

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: P853260

Luminaire Tested: **GLAN-SB9D-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853260
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-SB9D-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 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: 60257 lumens
Efficiency: N/A
Efficacy: 91.6 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

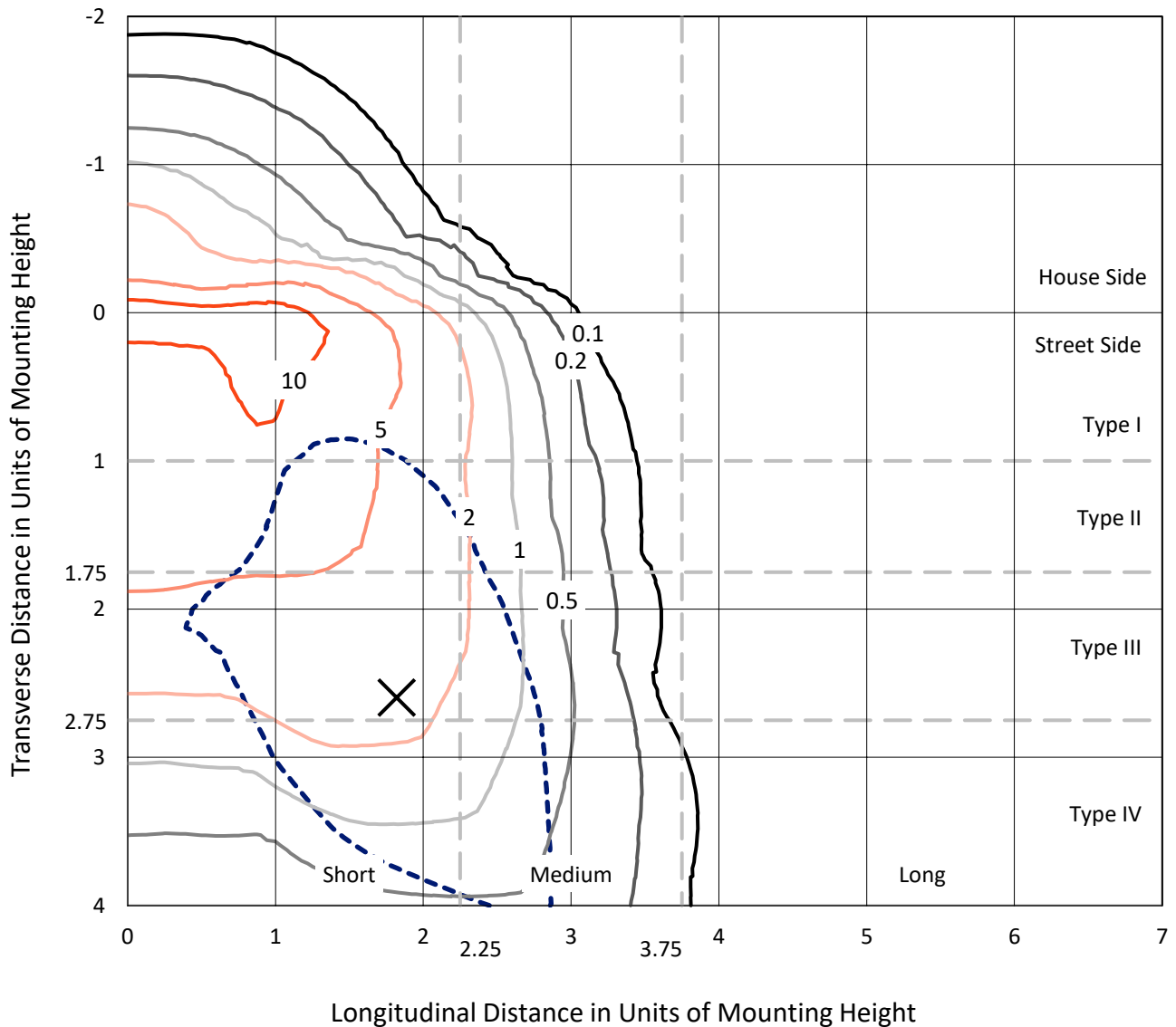
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

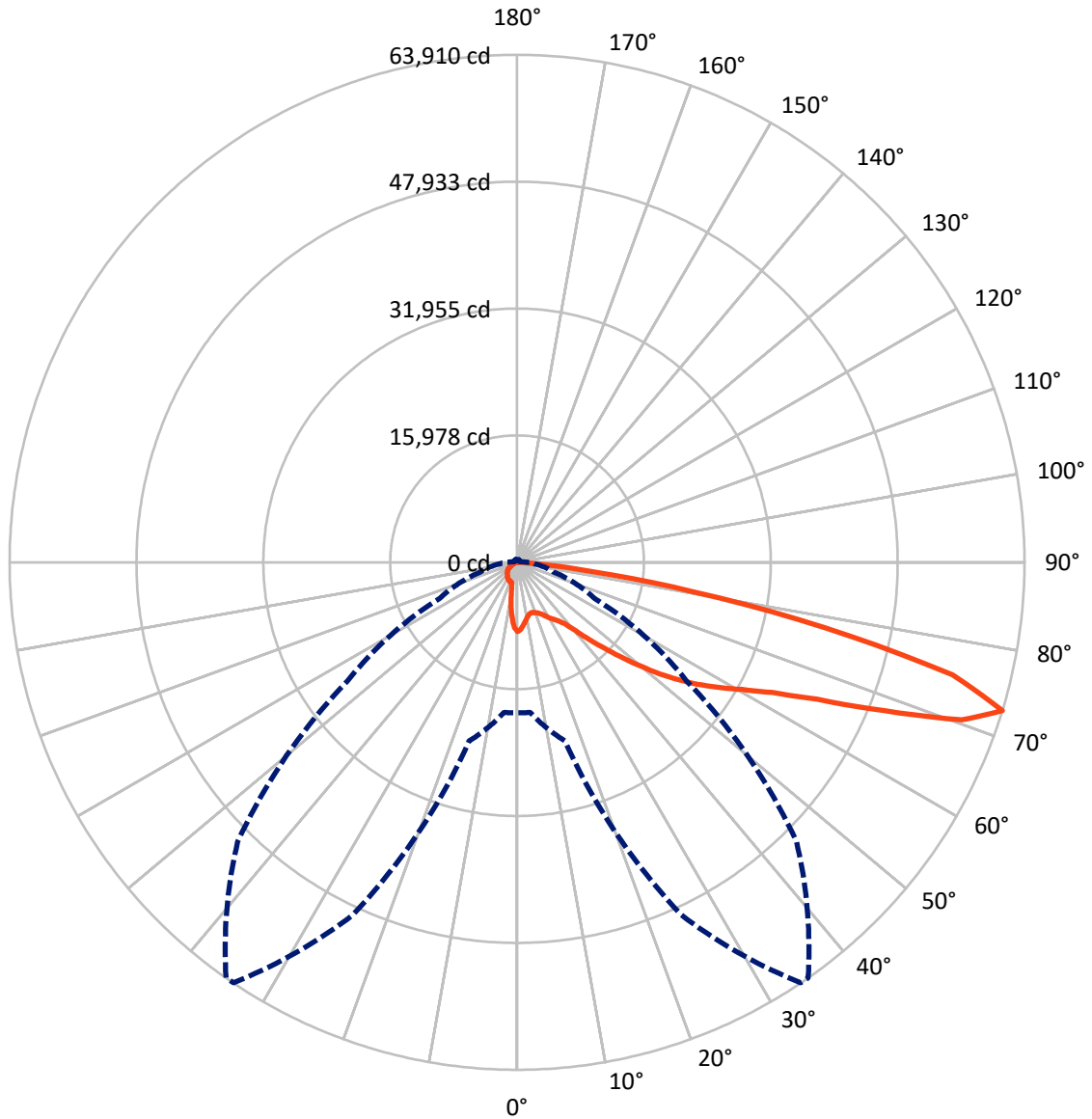
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc
 Type IV - Short - N/A

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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	6781.6	0.0	6781.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	53475.4	0.0	53475.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	60257.0	0.0	60257.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	717.6	1.2
10°-20°	1678.8	2.8
20°-30°	2727.2	4.5
30°-40°	4550.3	7.6
40°-50°	8609.4	14.3
50°-60°	13680.3	22.7
60°-70°	16923.4	28.1
70°-80°	10519.7	17.5
80°-90°	850.2	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°	60257.0	100.0
0°-180°	60257.0	100.0

Coefficient of Utilization



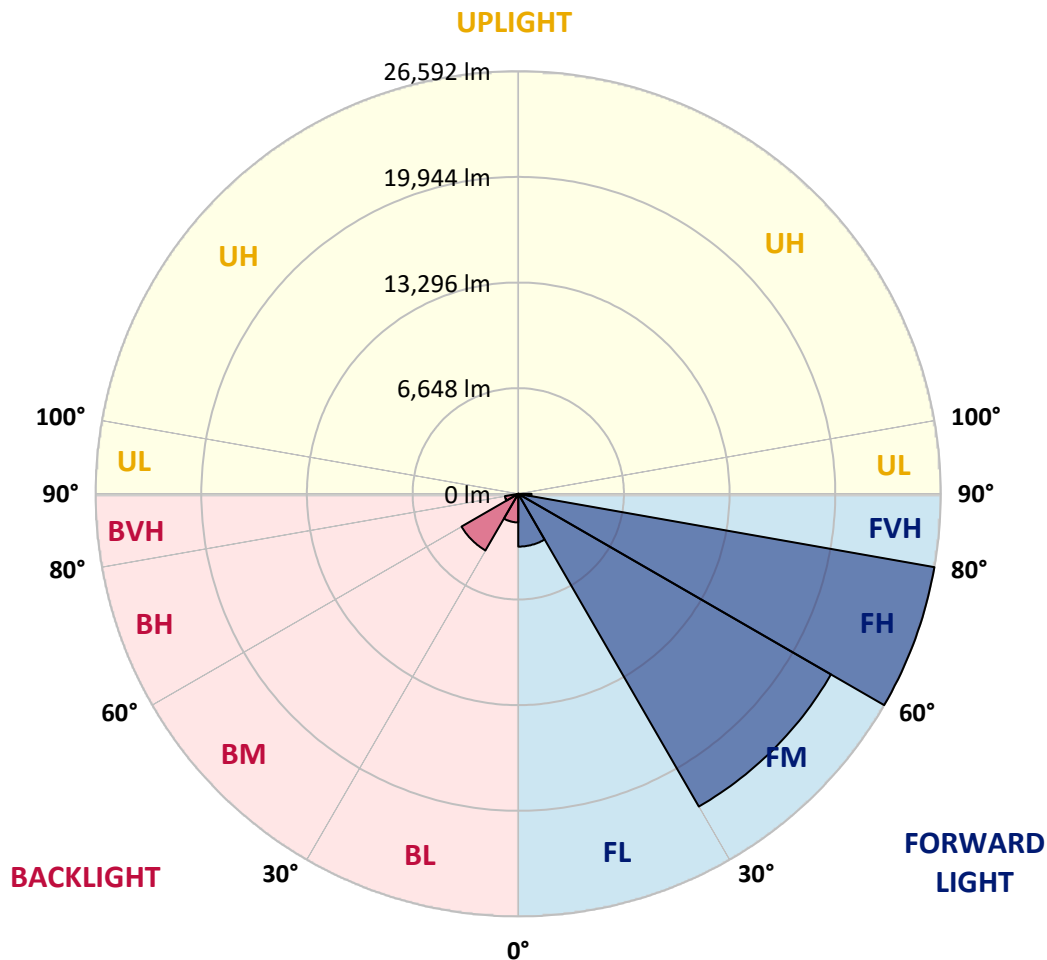
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3321.7	5.5			
FM (30°-60°)	22722.9	37.7			
FH (60°-80°)	26592.2	44.1			G5
FVH (80°-90°)	838.6	1.4			G5
BL (0°-30°)	1802.0	3.0	B3/2500		
BM (30°-60°)	4117.1	6.8	B3/5000		
BH (60°-80°)	851.0	1.4	B2/1000		G2/1000
