

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: P853108

Luminaire Tested: **GLAN-SB8D-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61137 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

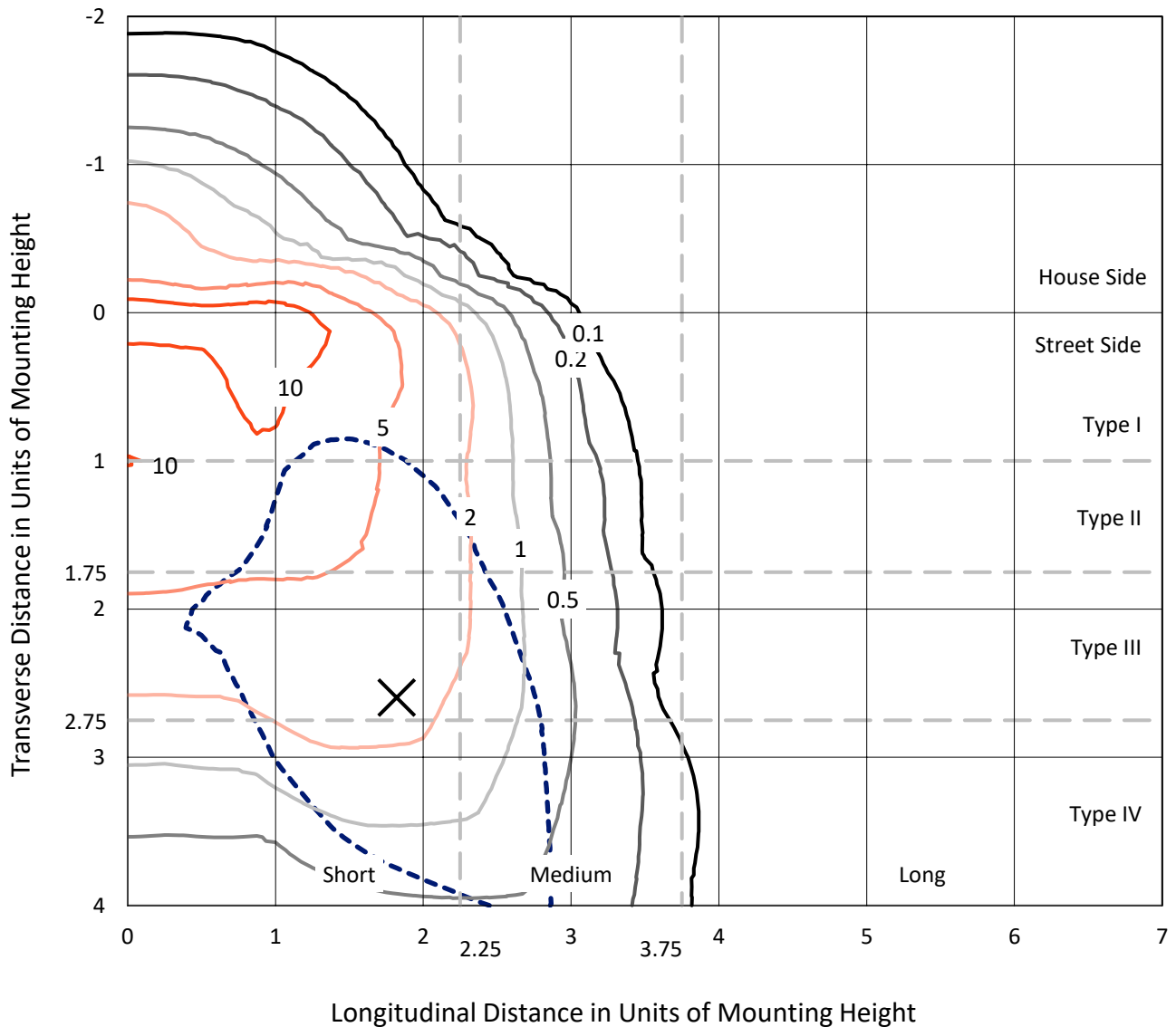
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853108
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Iso-Footcandle Lines of Horizontal Illumination

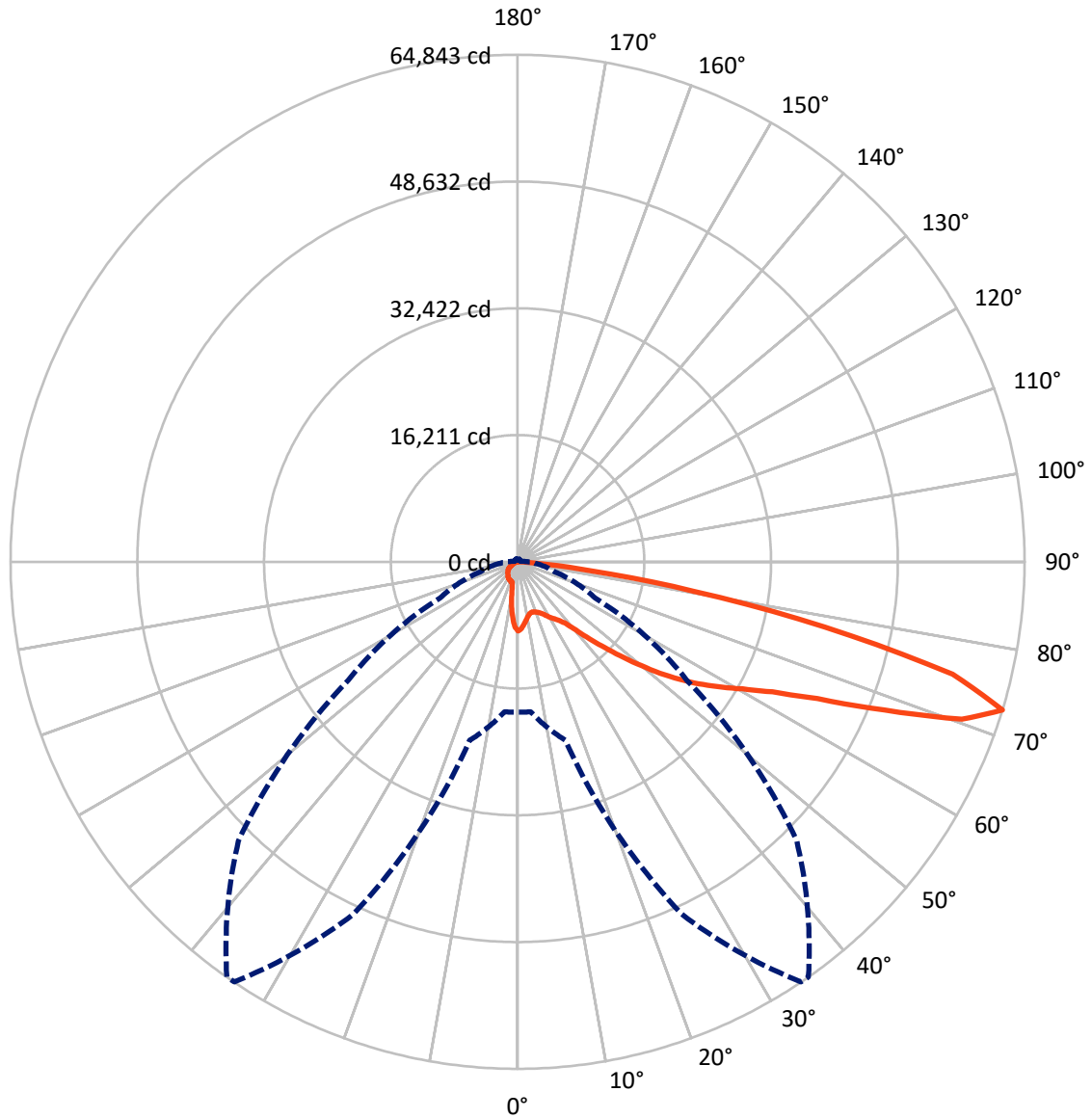
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P853108
CATALOG NUMBER: GLAN-SB8D-735-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6880.7	0.0	6880.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	54256.3	0.0	54256.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	61137.0	0.0	61137.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	728.1	1.2
10°-20°	1703.4	2.8
20°-30°	2767.1	4.5
30°-40°	4616.8	7.6
40°-50°	8735.1	14.3
50°-60°	13880.0	22.7
60°-70°	17170.6	28.1
70°-80°	10673.4	17.5
80°-90°	862.6	1.4
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°	61137.0	100.0
0°-180°	61137.0	100.0

Coefficient of Utilization



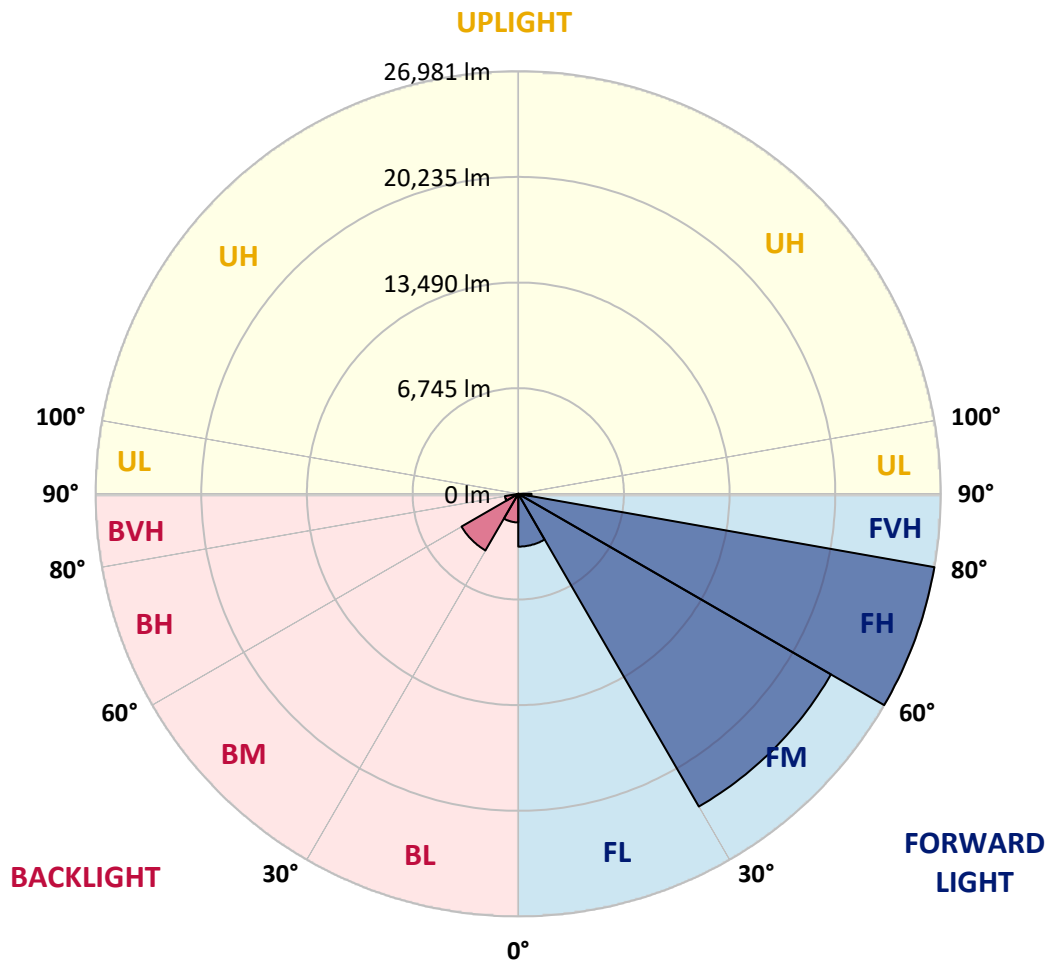
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3370.2	5.5			
FM	(30°-60°)	23054.8	37.7			
FH	(60°-80°)	26980.5	44.1			G5
FVH	(80°-90°)	850.8	1.4			G5
BL	(0°-30°)	1828.3	3.0	B3/2500		
BM	(30°-60°)	4177.2	6.8	B3/5000		
BH	(60°-80°)	863.4	1.4	B2/1000		G2/1000
BVH	(80°-90°)	11.7	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



REPORT NUMBER: P853108
