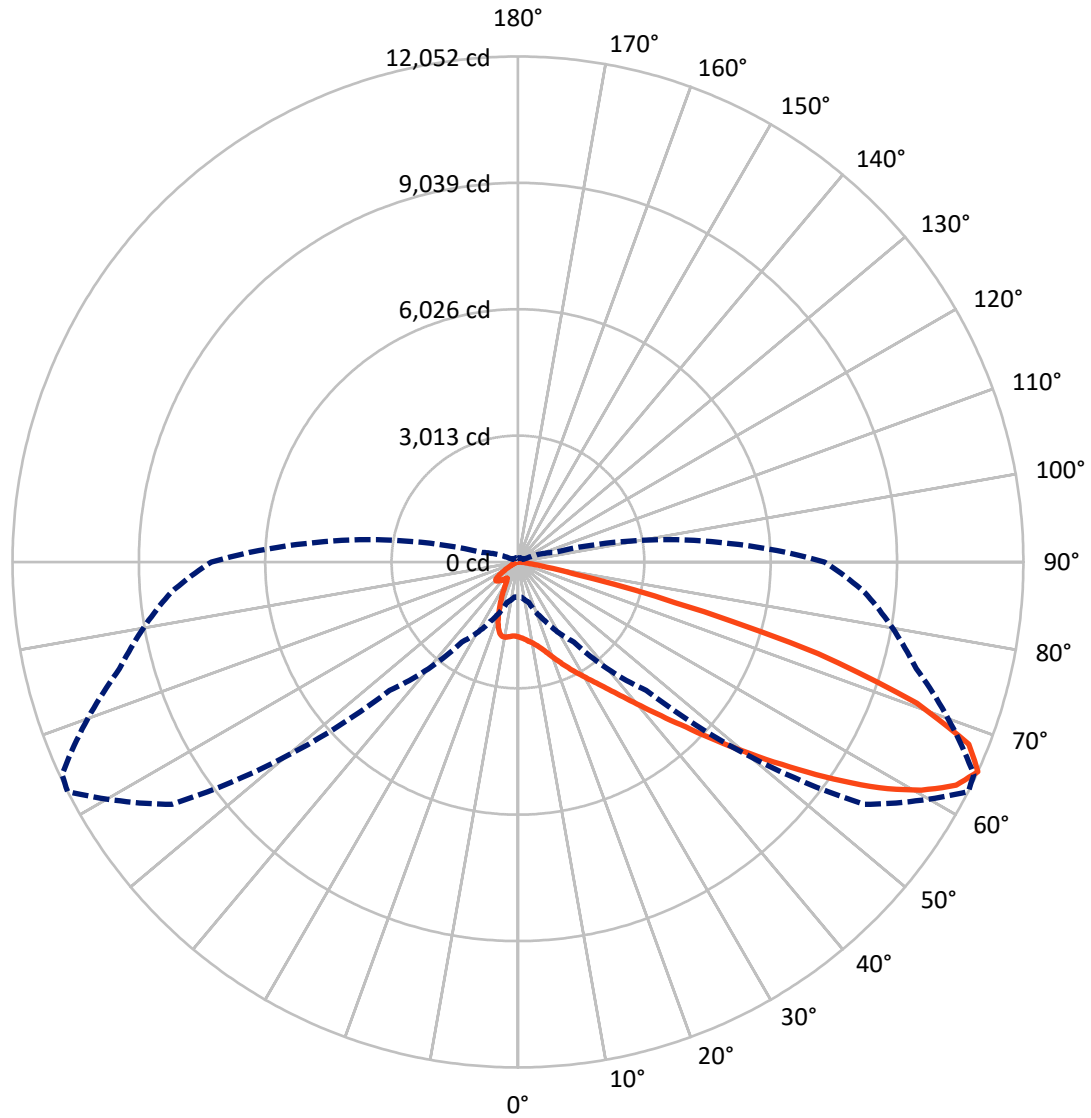
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2125.8	0.0	2125.8
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	12336.2	0.0	12336.2
	% Fixture	85.3	0.0	85.3
Total	Lumens	14462.0	0.0	14462.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.2	1.2
10°-20°	466.6	3.2
20°-30°	812.5	5.6
30°-40°	1464.4	10.1
40°-50°	2904.4	20.1
50°-60°	3956.3	27.4
60°-70°	3157.9	21.8
70°-80°	1429.0	9.9
80°-90°	102.7	0.7
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°	14462.0	100.0
0°-180°	14462.0	100.0

Coefficient of Utilization



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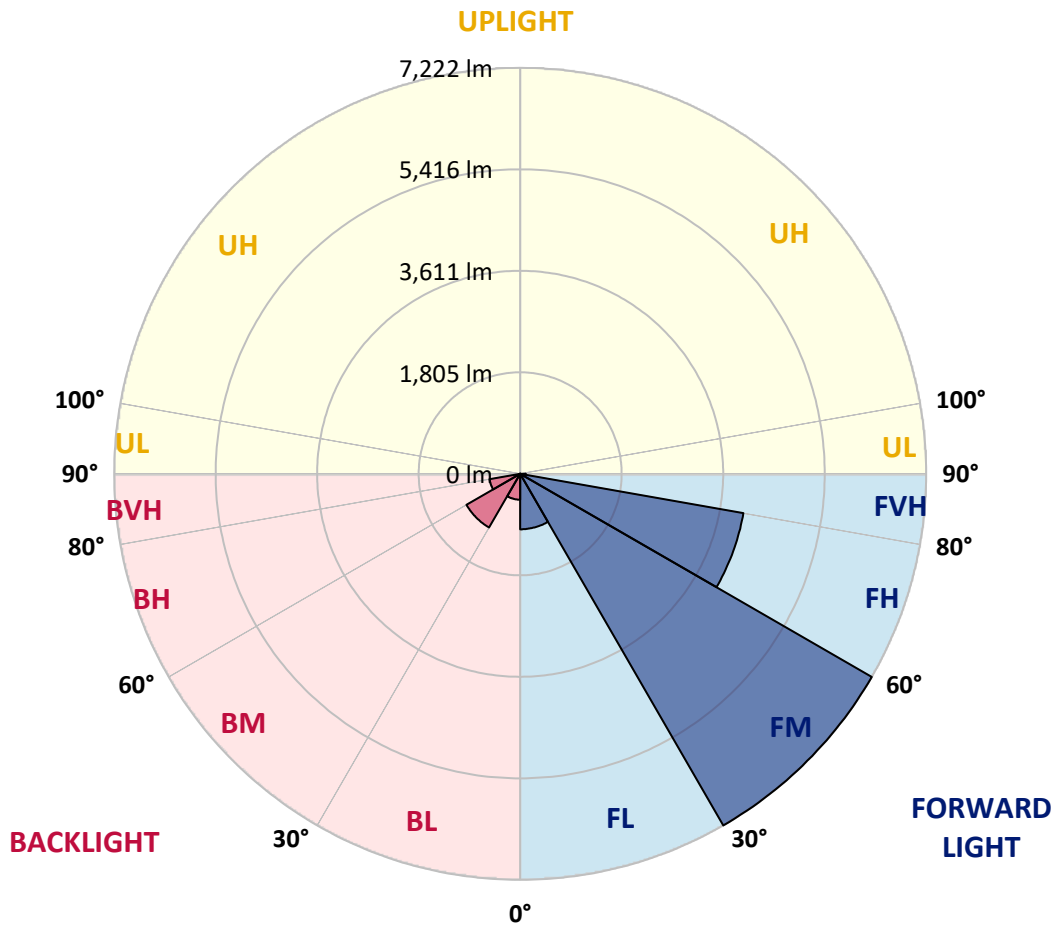
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	987.2	6.8			
FM (30°-60°)	7222.0	49.9			
FH (60°-80°)	4031.9	27.9			G2/5000
FVH (80°-90°)	95.1	0.7			G1/100
BL (0°-30°)	460.1	3.2	B1/500		
BM (30°-60°)	1103.2	7.6	B2/2500		
BH (60°-80°)	555.0	3.8	B2/1000		G2/1000
BVH (80°-90°)	7.6	0.1			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	1784.9	1784.9	1784.9	1784.9	1784.9	1784.9	1784.9	1784.9	1784.9	1784.9
2.5°	1826.7	1821.7	1828.7	1825.7	1823.7	1819.7	1817.7	1815.7	1811.7	1808.8
5°	1831.6	1828.7	1835.6	1841.6	1847.6	1853.5	1856.5	1860.5	1856.5	1848.6
7.5°	1789.9	1787.9	1802.8	1820.7	1847.6	1870.4	1895.3	1909.2	1910.2	1907.3
10°	1786.9	1781.9	1796.8	1818.7	1853.5	1894.3	1938.1	1967.9	1971.9	1984.9
12.5°	1833.6	1828.7	1849.6	1873.4	1909.2	1952.0	2005.8	2047.5	2053.5	2071.4
15°	1912.2	1905.3	1929.1	1960.0	2005.8	2054.5	2111.2	2149.0	2154.0	2175.9
17.5°	2003.8	1996.8	2024.7	2057.5	2107.2	2173.9	2239.6	2281.3	2287.3	2301.2