BVH (80°-90°)	11.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	8733.3	8733.3	8733.3	8733.3	8733.3	8733.3	8733.3	8733.3	8733.3	8733.3
2.5°	8344.7	8415.4	8428.6	8450.7	8450.7	8477.2	8521.3	8583.1	8684.7	8737.7
5°	7691.3	7744.3	7810.5	7863.5	7965.0	7978.3	8150.5	8318.2	8552.2	8728.8
7.5°	7033.4	7095.2	7183.5	7311.6	7444.0	7483.8	7744.3	8026.8	8397.7	8728.8
10°	6569.8	6574.2	6653.7	6781.7	6993.7	7042.2	7360.1	7761.9	8225.5	8675.9
12.5°	6309.3	6340.2	6375.5	6472.7	6675.8	6706.7	7046.7	7519.1	8053.3	8645.0
15°	6309.3	6331.4	6353.5	6402.0	6565.4	6591.9	6892.1	7364.5	7965.0	8658.2
17.5°	6375.5	6410.9	6393.2	6450.6	6622.8	6640.5	6905.4	7320.4	7960.6	8742.1
20°	6534.5	6561.0	6525.7	6561.0	6733.2	6768.5	7042.2	7404.3	8035.7	8887.8
22.5°	6786.2	6799.4	6715.5	6742.0	6918.6	6962.8	7280.7	7642.7	8216.7	9121.8
25°	7104.1	7130.5	7002.5	7033.4	7201.2	7254.2	7620.6	8000.3	8503.7	9444.1
27.5°	7470.5	7483.8	7373.4	7369.0	7585.3	7660.4	8031.2	8441.9	8887.8	9850.3
30°	7890.0	7929.7	7823.7	7806.1	8079.8	8141.6	8508.1	8984.9	9452.9	10459.6
32.5°	8221.1	8252.0	8190.2	8234.3	8512.5	8561.1	9086.5	9753.2	10340.4	11325.0
35°	8697.9	8715.6	8574.3	8653.8	8971.7	9095.3	9876.8	10830.5	11457.4	12411.1
37.5°	10424.3	10424.3	9823.8	9430.9	9735.5	9845.9	10958.5	12185.9	12835.0	13868.1
40°	12812.9	12773.2	11894.5	11091.0	11051.2	11267.6	12499.4	13894.6	14614.3	15616.6
42.5°	15360.5	15298.7	14102.1	13307.4	13174.9	13250.0	14278.7	16000.7	16733.6	17749.1
45°	17621.1	17603.4	16508.4	15439.9	15201.5	15439.9	16499.6	18464.4	18989.8	20058.2
