

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: P850587

Luminaire Tested: **GLAN-SB8A-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8A-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 350mA 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: 19192 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

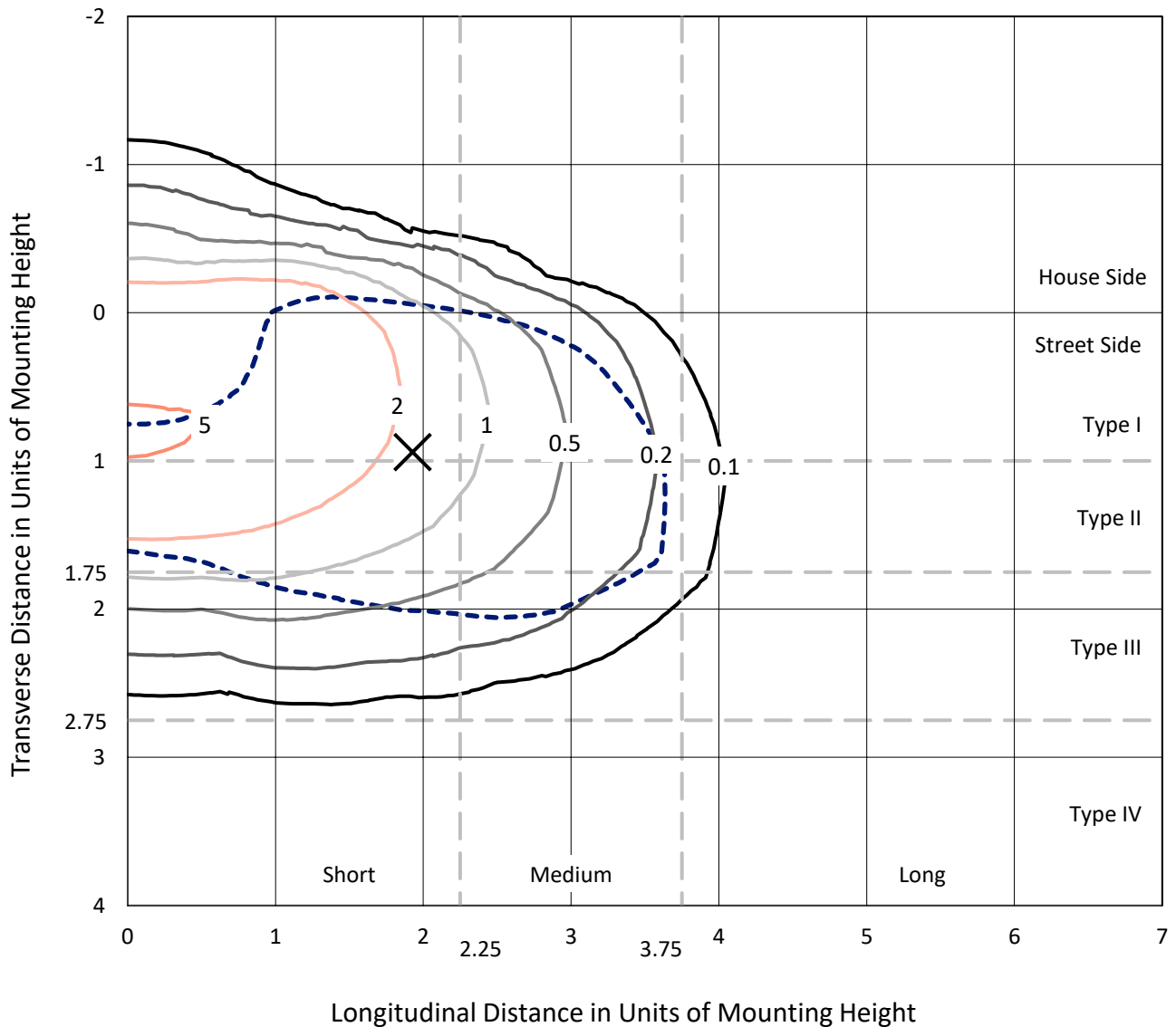
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

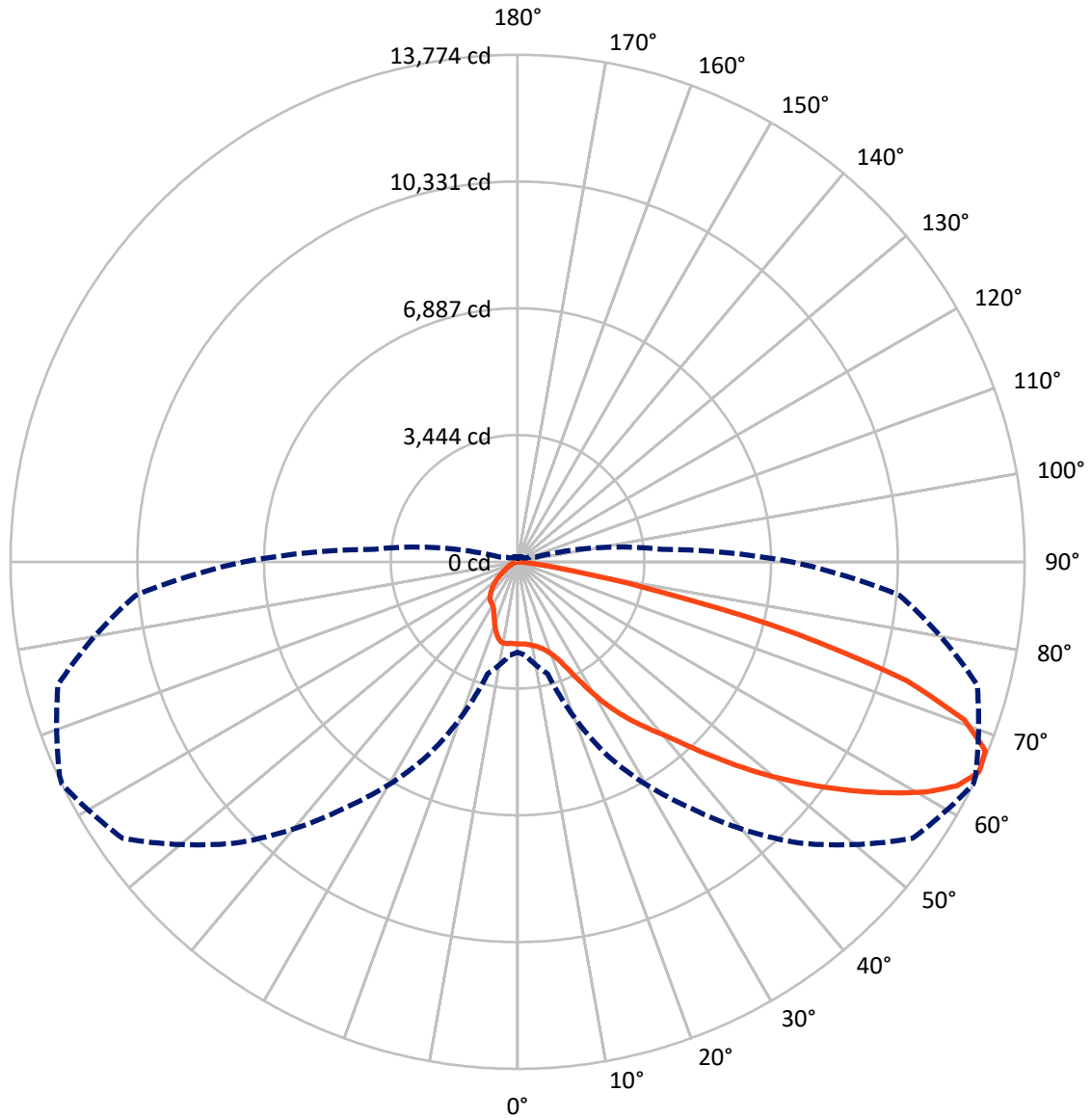
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2566.6	0.0	2566.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	16625.5	0.0	16625.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	19192.0	0.0	19192.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.9	1.1
10°-20°	558.6	2.9
20°-30°	1058.5	5.5
30°-40°	2141.8	11.2
40°-50°	3648.6	19.0
50°-60°	4961.9	25.9
60°-70°	4659.5	24.3
70°-80°	1866.8	9.7
80°-90°	90.4	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°	19192.0	100.0
0°-180°	19192.0	100.0

Coefficient of Utilization



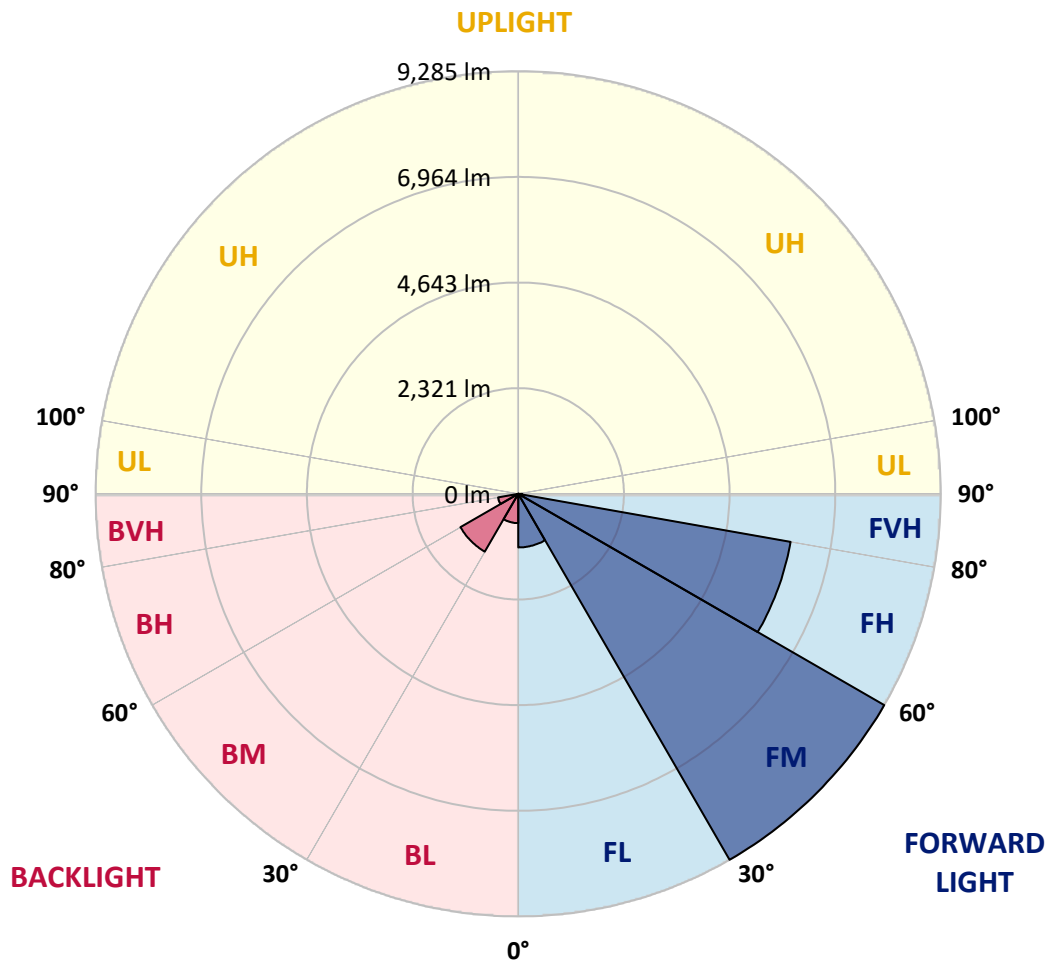
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1178.6	6.1			
FM (30°-60°)	9285.1	48.4			
FH (60°-80°)	6075.8	31.7			G3/7500
FVH (80°-90°)	86.0	0.4			G1/100
BL (0°-30°)	644.4	3.4	B2/1000		
BM (30°-60°)	1467.3	7.6	B2/2500		
BH (60°-80°)	450.5	2.3	B1/500		G1/500
