

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: P848077

Luminaire Tested: **GLAN-SB4C-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848077
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-SB4C-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 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: 18408 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

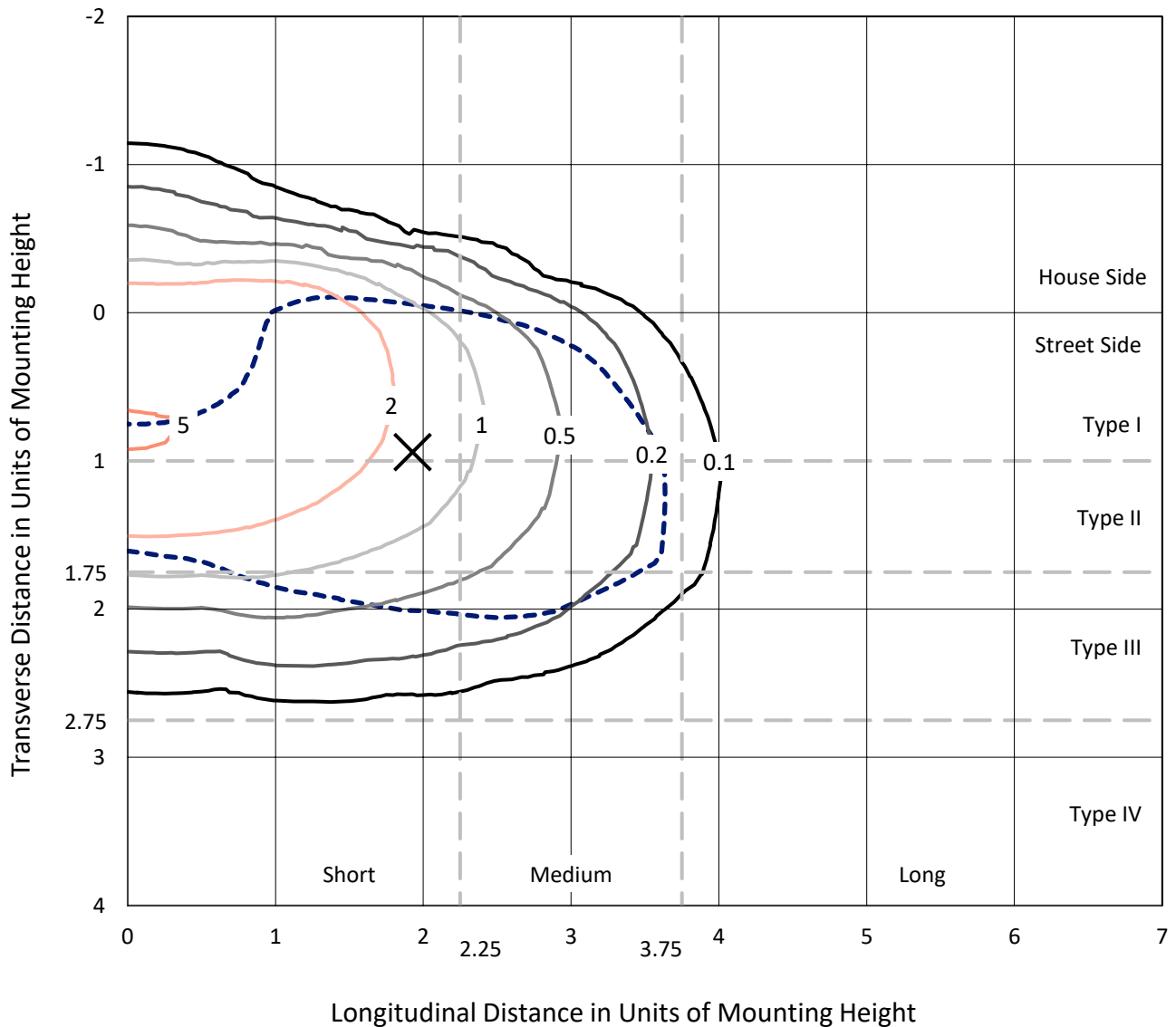
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

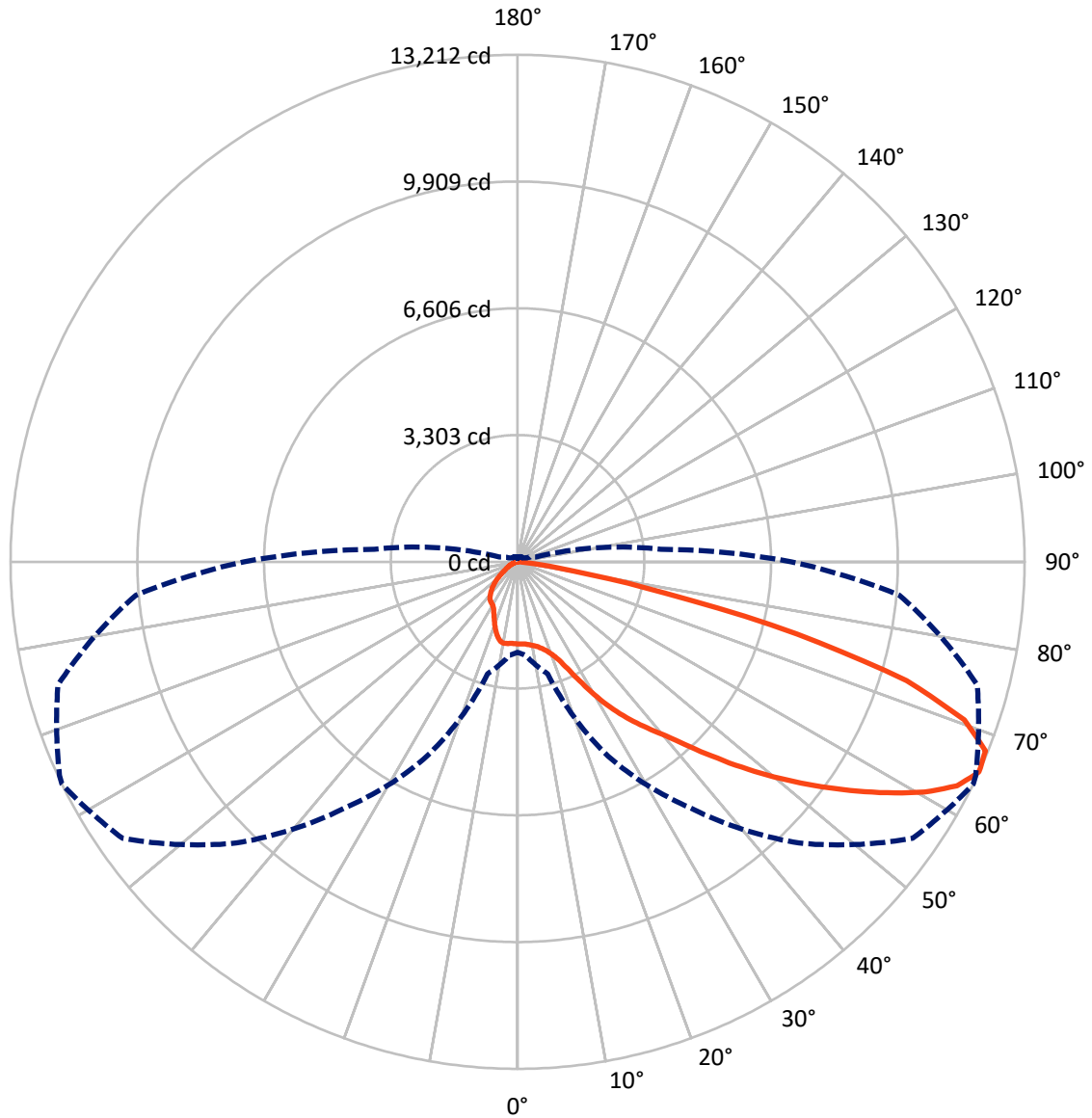
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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	2461.7	0.0	2461.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	15946.3	0.0	15946.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	18408.0	0.0	18408.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.5	1.1
10°-20°	535.8	2.9
20°-30°	1015.2	5.5
30°-40°	2054.3	11.2
40°-50°	3499.6	19.0
50°-60°	4759.2	25.9
60°-70°	4469.1	24.3
70°-80°	1790.5	9.7
80°-90°	86.7	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°	18408.0	100.0
0°-180°	18408.0	100.0

Coefficient of Utilization



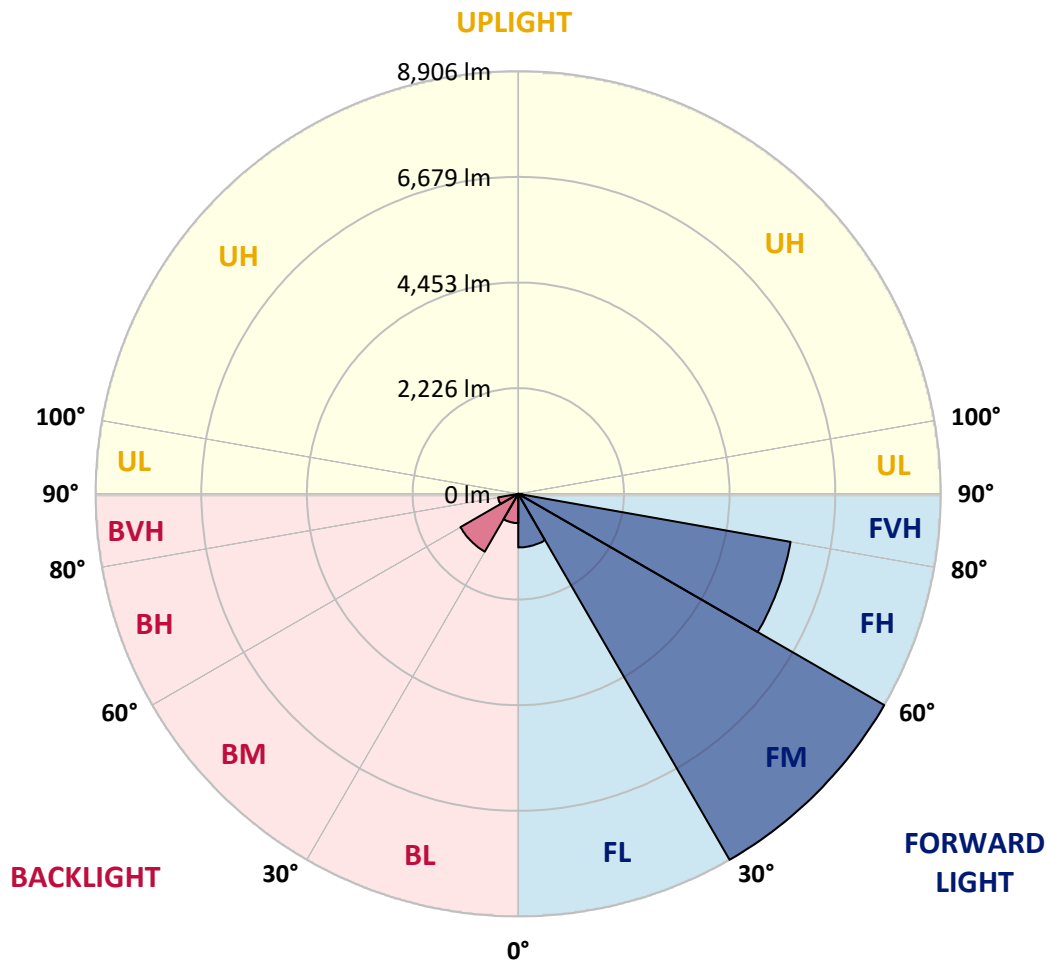
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1130.5	6.1			
FM	(30°-60°)	8905.8	48.4			
FH	(60°-80°)	5827.6	31.7			G3/7500
FVH	(80°-90°)	82.5	0.4			G1/100
BL	(0°-30°)	618.1	3.4	B2/1000		
BM	(30°-60°)	1407.3	7.6	B2/2500		