47.5°	19515.2	19515.2	18716.0	18018.4	17894.8	18036.1	19506.3	21197.4	21148.8	22517.5
50°	21696.3	21678.6	20919.2	20619.0	20747.0	20945.7	22967.9	24076.1	23382.9	24932.6
52.5°	23223.9	23329.9	23069.4	23020.8	23674.3	24018.7	26482.4	26893.0	25383.0	27224.1
55°	24433.7	24557.3	24857.6	25197.5	26455.9	26906.2	29886.5	29564.2	27056.3	29210.9
57.5°	26146.8	25970.2	26433.8	27104.9	29140.3	29683.4	33184.6	32085.2	28403.0	30822.5
60°	28226.4	28252.8	28332.3	29180.0	31820.3	32517.9	36434.2	34469.4	29268.3	31811.5
62.5°	30725.4	30765.1	30928.5	32230.9	35418.7	36076.6	39895.7	36421.0	29665.7	31533.3
65°	30553.2	30720.9	32544.4	36999.4	40889.1	41538.2	43935.6	37789.7	29065.2	28990.2
67.5°	27833.4	28107.1	31158.0	42695.0	49136.7	49860.8	48818.8	38059.0	26473.5	22544.0
70°	24265.9	24363.1	28032.1	47816.6	58686.8	59419.7	53189.9	35096.4	20089.1	12574.5
72.5°	18950.0	18972.1	23276.9	49004.3	63870.2	63910.0	49759.3	26054.1	10804.0	4830.2
75°	13537.0	13404.5	15590.1	39741.2	56192.2	56642.6	37304.0	12221.3	4128.2	2282.7
77.5°	7258.6	7404.3	8821.6	23568.3	38818.4	39586.7	20354.1	3523.3	2101.6	1554.1
80°	2242.9	2366.5	3616.0	10790.7	21987.7	22451.3	7545.6	1567.4	1465.8	1108.2
82.5°	706.4	732.9	1686.6	4534.4	9126.2	9338.1	2185.5	887.5	1002.2	732.9
85°	203.1	207.5	750.6	1691.0	2256.2	2300.3	613.7	344.4	574.0	454.8
87.5°	22.1	70.6	282.6	282.6	198.7	194.3	66.2	75.1	163.4	57.4
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°
8733.3	0°	8733.3	8733.3	8733.3	8733.3	8733.3	8733.3	8733.3	8733.3	8733.3	8733.3