BVH (80°-90°)	4.4	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2232.2	2232.2	2232.2	2232.2	2232.2	2232.2	2232.2	2232.2	2232.2	2232.2
2.5°	2224.5	2239.9	2236.1	2232.2	2230.9	2233.5	2234.8	2233.5	2233.5	2233.5
5°	2182.1	2194.9	2194.9	2203.9	2216.8	2232.2	2243.8	2246.4	2249.0	2252.8
7.5°	2101.0	2111.3	2119.0	2148.6	2180.8	2221.9	2256.7	2274.7	2277.3	2291.4
10°	2045.7	2058.5	2071.4	2102.3	2148.6	2210.4	2269.5	2313.3	2319.7	2353.2
12.5°	2043.1	2056.0	2072.7	2106.1	2160.2	2225.8	2297.8	2360.9	2372.5	2421.4
15°	2070.1	2085.6	2101.0	2142.2	2200.1	2279.8	2357.0	2435.5	2447.1	2516.6
17.5°	2125.4	2146.0	2157.6	2198.8	2260.5	2349.3	2450.9	2541.0	2551.3	2632.4
20°	2234.8	2259.2	2263.1	2296.6	2357.0	2452.2	2573.2	2685.1	2698.0	2790.6
22.5°	2461.2	2496.0	2465.1	2481.8	2535.9	2631.1	2762.3	2903.8	2921.8	3027.3
25°	2860.1	2909.0	2829.2	2800.9	2824.1	2923.1	3087.8	3266.6	3287.2	3372.1
27.5°	3643.6	3580.6	3459.6	3341.3	3271.8	3328.4	3513.7	3735.0	3760.7	3843.0
30°	4504.3	4449.0	4285.6	4023.2	3858.5	3849.5	4020.6	4267.6	4297.2	4375.7
32.5°	5366.4	5313.6	5136.1	4813.1	4527.5	4386.0	4504.3	4778.4	4793.8	4844.0
35°	6214.2	6160.2	5982.6	5652.0	5300.7	4979.1	4955.9	5264.7	5269.9	5322.6
37.5°	7067.2	7022.2	6833.1	6508.8	6162.8	5718.9	5504.0	5725.3	5731.7	5783.2
40°	7675.8	7695.1	7565.1	7314.2	7017.0	6532.0	6119.0	6215.5	6176.9	6263.1
42.5°	8198.1	8236.7	8123.5	7997.4	7825.0	7397.9	6880.7	6863.9	6802.2	6848.5