BH	(60°-80°)	432.1	2.3	B1/500		G1/500
BVH	(80°-90°)	4.2	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°	2141.0	2141.0	2141.0	2141.0	2141.0	2141.0	2141.0	2141.0	2141.0	2141.0
2.5°	2133.6	2148.4	2144.7	2141.0	2139.8	2142.3	2143.5	2142.3	2142.3	2142.3
5°	2092.9	2105.3	2105.3	2113.9	2126.2	2141.0	2152.1	2154.6	2157.1	2160.8
7.5°	2015.2	2025.0	2032.4	2060.8	2091.7	2131.2	2164.5	2181.8	2184.2	2197.8
10°	1962.1	1974.4	1986.8	2016.4	2060.8	2120.1	2176.8	2218.8	2225.0	2257.0
12.5°	1959.6	1972.0	1988.0	2020.1	2071.9	2134.9	2204.0	2264.4	2275.6	2322.4
15°	1985.6	2000.4	2015.2	2054.7	2110.2	2186.7	2260.7	2336.0	2347.1	2413.8
17.5°	2038.6	2058.4	2069.5	2109.0	2168.2	2253.3	2350.8	2437.2	2447.1	2524.8
20°	2143.5	2167.0	2170.7	2202.7	2260.7	2352.1	2468.1	2575.4	2587.8	2676.6
22.5°	2360.7	2394.0	2364.4	2380.4	2432.3	2523.6	2649.5	2785.2	2802.5	2903.7
25°	2743.2	2790.1	2713.6	2686.5	2708.7	2803.7	2961.7	3133.2	3152.9	3234.4
27.5°	3494.8	3434.3	3318.3	3204.8	3138.1	3192.4	3370.1	3582.4	3607.1	3686.0
30°	4320.3	4267.3	4110.6	3858.8	3700.9	3692.2	3856.3	4093.3	4121.7	4196.9
32.5°	5147.1	5096.5	4926.2	4616.5	4342.6	4206.8	4320.3	4583.2	4598.0	4646.1
35°	5960.4	5908.5	5738.2	5421.1	5084.2	4775.7	4753.5	5049.6	5054.6	5105.2
37.5°	6778.5	6735.3	6553.9	6243.0	5911.0	5485.3	5279.2	5491.4	5497.6	5547.0
40°	7362.2	7380.7	7256.1	7015.5	6730.4	6265.2	5869.0	5961.6	5924.6	6007.3