8773.0	2.5°	8750.9	8755.3	8697.9	8600.8	8494.8	8406.5	8296.2	8207.9	8146.0	8128.4
8852.5	5°	8812.7	8781.8	8618.5	8322.6	7969.4	7664.8	7324.8	7055.5	6878.9	6803.8
8936.4	7.5°	8905.5	8817.1	8459.5	7876.7	7201.2	6600.7	5991.4	5519.0	5218.8	5068.6
9015.8	10°	8984.9	8808.3	8194.6	7232.1	6198.9	5289.4	4468.2	3898.6	3580.7	3430.6
9108.6	12.5°	9060.0	8803.9	7850.2	6468.3	5068.6	3956.0	3192.2	2909.6	2821.3	2790.4
9258.7	15°	9201.3	8817.1	7417.5	5594.1	3942.8	2989.1	2710.9	2706.5	2724.2	2715.3
9488.3	17.5°	9395.5	8830.4	6927.4	4666.9	3042.1	2635.9	2622.6	2662.4	2688.9	2675.6
9775.2	20°	9647.2	8883.4	6406.5	3748.5	2613.8	2547.6	2578.5	2613.8	2635.9	2613.8
10159.4	22.5°	10000.4	8976.1	5836.9	3011.2	2476.9	2494.6	2521.1	2560.8	2582.9	2552.0
10649.5	25°	10433.1	9121.8	5276.2	2618.2	2410.7	2432.8	2472.5	2516.7	2543.2	2512.2
11267.6	27.5°	10993.8	9355.8	4759.6	2529.9	2344.5	2357.7	2415.1	2481.3	2516.7	2476.9
12146.2	30°	11806.2	9739.9	4313.6	2569.6	2304.7	2273.8	2353.3	2446.0	2485.8	2450.4
13342.7	32.5°	12883.5	10283.0	4039.9	2631.5	2287.1	2176.7	2251.8	2371.0	2437.2	2415.1
14905.7	35°	14296.4	11108.6	3933.9	2702.1	2273.8	2075.1	2128.1	2256.2	2371.0	2393.0
16874.9	37.5°	16009.5	12256.6	3964.8	2733.0	2234.1	1991.3	2017.7	2128.1	2278.2	2348.9
19091.3	40°	17956.6	13594.4	4141.5	2702.1	2189.9	1920.6	1925.0	2008.9	2141.4	2247.3
21475.5	42.5°	19965.5	15157.4	4468.2	2587.3	2150.2	1858.8	1845.6	1902.9	1991.3	2066.3
23855.3	45°	21877.3	16764.5	4790.5	2428.4	2101.6	1797.0	1766.1	1788.2	1805.8	1836.7
26173.3	47.5°	23546.2	17894.8	4697.8	2282.7	2035.4	1726.3	1673.4	1664.5	1611.5	1607.1