45°	8649.7	8681.9	8580.3	8550.7	8546.8	8247.0	7713.1	7612.7	7526.5	7517.5
47.5°	8815.7	8877.5	8921.2	9020.3	9213.3	9087.2	8573.8	8418.1	8321.6	8250.9
50°	8878.7	8944.4	9093.6	9381.8	9838.5	9892.6	9430.7	9255.7	9137.3	9008.7
52.5°	8793.8	8910.9	9111.6	9596.7	10259.2	10538.4	10252.8	10099.7	9964.6	9754.9
55°	8293.3	8410.4	8820.8	9594.1	10469.0	10991.3	11029.9	10961.7	10809.9	10479.3
57.5°	7238.3	7412.0	8061.8	9267.3	10465.1	11381.2	11791.6	11840.5	11670.6	11197.2
60°	5776.8	6012.2	6804.8	8542.9	10142.2	11592.2	12459.3	12703.8	12523.6	11904.8
62.5°	4030.9	4303.6	5053.7	7408.2	9403.7	11440.3	12946.9	13398.5	13262.1	12537.8
65°	2458.7	2546.2	3150.9	5829.5	8148.0	10804.8	13097.5	13774.2	13729.2	12925.1
67.5°	1637.8	1711.2	1884.9	3997.4	6324.9	9534.9	12737.2	13708.6	13721.5	12862.0
70°	986.8	1049.9	1163.1	2324.9	4099.1	7547.1	11621.7	12872.3	12946.9	12019.3
72.5°	406.6	449.0	551.9	1053.7	2122.9	4790.0	9254.4	11051.8	11225.5	10106.1
75°	230.3	252.2	324.2	528.8	921.2	2232.2	5605.7	7845.6	8101.6	6965.6
77.5°	153.1	163.4	209.7	342.2	518.5	761.7	2395.6	4087.5	4576.4	3804.4
80°	102.9	111.9	144.1	229.0	337.1	326.8	762.9	1514.3	1863.0	1307.2
82.5°	69.5	70.8	102.9	150.5	213.6	158.3	225.2	470.9	591.8	378.3
85°	39.9	38.6	75.9	87.5	95.2	65.6	68.2	141.5	185.3	159.5
87.5°	5.1	7.7	29.6	23.2	12.9	14.2	14.2	24.4	36.0	38.6
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°