42.5°	7863.2	7900.3	7791.7	7670.7	7505.4	7095.7	6599.6	6583.5	6524.3	6568.7
45°	8296.4	8327.2	8229.7	8201.4	8197.7	7910.1	7398.0	7301.8	7219.1	7210.4
47.5°	8455.6	8514.8	8556.8	8651.8	8836.9	8716.0	8223.6	8074.3	7981.7	7913.8
50°	8516.0	8579.0	8722.1	8998.5	9436.6	9488.5	9045.4	8877.6	8764.1	8640.7
52.5°	8434.6	8546.9	8739.4	9204.6	9840.2	10107.9	9834.0	9687.1	9557.6	9356.4
55°	7954.6	8066.9	8460.5	9202.2	10041.3	10542.3	10579.3	10513.9	10368.3	10051.2
57.5°	6942.7	7109.2	7732.4	8888.7	10037.6	10916.2	11309.9	11356.8	11193.9	10739.8
60°	5540.8	5766.6	6526.8	8194.0	9727.9	11118.6	11950.3	12184.8	12012.0	11418.5
62.5°	3866.2	4127.8	4847.3	7105.5	9019.5	10973.0	12418.0	12851.2	12720.4	12025.6
65°	2358.2	2442.1	3022.1	5591.4	7815.1	10363.4	12562.4	13211.5	13168.3	12397.1
67.5°	1570.9	1641.3	1807.9	3834.1	6066.5	9145.4	12216.9	13148.6	13160.9	12336.6
70°	946.5	1007.0	1115.6	2229.9	3931.6	7238.8	11147.0	12346.5	12418.0	11528.3
72.5°	390.0	430.7	529.4	1010.7	2036.1	4594.3	8876.4	10600.3	10766.9	9693.3
75°	220.9	241.9	311.0	507.2	883.6	2141.0	5376.7	7525.1	7770.7	6681.0
77.5°	146.8	156.7	201.1	328.3	497.3	730.5	2297.8	3920.5	4389.4	3649.0
80°	98.7	107.4	138.2	219.7	323.3	313.4	731.8	1452.5	1786.9	1253.8
82.5°	66.6	67.9	98.7	144.4	204.8	151.8	216.0	451.7	567.7	362.8
85°	38.3	37.0	72.8	83.9	91.3	62.9	65.4	135.7	177.7	153.0
