

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: P848107

Luminaire Tested: **GLAN-SB4C-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848107
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-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 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: 23100 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

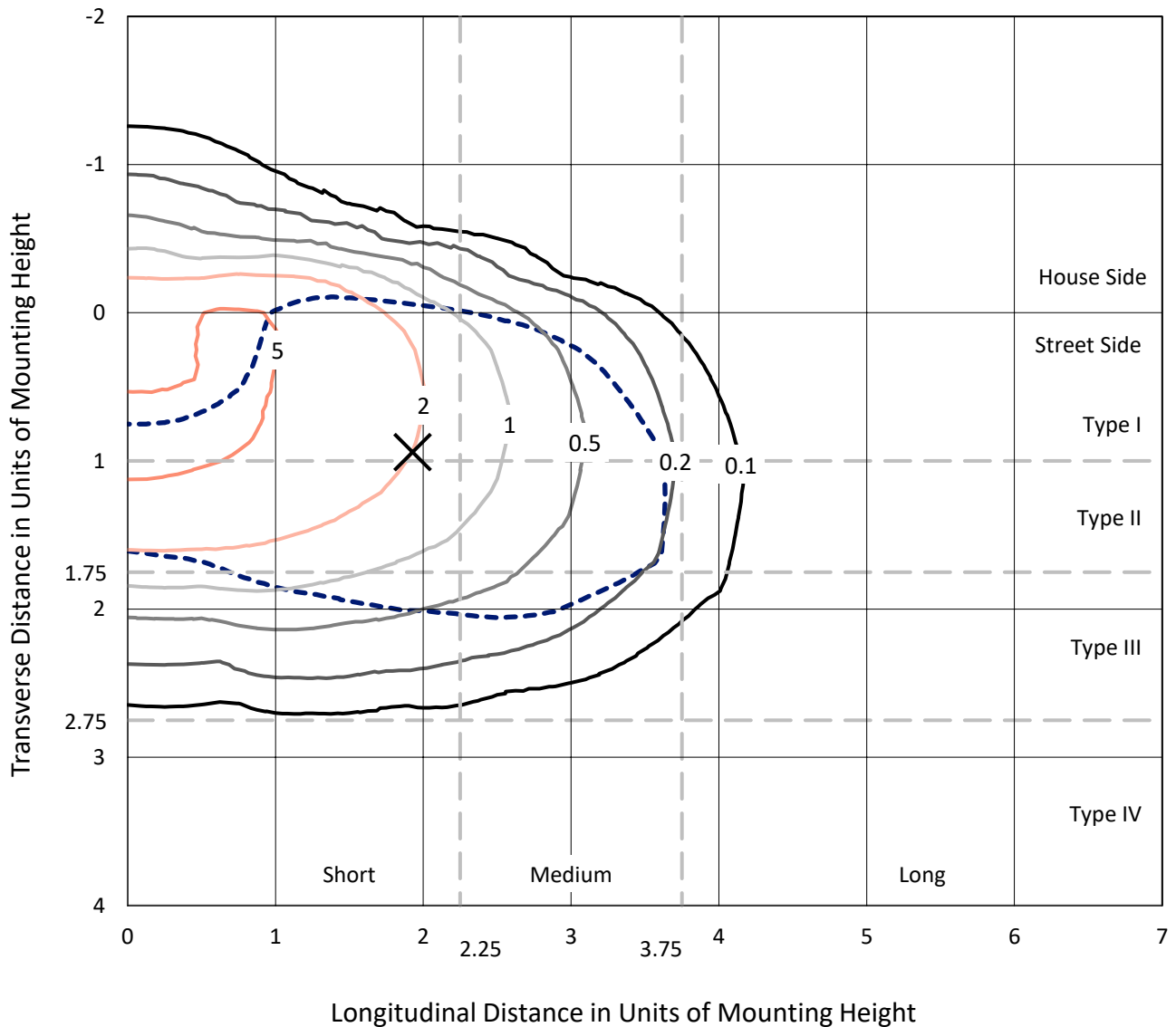
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

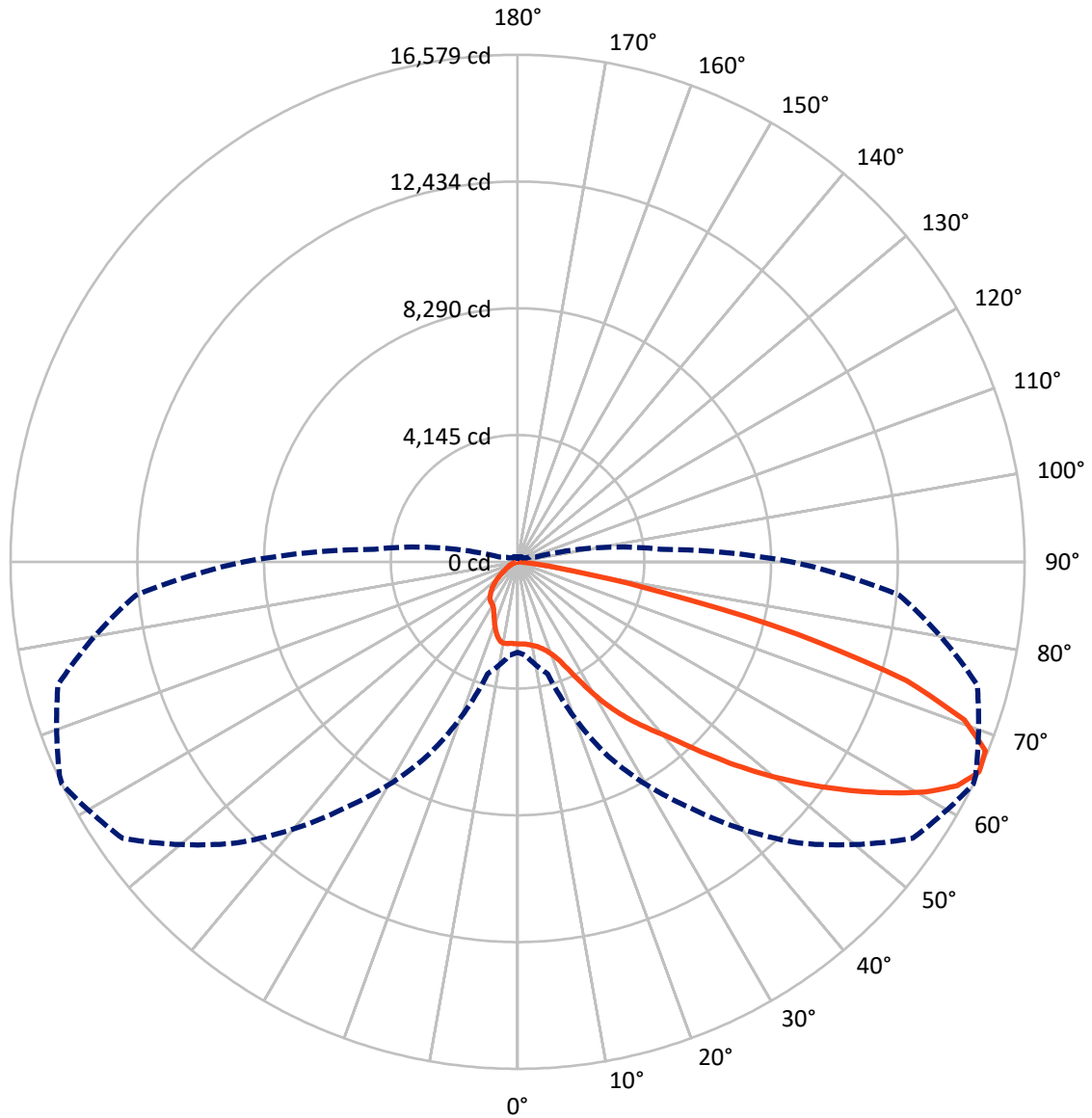
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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	3089.2	0.0	3089.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	20010.8	0.0	20010.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	23100.0	0.0	23100.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.9	1.1
10°-20°	672.3	2.9
20°-30°	1274.0	5.5
30°-40°	2578.0	11.2
40°-50°	4391.6	19.0
50°-60°	5972.2	25.9
60°-70°	5608.2	24.3
70°-80°	2246.9	9.7
80°-90°	108.9	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°	23100.0	100.0
0°-180°	23100.0	100.0

Coefficient of Utilization



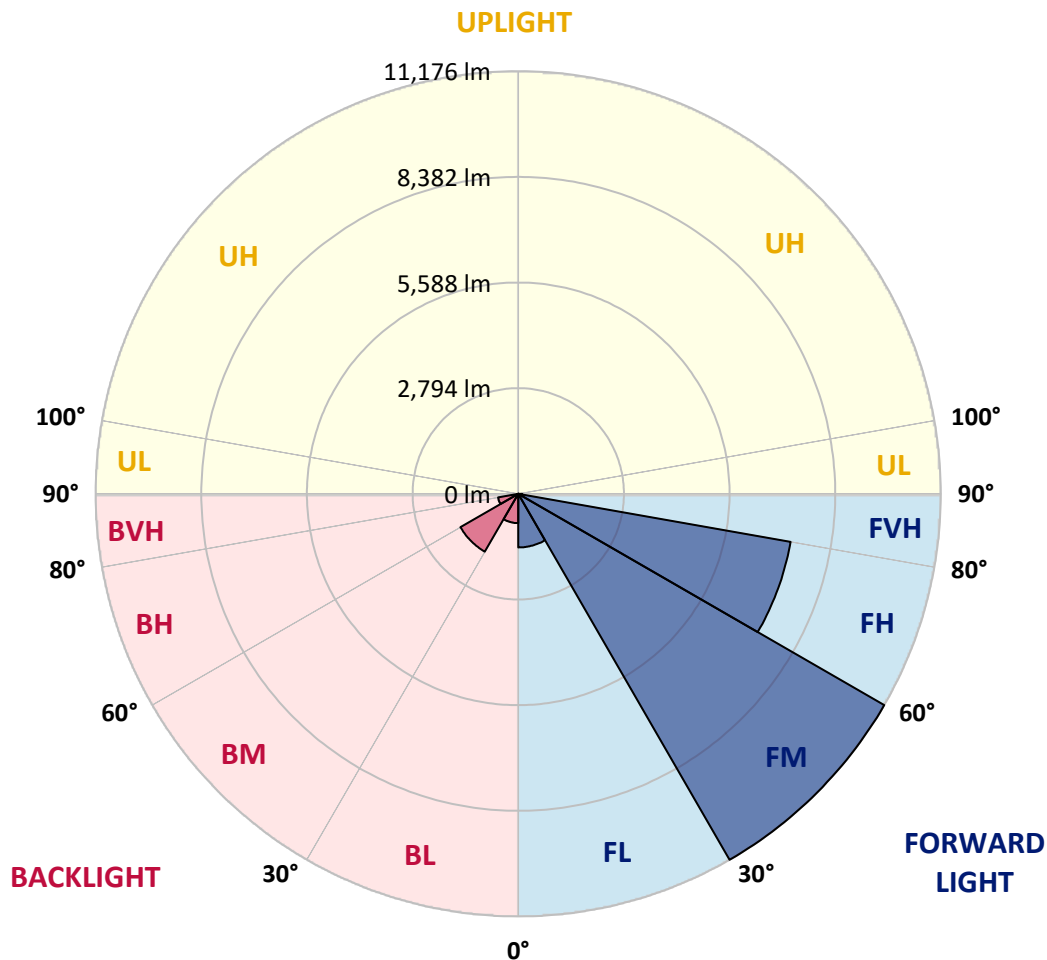
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1418.6	6.1			
FM (30°-60°)	11175.8	48.4			
FH (60°-80°)	7312.9	31.7			G3/7500
FVH (80°-90°)	103.5	0.4			G2/225
BL (0°-30°)	775.6	3.4	B2/1000		
BM (30°-60°)	1766.1	7.6	B2/2500		