20°	2121.2	2112.2	2134.1	2163.9	2216.7	2296.3	2374.9	2434.6	2433.6	2433.6
22.5°	2257.5	2243.5	2262.4	2286.3	2336.1	2432.6	2537.0	2607.7	2607.7	2579.8
25°	2403.7	2389.8	2410.7	2432.6	2476.4	2585.8	2708.2	2795.7	2799.7	2751.9
27.5°	2586.8	2568.9	2584.8	2610.7	2636.5	2748.0	2893.2	2994.7	2996.7	2923.1
30°	2939.0	2888.2	2838.5	2810.6	2822.6	2933.0	3088.2	3200.7	3210.6	3109.1
32.5°	3583.7	3573.7	3398.6	3169.8	3050.4	3132.0	3306.1	3441.4	3447.4	3317.1
35°	4585.6	4573.6	4292.1	3856.3	3467.3	3398.6	3570.8	3730.9	3727.0	3579.7
37.5°	5781.5	5770.5	5399.4	4816.4	4186.6	3801.6	3912.0	4080.2	4105.0	3912.0
40°	6803.3	6762.5	6527.7	5965.5	5141.7	4470.2	4397.5	4509.0	4534.8	4306.0
42.5°	7577.3	7542.5	7423.1	7071.9	6297.8	5459.1	4969.6	5012.4	5041.3	4766.7
45°	7978.3	7970.3	8018.0	7985.2	7475.8	6672.9	5787.4	5609.4	5620.3	5277.0
47.5°	8035.0	8031.0	8248.9	8557.3	8488.6	8041.9	6837.1	6353.6	6314.7	5853.1
50°	7700.7	7692.7	8110.6	8688.6	9165.2	9192.1	8029.0	7192.3	7106.7	6449.1
52.5°	6633.1	6631.1	7317.6	8279.7	9403.0	10198.9	9207.0	8113.6	7970.3	7079.8
55°	5103.9	5140.7	5927.7	7064.9	8969.2	10683.4	10264.6	9136.3	8916.5	7714.6
57.5°	3615.5	3669.3	4447.3	5460.1	7624.1	10396.9	10979.9	10161.1	9924.3	8347.4
60°	1942.1	1989.8	2768.9	3977.7	5672.0	9328.4	11357.0	11050.6	10826.7	8948.3
62.5°	1157.1	1173.0	1495.4	2567.9	3836.4	7126.6	11196.8	11728.1	11544.0	9452.7
65°	830.8	833.7	995.9	1568.0	2329.1	4329.9	10073.6	12052.4	11995.7	9832.8
67.5°	699.4	697.4	765.1	1041.7	1586.9	2168.9	7720.6	11593.8	11834.6	10073.6
70°	599.9	602.9	682.5	763.1	1192.9	1227.7	3838.4	10094.4	10607.8	10137.2
72.5°	446.7	456.7	530.3	695.4	900.4	844.7	1325.2	7484.8	8413.0	9551.2