87.5°	4.9	7.4	28.4	22.2	12.3	13.6	13.6	23.4	34.6	37.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2141.0	0°	2141.0	2141.0	2141.0	2141.0	2141.0	2141.0	2141.0	2141.0	2141.0	2141.0
2143.5	2.5°	2143.5	2142.3	2138.6	2134.9	2126.2	2121.3	2123.8	2121.3	2120.1	2121.3
2159.6	5°	2159.6	2155.8	2146.0	2133.6	2116.4	2095.4	2081.8	2062.1	2043.6	2032.4
2202.7	7.5°	2202.7	2199.0	2185.5	2150.9	2095.4	2007.8	1927.6	1857.2	1804.2	1773.3
2271.8	10°	2271.8	2265.7	2244.7	2168.2	2022.6	1831.3	1672.1	1540.1	1453.7	1413.0
2353.3	12.5°	2353.3	2345.9	2308.9	2152.1	1884.4	1585.7	1366.1	1219.2	1139.0	1103.2
2447.1	15°	2449.5	2439.7	2366.9	2075.6	1683.2	1314.2	1113.1	1003.3	951.4	919.4
2566.8	17.5°	2569.2	2552.0	2410.1	1960.9	1464.8	1106.9	957.6	874.9	829.3	798.4
2723.5	20°	2724.7	2696.4	2444.6	1823.9	1263.6	976.1	852.7	783.6	749.1	721.9
2945.6	22.5°	2941.9	2901.2	2486.6	1675.8	1121.7	886.0	775.0	724.4	696.0	665.1
3255.4	25°	3210.9	3162.8	2538.4	1538.8	1024.2	808.3	718.2	676.2	642.9	607.1
3661.4	27.5°	3587.3	3500.9	2600.1	1426.5	940.3	741.7	666.4	619.5	581.2	551.6
4121.7	30°	4006.9	3865.0	2654.4	1358.7	863.8	680.0	598.5	551.6	515.8	494.8
4535.1	32.5°	4404.3	4211.7	2690.2	1329.0	794.7	609.6	524.5	473.9	446.7	440.5
4939.8	35°	4779.4	4525.2	2686.5	1300.7	733.0	539.3	451.7	399.8	378.8	382.5
5375.4	37.5°	5211.3	4859.6	2660.6	1256.2	682.4	475.1	388.7	343.1	324.5	325.8
5904.8	40°	5713.6	5245.9	2644.5	1172.3	626.9	415.9	336.9	299.9	286.3	281.4