BH (60°-80°)	542.2	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.3	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°	2686.8	2686.8	2686.8	2686.8	2686.8	2686.8	2686.8	2686.8	2686.8	2686.8
2.5°	2677.5	2696.1	2691.4	2686.8	2685.2	2688.3	2689.9	2688.3	2688.3	2688.3
5°	2626.4	2641.9	2641.9	2652.7	2668.2	2686.8	2700.7	2703.8	2706.9	2711.5
7.5°	2528.8	2541.2	2550.5	2586.1	2624.8	2674.4	2716.2	2737.9	2741.0	2758.0
10°	2462.2	2477.7	2493.2	2530.4	2586.1	2660.4	2731.7	2784.3	2792.1	2832.3
12.5°	2459.1	2474.6	2494.7	2535.0	2600.0	2679.0	2765.7	2841.6	2855.6	2914.4
15°	2491.6	2510.2	2528.8	2578.4	2648.1	2744.1	2837.0	2931.4	2945.4	3029.0
17.5°	2558.2	2583.0	2597.0	2646.5	2720.8	2827.7	2950.0	3058.4	3070.8	3168.4
20°	2689.9	2719.3	2723.9	2764.2	2837.0	2951.6	3097.1	3231.9	3247.4	3358.8
22.5°	2962.4	3004.2	2967.1	2987.2	3052.2	3166.8	3324.8	3495.1	3516.8	3643.8
25°	3442.5	3501.3	3405.3	3371.2	3399.1	3518.4	3716.6	3931.8	3956.6	4058.8
27.5°	4385.6	4309.7	4164.1	4021.6	3938.0	4006.2	4229.1	4495.5	4526.5	4625.6
30°	5421.5	5355.0	5158.3	4842.4	4644.2	4633.3	4839.3	5136.6	5172.2	5266.7
32.5°	6459.1	6395.6	6181.9	5793.2	5449.4	5279.1	5421.5	5751.4	5770.0	5830.4
35°	7479.6	7414.6	7200.9	6802.9	6380.1	5993.0	5965.1	6336.8	6342.9	6406.4
37.5°	8506.3	8452.1	8224.5	7834.2	7417.7	6883.4	6624.8	6891.1	6898.9	6960.8
40°	9238.8	9262.0	9105.6	8803.6	8445.9	7862.1	7365.0	7481.1	7434.7	7538.4
42.5°	9867.5	9913.9	9777.7	9625.9	9418.4	8904.3	8281.8	8261.6	8187.3	8243.0
45°	10411.0	10449.8	10327.4	10291.8	10287.2	9926.3	9283.7	9162.9	9059.1	9048.3