 CATALOG NUMBER: GLAN-SB8D-735-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	8860.8	8860.8	8860.8	8860.8	8860.8	8860.8	8860.8	8860.8	8860.8	8860.8
2.5°	8466.6	8538.3	8551.7	8574.1	8574.1	8601.0	8645.8	8708.5	8811.5	8865.3
5°	7803.6	7857.4	7924.5	7978.3	8081.3	8094.8	8269.5	8439.7	8677.1	8856.3
7.5°	7136.1	7198.8	7288.4	7418.3	7552.7	7593.1	7857.4	8144.1	8520.3	8856.3
10°	6665.8	6670.2	6750.9	6880.8	7095.8	7145.1	7467.6	7875.3	8345.6	8802.6
12.5°	6401.5	6432.8	6468.7	6567.2	6773.3	6804.6	7149.6	7628.9	8170.9	8771.2
15°	6401.5	6423.9	6446.3	6495.5	6661.3	6688.2	6992.8	7472.1	8081.3	8784.6
17.5°	6468.7	6504.5	6486.6	6544.8	6719.5	6737.4	7006.2	7427.3	8076.9	8869.8
20°	6629.9	6656.8	6621.0	6656.8	6831.5	6867.3	7145.1	7512.4	8153.0	9017.6
22.5°	6885.3	6898.7	6813.6	6840.5	7019.7	7064.5	7387.0	7754.3	8336.7	9255.0
25°	7207.8	7234.7	7104.8	7136.1	7306.4	7360.1	7731.9	8117.2	8627.9	9582.0
27.5°	7579.6	7593.1	7481.1	7476.6	7696.1	7772.2	8148.5	8565.1	9017.6	9994.2
30°	8005.2	8045.5	7938.0	7920.1	8197.8	8260.5	8632.3	9116.1	9591.0	10612.4
32.5°	8341.2	8372.5	8309.8	8354.6	8636.8	8686.1	9219.2	9895.6	10491.4	11490.4
35°	8825.0	8842.9	8699.5	8780.2	9102.7	9228.1	10021.0	10988.6	11624.8	12592.4
37.5°	10576.5	10576.5	9967.3	9568.6	9877.7	9989.7	11118.6	12363.9	13022.4	14070.7
40°	13000.0	12959.7	12068.2	11252.9	11212.6	11432.1	12682.0	14097.5	14827.7	15844.6
42.5°	15584.8	15522.1	14308.1	13501.7	13367.4	13443.5	14487.3	16234.3	16978.0	18008.3
45°	17878.4	17860.5	16749.5	15665.4	15423.5	15665.4	16740.6	18734.0	19267.1	20351.2