6462.6	42.5°	6249.1	5619.8	2647.0	1077.3	557.8	362.8	301.1	270.3	257.9	254.2
7083.3	45°	6787.2	5976.4	2650.7	978.6	485.0	322.1	275.2	249.3	241.9	236.9
7712.7	47.5°	7293.1	6280.0	2581.6	872.5	413.4	291.2	254.2	236.9	230.8	224.6
8344.5	50°	7764.5	6482.4	2415.0	749.1	356.6	266.6	238.2	225.8	219.7	213.5
8917.1	52.5°	8131.0	6514.4	2139.8	622.0	317.1	248.0	228.3	217.2	209.8	203.6
9379.9	55°	8293.9	6313.3	1748.6	503.5	286.3	232.0	218.4	207.3	198.7	192.5
9743.9	57.5°	8252.0	5890.0	1363.6	404.8	256.7	216.0	206.1	198.7	188.8	178.9
10038.8	60°	8045.9	5323.6	1027.9	336.9	229.5	198.7	192.5	186.3	172.8	158.0
10152.4	62.5°	7689.2	4611.6	733.0	278.9	199.9	178.9	176.5	171.5	151.8	124.6
9984.5	65°	7143.8	3746.5	493.6	232.0	171.5	156.7	158.0	149.3	123.4	92.6
9370.0	67.5°	6346.6	2739.5	315.9	190.0	143.1	130.8	132.0	127.1	104.9	79.0
8205.1	70°	5331.0	1814.0	206.1	144.4	114.8	101.2	108.6	109.8	88.9	64.2
6297.3	72.5°	3908.2	1071.1	144.4	107.4	83.9	70.3	88.9	91.3	71.6	48.1
3788.5	75°	2227.4	508.4	108.6	77.7	51.8	49.4	69.1	69.1	49.4	32.1
1640.0	77.5°	935.4	212.3	76.5	50.6	29.6	28.4	46.9	43.2	24.7	14.8
399.8	80°	270.3	95.0	40.7	24.7	12.3	11.1	18.5	13.6	6.2	2.5
151.8	82.5°	106.1	42.0	16.0	9.9	4.9	4.9	2.5	0.0	0.0	0.0
86.4	85°	62.9	17.3	7.4	3.7	1.2	0.0	0.0	0.0	0.0	0.0
18.5	87.5°	16.0	3.7	2.5	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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