28244.0	50°	24698.6	18142.0	4172.4	2137.0	1938.3	1646.9	1563.0	1510.0	1417.3	1373.1
29793.7	52.5°	25065.1	17166.3	3408.5	1991.3	1779.3	1540.9	1421.7	1337.8	1223.0	1183.3
30685.6	55°	24579.4	15254.5	2724.2	1814.6	1558.6	1399.6	1267.2	1156.8	1064.1	1015.5
30782.8	57.5°	23391.7	12821.7	2154.6	1607.1	1324.6	1240.7	1108.2	997.8	918.4	869.8
29705.4	60°	21422.5	10181.4	1704.3	1359.9	1130.3	1068.5	931.6	861.0	790.3	732.9
26923.9	62.5°	18433.4	7267.4	1337.8	1077.3	944.9	874.2	794.7	741.8	657.9	578.4
21921.5	65°	14384.7	4446.1	1033.2	790.3	759.4	724.1	675.5	627.0	525.4	445.9
14300.8	67.5°	9073.2	2106.0	737.3	596.1	600.5	582.8	560.7	521.0	445.9	375.3
6406.5	70°	3995.8	1019.9	485.7	454.8	445.9	445.9	463.6	450.4	379.7	313.5
2225.3	72.5°	1359.9	547.5	362.0	344.4	322.3	317.9	388.5	375.3	304.6	242.8
1108.2	75°	710.8	366.5	264.9	247.3	194.3	234.0	309.1	291.4	216.3	158.9
732.9	77.5°	463.6	260.5	181.0	158.9	110.4	154.5	229.6	203.1	128.0	79.5
481.3	80°	291.4	172.2	106.0	75.1	53.0	83.9	123.6	88.3	48.6	17.7
282.6	82.5°	154.5	88.3	39.7	26.5	22.1	26.5	30.9	22.1	8.8	0.0
145.7	85°	61.8	30.9	13.2	8.8	4.4	0.0	8.8	4.4	0.0	0.0
26.5	87.5°	22.1	4.4	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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180°
8733.3
8159.3
6830.3
5090.7
3435.0
2781.6
2710.9
2671.2
2609.4
2547.6
2507.8
2476.9
2446.0
2415.1
2393.0
2366.5
2282.7
2097.2
1854.4
1602.7
1377.5
1178.9
1015.5
861.0
719.7
565.1
432.7
366.5
300.2
229.6
145.7
70.6
13.2
0.0
0.0
0.0
0.0

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