75°	315.4	320.4	373.1	585.0	671.6	614.9	676.5	3869.2	5059.2	7322.6
77.5°	242.8	251.7	282.6	408.9	661.6	431.8	413.9	1339.2	2057.5	4423.4
80°	131.3	147.2	204.0	295.5	464.6	305.4	205.0	533.3	697.4	2068.4
82.5°	67.7	75.6	142.3	212.9	264.6	266.6	101.5	221.9	287.5	638.7
85°	26.9	32.8	95.5	117.4	136.3	131.3	45.8	89.5	103.5	177.1
87.5°	6.0	9.9	34.8	26.9	25.9	27.9	10.9	20.9	19.9	20.9
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°
1784.9	0°	1784.9	1784.9	1784.9	1784.9	1784.9	1784.9	1784.9	1784.9	1784.9	1784.9
1796.8	2.5°	1795.8	1791.8	1780.9	1769.0	1755.0	1747.1	1742.1	1741.1	1734.1	1729.2
1836.6	5°	1825.7	1821.7	1800.8	1775.9	1749.1	1728.2	1708.3	1690.4	1664.5	1659.5
1894.3	7.5°	1885.4	1874.4	1840.6	1806.8	1756.0	1695.3	1621.7	1537.1	1461.5	1438.7
1970.9	10°	1959.0	1944.1	1901.3	1841.6	1729.2	1564.0	1385.9	1220.8	1089.4	1052.6
2061.5	12.5°	2042.6	2029.6	1972.9	1862.5	1616.7	1317.3	1044.7	839.7	712.4	680.5
2158.0	15°	2142.1	2123.2	2044.6	1830.7	1415.8	1000.9	717.3	596.0	550.2	544.2
2268.4	17.5°	2247.5	2216.7	2108.2	1716.2	1145.2	711.4	554.2	519.3	499.4	493.5
2379.8	20°	2344.0	2304.2	2146.0	1543.1	855.6	554.2	496.5	473.6	455.7	448.7
2491.3	22.5°	2440.5	2383.8	2146.0	1307.3	641.7	491.5	455.7	434.8	413.9	404.9
2610.7	25°	2541.0	2465.4	2108.2	1044.7	516.4	450.7	416.9	394.0	376.1	365.1
2724.1	27.5°	2638.5	2534.1	2021.7	795.9	459.7	414.9	381.1	359.2	342.3	334.3
2847.5	30°	2731.1	2601.7	1900.3	603.9	422.8	380.1	348.2	329.3	312.4	304.4
3007.6	32.5°	2856.4	2687.3	1771.0	495.5	391.0	347.2	318.4	300.5	285.5	279.6
3215.6	35°	3030.5	2813.6	1659.5	486.5	364.1	320.4	291.5	274.6	259.7	254.7
3484.2	37.5°	3277.3	3017.6	1600.8	546.2	342.3	296.5	269.6	251.7	237.8	233.8