47.5°	10610.8	10685.1	10737.8	10857.0	11089.3	10937.6	10319.7	10132.3	10016.2	9931.0
50°	10686.7	10765.7	10945.3	11292.2	11841.9	11907.0	11351.0	11140.4	10997.9	10843.1
52.5°	10584.5	10725.4	10967.0	11550.8	12348.3	12684.3	12340.6	12156.3	11993.7	11741.3
55°	9982.1	10123.0	10617.0	11547.7	12600.7	13229.4	13275.9	13193.8	13011.1	12613.1
57.5°	8712.3	8921.3	9703.3	11154.4	12596.1	13698.7	14192.6	14251.5	14047.1	13477.2
60°	6953.1	7236.5	8190.4	10282.5	12207.4	13952.6	14996.4	15290.6	15073.8	14328.9
62.5°	4851.7	5180.0	6082.8	8916.7	11318.5	13769.9	15583.3	16126.8	15962.7	15090.8
65°	2959.3	3064.6	3792.4	7016.6	9807.1	13004.9	15764.4	16579.0	16524.8	15556.9
67.5°	1971.3	2059.6	2268.7	4811.4	7612.8	11476.5	15330.8	16500.0	16515.5	15481.1
70°	1187.8	1263.6	1399.9	2798.3	4933.7	9083.9	13988.2	15493.4	15583.3	14466.7
72.5°	489.3	540.5	664.3	1268.3	2555.1	5765.3	11138.9	13302.2	13511.3	12164.0
75°	277.2	303.5	390.2	636.5	1108.8	2686.8	6747.1	9443.2	9751.3	8384.0
77.5°	184.3	196.7	252.4	411.9	624.1	916.8	2883.4	4919.8	5508.3	4579.1
80°	123.9	134.7	173.4	275.6	405.7	393.3	918.3	1822.7	2242.3	1573.3
82.5°	83.6	85.2	123.9	181.2	257.1	190.5	271.0	566.8	712.3	455.3
85°	48.0	46.5	91.4	105.3	114.6	79.0	82.1	170.3	223.0	192.0
87.5°	6.2	9.3	35.6	27.9	15.5	17.0	17.0	29.4	43.4	46.5
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°
2686.8	0°	2686.8	2686.8	2686.8	2686.8	2686.8	2686.8	2686.8	2686.8	2686.8	2686.8
2689.9	2.5°	2689.9	2688.3	2683.7	2679.0	2668.2	2662.0	2665.1	2662.0	2660.4	2662.0