2232.2	0°	2232.2	2232.2	2232.2	2232.2	2232.2	2232.2	2232.2	2232.2	2232.2	2232.2
2234.8	2.5°	2234.8	2233.5	2229.7	2225.8	2216.8	2211.6	2214.2	2211.6	2210.4	2211.6
2251.5	5°	2251.5	2247.7	2237.4	2224.5	2206.5	2184.6	2170.5	2149.9	2130.6	2119.0
2296.6	7.5°	2296.6	2292.7	2278.5	2242.5	2184.6	2093.3	2009.6	1936.3	1881.0	1848.8
2368.6	10°	2368.6	2362.2	2340.3	2260.5	2108.7	1909.3	1743.3	1605.7	1515.6	1473.1
2453.5	12.5°	2453.5	2445.8	2407.2	2243.8	1964.6	1653.3	1424.3	1271.1	1187.5	1150.2
2551.3	15°	2553.9	2543.6	2467.7	2164.0	1754.9	1370.2	1160.5	1046.0	992.0	958.5
2676.1	17.5°	2678.7	2660.7	2512.7	2044.4	1527.2	1154.1	998.4	912.2	864.6	832.4
2839.5	20°	2840.8	2811.2	2548.7	1901.6	1317.5	1017.7	889.0	817.0	781.0	752.7
3071.1	22.5°	3067.2	3024.8	2592.5	1747.2	1169.5	923.8	808.0	755.2	725.6	693.5
3394.0	25°	3347.7	3297.5	2646.5	1604.4	1067.9	842.7	748.8	705.0	670.3	633.0
3817.3	27.5°	3740.1	3650.0	2710.8	1487.3	980.4	773.2	694.8	645.9	606.0	575.1
4297.2	30°	4177.5	4029.6	2767.4	1416.5	900.6	708.9	624.0	575.1	537.8	515.9
4728.2	32.5°	4591.8	4391.1	2804.8	1385.7	828.6	635.6	546.8	494.0	465.7	459.3
5150.2	35°	4983.0	4717.9	2800.9	1356.1	764.2	562.2	470.9	416.9	395.0	398.8
5604.4	37.5°	5433.3	5066.6	2773.9	1309.7	711.5	495.3	405.3	357.7	338.4	339.7
6156.3	40°	5956.9	5469.3	2757.2	1222.3	653.6	433.6	351.2	312.6	298.5	293.3
6737.9	42.5°	6515.3	5859.1	2759.7	1123.2	581.5	378.3	313.9	281.8	268.9	265.0