3825.5	40°	3581.7	3294.2	1632.7	605.9	327.3	275.6	249.7	231.8	219.9	214.9
4217.5	42.5°	3942.9	3635.4	1808.8	651.7	317.4	257.7	230.8	210.9	203.0	201.0
4662.2	45°	4357.7	4010.5	2078.4	700.4	301.5	240.8	211.9	197.0	191.0	190.0
5145.7	47.5°	4829.3	4422.4	2390.8	761.1	285.5	224.9	197.0	187.0	182.1	180.1
5650.1	50°	5296.9	4837.3	2712.1	794.9	272.6	209.9	185.1	177.1	173.1	172.1
6183.4	52.5°	5786.4	5264.1	2971.8	763.1	261.7	198.0	175.1	169.1	165.2	164.2
6674.9	55°	6253.1	5609.4	3016.6	647.7	239.8	186.0	164.2	161.2	156.2	156.2
7173.4	57.5°	6655.0	5782.5	2700.2	475.6	217.9	168.1	153.2	150.2	146.3	145.3
7623.1	60°	7024.1	5732.7	2084.4	320.4	194.0	150.2	139.3	137.3	133.3	128.3
8014.1	62.5°	7232.1	5513.8	1425.7	208.9	170.1	131.3	123.4	122.4	113.4	103.5
8303.6	65°	7310.7	5064.1	889.5	152.2	142.3	112.4	106.5	104.5	91.5	80.6
8467.8	67.5°	7242.0	4323.9	448.7	120.4	112.4	93.5	87.6	87.6	78.6	68.6
8457.8	70°	6967.4	3241.4	189.0	96.5	86.6	71.6	71.6	75.6	66.7	55.7
8019.0	72.5°	6371.5	2180.9	100.5	73.6	64.7	50.7	58.7	61.7	52.7	41.8
6563.5	75°	5065.1	1330.2	69.6	54.7	40.8	35.8	44.8	46.8	35.8	27.9
4500.0	77.5°	3464.3	764.1	46.8	34.8	25.9	20.9	30.8	28.9	18.9	12.9
1735.1	80°	1521.2	318.4	26.9	15.9	9.9	8.0	10.9	8.0	6.0	4.0
237.8	82.5°	178.1	74.6	9.9	6.0	4.0	2.0	1.0	0.0	0.0	0.0
72.6	85°	36.8	9.0	5.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
12.9	87.5°	7.0	2.0	1.0	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>
1784.9
1734.1
1657.5
1427.7
1038.7
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400.0
361.2
334.3
305.4
279.6
254.7
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