2710.0	5°	2710.0	2705.4	2693.0	2677.5	2655.8	2629.5	2612.4	2587.7	2564.4	2550.5
2764.2	7.5°	2764.2	2759.6	2742.5	2699.2	2629.5	2519.5	2418.9	2330.6	2264.0	2225.3
2850.9	10°	2850.9	2843.2	2816.8	2720.8	2538.1	2298.1	2098.3	1932.6	1824.2	1773.1
2953.1	12.5°	2953.1	2943.8	2897.4	2700.7	2364.7	1989.9	1714.3	1530.0	1429.3	1384.4
3070.8	15°	3073.9	3061.5	2970.2	2604.7	2112.3	1649.2	1396.8	1259.0	1193.9	1153.7
3221.0	17.5°	3224.1	3202.4	3024.4	2460.7	1838.2	1389.1	1201.7	1097.9	1040.6	1001.9
3417.7	20°	3419.2	3383.6	3067.7	2288.8	1585.7	1224.9	1070.1	983.3	940.0	905.9
3696.4	22.5°	3691.8	3640.7	3120.4	2103.0	1407.7	1111.9	972.5	909.0	873.4	834.7
4085.1	25°	4029.4	3969.0	3185.4	1931.1	1285.3	1014.3	901.3	848.6	806.8	761.9
4594.6	27.5°	4501.7	4393.3	3262.8	1790.1	1180.0	930.7	836.2	777.4	729.4	692.2
5172.2	30°	5028.2	4850.1	3331.0	1705.0	1084.0	853.3	751.1	692.2	647.3	621.0
5691.0	32.5°	5526.8	5285.3	3375.9	1667.8	997.3	765.0	658.1	594.7	560.6	552.8
6198.9	35°	5997.6	5678.6	3371.2	1632.2	919.9	676.7	566.8	501.7	475.4	480.1
6745.6	37.5°	6539.6	6098.3	3338.7	1576.4	856.4	596.2	487.8	430.5	407.3	408.8
7409.9	40°	7169.9	6583.0	3318.6	1471.1	786.7	521.9	422.8	376.3	359.3	353.1
8109.9	42.5°	7842.0	7052.2	3321.7	1351.9	700.0	455.3	377.9	339.1	323.7	319.0
8888.8	45°	8517.1	7499.7	3326.3	1228.0	608.6	404.2	345.3	312.8	303.5	297.3
9678.6	47.5°	9152.1	7880.7	3239.6	1094.8	518.8	365.5	319.0	297.3	289.6	281.8