7385.0	45°	7076.2	6230.9	2763.6	1020.3	505.6	335.8	286.9	259.9	252.2	247.0
8041.2	47.5°	7603.7	6547.4	2691.5	909.6	431.0	303.6	265.0	247.0	240.6	234.2
8699.9	50°	8095.2	6758.4	2517.9	781.0	371.8	277.9	248.3	235.4	229.0	222.6
9296.9	52.5°	8477.3	6791.9	2230.9	648.4	330.7	258.6	238.0	226.4	218.7	212.3
9779.3	55°	8647.2	6582.2	1823.1	524.9	298.5	241.9	227.7	216.1	207.1	200.7
10158.9	57.5°	8603.4	6140.9	1421.7	422.0	267.6	225.2	214.9	207.1	196.8	186.6
10466.4	60°	8388.5	5550.3	1071.7	351.2	239.3	207.1	200.7	194.3	180.1	164.7
10584.8	62.5°	8016.7	4808.0	764.2	290.8	208.4	186.6	184.0	178.8	158.3	129.9
10409.8	65°	7448.1	3906.1	514.6	241.9	178.8	163.4	164.7	155.7	128.7	96.5
9769.1	67.5°	6616.9	2856.2	329.4	198.1	149.2	136.4	137.7	132.5	109.4	82.3
8554.5	70°	5558.1	1891.3	214.9	150.5	119.7	105.5	113.2	114.5	92.6	66.9
6565.5	72.5°	4074.6	1116.8	150.5	111.9	87.5	73.3	92.6	95.2	74.6	50.2
3949.8	75°	2322.3	530.1	113.2	81.1	54.0	51.5	72.0	72.0	51.5	33.5
1709.9	77.5°	975.2	221.3	79.8	52.8	30.9	29.6	48.9	45.0	25.7	15.4
416.9	80°	281.8	99.1	42.5	25.7	12.9	11.6	19.3	14.2	6.4	2.6
158.3	82.5°	110.6	43.7	16.7	10.3	5.1	5.1	2.6	0.0	0.0	0.0
90.1	85°	65.6	18.0	7.7	3.9	1.3	0.0	0.0	0.0	0.0	0.0
19.3	87.5°	16.7	3.9	2.6	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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180°
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