47.5°	19800.2	19800.2	18989.4	18281.6	18156.1	18299.5	19791.2	21506.9	21457.7	22846.4
50°	22013.1	21995.2	21224.7	20920.1	21050.0	21251.6	23303.3	24427.7	23724.4	25296.7
52.5°	23563.1	23670.6	23406.3	23357.0	24020.0	24369.4	26869.1	27285.7	25753.7	27621.7
55°	24790.5	24916.0	25220.6	25565.5	26842.2	27299.2	30322.9	29995.9	27451.5	29637.5
57.5°	26528.6	26349.5	26819.8	27500.7	29565.9	30116.9	33669.3	32553.8	28817.8	31272.6
60°	28638.6	28665.5	28746.1	29606.2	32285.0	32992.8	36966.3	34972.8	29695.8	32276.1
62.5°	31174.1	31214.4	31380.1	32701.6	35936.0	36603.4	40478.4	36952.9	30098.9	31993.9
65°	30999.4	31169.6	33019.7	37539.7	41486.3	42144.8	44577.3	38341.6	29489.7	29413.6
67.5°	28239.9	28517.6	31613.1	43318.5	49854.3	50589.0	49531.8	38614.8	26860.1	22873.2
70°	24620.3	24718.9	28441.5	48514.9	59543.9	60287.5	53966.7	35609.0	20382.5	12758.1
72.5°	19226.8	19249.2	23616.9	49719.9	64803.0	64843.3	50486.0	26434.6	10961.8	4900.8
75°	13734.7	13600.3	15817.7	40321.6	57012.8	57469.8	37848.8	12399.7	4188.5	2316.0
77.5°	7364.6	7512.4	8950.4	23912.5	39385.3	40164.8	20651.3	3574.8	2132.3	1576.8
80°	2275.7	2401.1	3668.9	10948.3	22308.8	22779.2	7655.8	1590.3	1487.3	1124.4
82.5°	716.7	743.6	1711.2	4600.6	9259.5	9474.5	2217.4	900.4	1016.9	743.6
85°	206.1	210.5	761.5	1715.7	2289.1	2333.9	622.7	349.4	582.4	461.4
87.5°	22.4	71.7	286.7	286.7	201.6	197.1	67.2	76.2	165.7	58.2
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°
8860.8	0°	8860.8	8860.8	8860.8	8860.8	8860.8	8860.8	8860.8	8860.8	8860.8	8860.8