10471.4	50°	9743.6	8134.6	3030.6	940.0	447.5	334.5	298.9	283.4	275.6	267.9
11190.0	52.5°	10203.5	8174.9	2685.2	780.5	398.0	311.3	286.5	272.5	263.3	255.5
11770.7	55°	10407.9	7922.5	2194.3	631.8	359.3	291.1	274.1	260.2	249.3	241.6
12227.5	57.5°	10355.3	7391.3	1711.2	507.9	322.1	271.0	258.6	249.3	236.9	224.5
12597.6	60°	10096.7	6680.5	1290.0	422.8	288.0	249.3	241.6	233.8	216.8	198.2
12740.1	62.5°	9649.1	5787.0	919.9	350.0	250.9	224.5	221.4	215.3	190.5	156.4
12529.5	65°	8964.7	4701.5	619.4	291.1	215.3	196.7	198.2	187.4	154.9	116.1
11758.3	67.5°	7964.3	3437.8	396.4	238.5	179.6	164.1	165.7	159.5	131.6	99.1
10296.4	70°	6689.8	2276.4	258.6	181.2	144.0	127.0	136.3	137.8	111.5	80.5
7902.4	72.5°	4904.3	1344.2	181.2	134.7	105.3	88.3	111.5	114.6	89.8	60.4
4754.1	75°	2795.2	638.0	136.3	97.6	65.0	61.9	86.7	86.7	61.9	40.3
2058.1	77.5°	1173.8	266.4	96.0	63.5	37.2	35.6	58.8	54.2	31.0	18.6
501.7	80°	339.1	119.2	51.1	31.0	15.5	13.9	23.2	17.0	7.7	3.1
190.5	82.5°	133.2	52.7	20.1	12.4	6.2	6.2	3.1	0.0	0.0	0.0
108.4	85°	79.0	21.7	9.3	4.6	1.5	0.0	0.0	0.0	0.0	0.0
23.2	87.5°	20.1	4.6	3.1	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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2686.8
2668.2
2553.6
2226.8
1768.5
1379.8
1155.2
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899.7
828.5
757.3
684.5
616.3
557.5
480.1
415.0
351.5
317.5
297.3
281.8
267.9
254.0
240.0
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195.1
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