8901.1	2.5°	8878.7	8883.2	8825.0	8726.4	8618.9	8529.3	8417.3	8327.7	8265.0	8247.1
8981.8	5°	8941.4	8910.1	8744.3	8444.2	8085.8	7776.7	7431.8	7158.5	6979.3	6903.2
9066.9	7.5°	9035.5	8945.9	8583.1	7991.7	7306.4	6697.1	6078.9	5599.6	5295.0	5142.7
9147.5	10°	9116.1	8937.0	8314.3	7337.7	6289.5	5366.7	4533.4	3955.6	3633.0	3480.7
9241.6	12.5°	9192.3	8932.5	7964.9	6562.7	5142.7	4013.8	3238.8	2952.1	2862.5	2831.2
9393.9	15°	9335.6	8945.9	7525.9	5675.8	4000.4	3032.7	2750.5	2746.0	2764.0	2755.0
9626.8	17.5°	9532.8	8959.4	7028.6	4735.0	3086.5	2674.4	2660.9	2701.2	2728.1	2714.7
9918.0	20°	9788.1	9013.1	6500.0	3803.2	2652.0	2584.8	2616.1	2652.0	2674.4	2652.0
10307.7	22.5°	10146.5	9107.2	5922.1	3055.1	2513.1	2531.0	2557.9	2598.2	2620.6	2589.3
10805.0	25°	10585.5	9255.0	5353.2	2656.4	2445.9	2468.3	2508.6	2553.4	2580.3	2548.9
11432.1	27.5°	11154.4	9492.4	4829.1	2566.9	2378.7	2392.1	2450.4	2517.6	2553.4	2513.1
12323.6	30°	11978.7	9882.2	4376.6	2607.2	2338.4	2307.0	2387.7	2481.7	2522.1	2486.2
13537.6	32.5°	13071.7	10433.2	4098.9	2669.9	2320.5	2208.5	2284.6	2405.6	2472.8	2450.4
15123.4	35°	14505.2	11270.9	3991.4	2741.6	2307.0	2105.4	2159.2	2289.1	2405.6	2428.0
17121.3	37.5°	16243.3	12435.6	4022.7	2772.9	2266.7	2020.3	2047.2	2159.2	2311.5	2383.2
19370.1	40°	18218.8	13792.9	4201.9	2741.6	2221.9	1948.7	1953.1	2038.3	2172.6	2280.2
21789.1	42.5°	20257.1	15378.7	4533.4	2625.1	2181.6	1885.9	1872.5	1930.7	2020.3	2096.5
24203.7	45°	22196.8	17009.3	4860.4	2463.8	2132.3	1823.2	1791.9	1814.3	1832.2	1863.5
26555.5	47.5°	23890.1	18156.1	4766.4	2316.0	2065.1	1751.6	1697.8	1688.8	1635.1	1630.6
28656.5	50°	25059.3	18407.0	4233.3	2168.2	1966.6	1670.9	1585.8	1532.0	1438.0	1393.2
30228.9	52.5°	25431.1	17417.0	3458.3	2020.3	1805.3	1563.4	1442.5	1357.3	1240.9	1200.6
31133.8	55°	24938.4	15477.3	2764.0	1841.1	1581.3	1420.1	1285.7	1173.7	1079.6	1030.3
31232.3	57.5°	23733.3	13009.0	2186.1	1630.6	1343.9	1258.8	1124.4	1012.4	931.8	882.5
30139.3	60°	21735.4	10330.1	1729.2	1379.7	1146.8	1084.1	945.2	873.5	801.9	743.6
27317.1	62.5°	18702.7	7373.5	1357.3	1093.0	958.7	887.0	806.3	752.6	667.5	586.8
22241.6	65°	14594.8	4511.0	1048.2	801.9	770.5	734.7	685.4	636.1	533.1	452.4
14509.7	67.5°	9205.7	2136.8	748.1	604.8	609.2	591.3	568.9	528.6	452.4	380.8
6500.0	70°	4054.1	1034.8	492.8	461.4	452.4	452.4	470.4	456.9	385.3	318.1
2257.8	72.5°	1379.7	555.5	367.3	349.4	327.0	322.5	394.2	380.8	309.1	246.4
1124.4	75°	721.2	371.8	268.8	250.9	197.1	237.4	313.6	295.7	219.5	161.3
743.6	77.5°	470.4	264.3	183.7	161.3	112.0	156.8	232.9	206.1	129.9	80.6
488.3	80°	295.7	174.7	107.5	76.2	53.8	85.1	125.4	89.6	49.3	17.9
286.7	82.5°	156.8	89.6	40.3	26.9	22.4	26.9	31.4	22.4	9.0	0.0
147.8	85°	62.7	31.4	13.4	9.0	4.5	0.0	9.0	4.5	0.0	0.0
26.9	87.5°	22.4	4.5	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>
8860.8
8278.4
6930.1
5165.1
3485.2
2822.2
2750.5
2710.2
2647.5
2584.8
2544.5
2513.1
2481.7
2450.4
2428.0
2401.1
2316.0
2127.8
1881.5
1626.1
1397.7
1196.1
1030.3
873.5
730.2
573.4
439.0
371.8
304.6
232.9
147.8
71.7
13.4
0.0
0.0
0.0
0.0

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