

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: P852973

Luminaire Tested: **GLAN-SB7D-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852973
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 70190 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B5 - U0 - G5

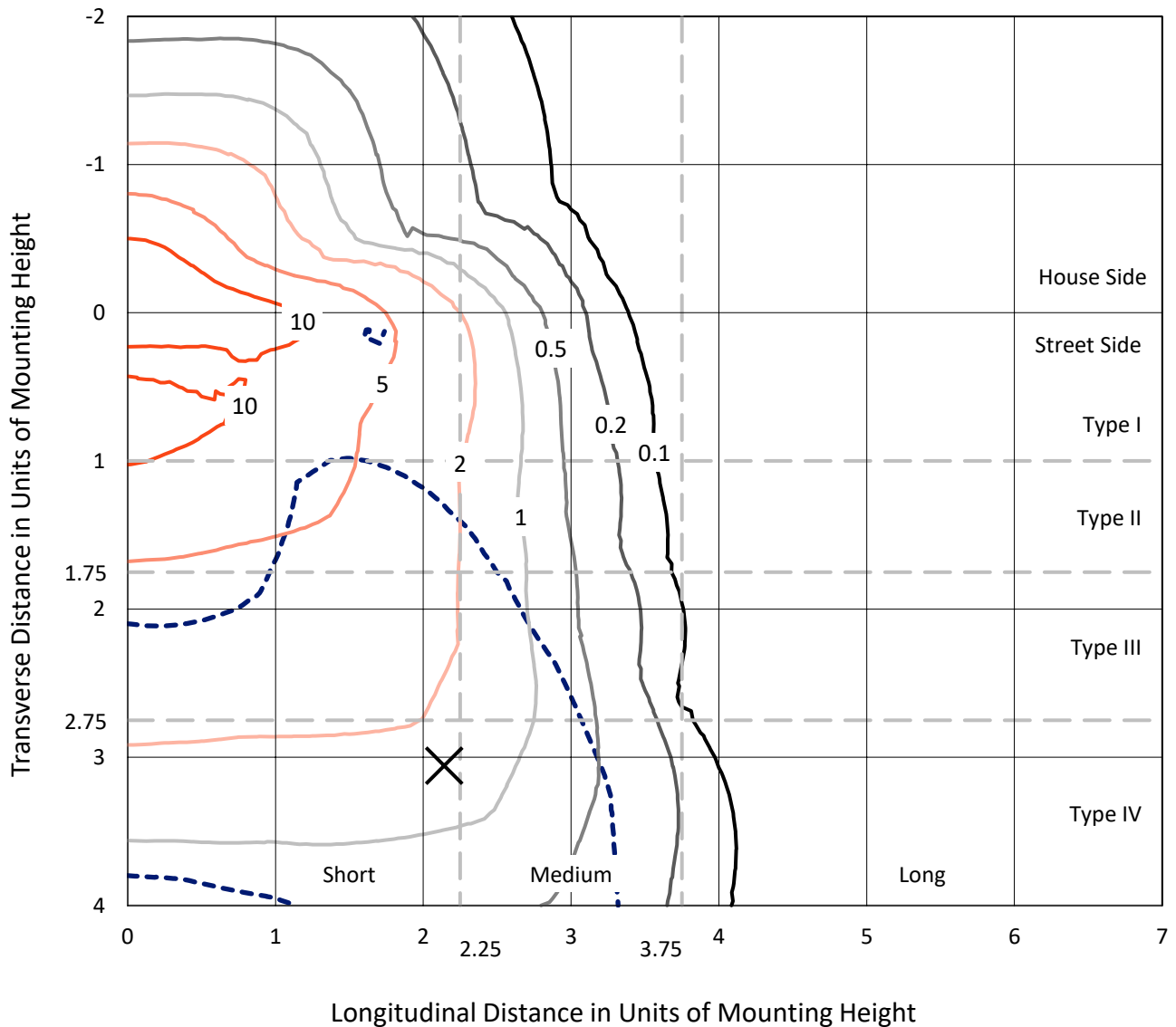
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

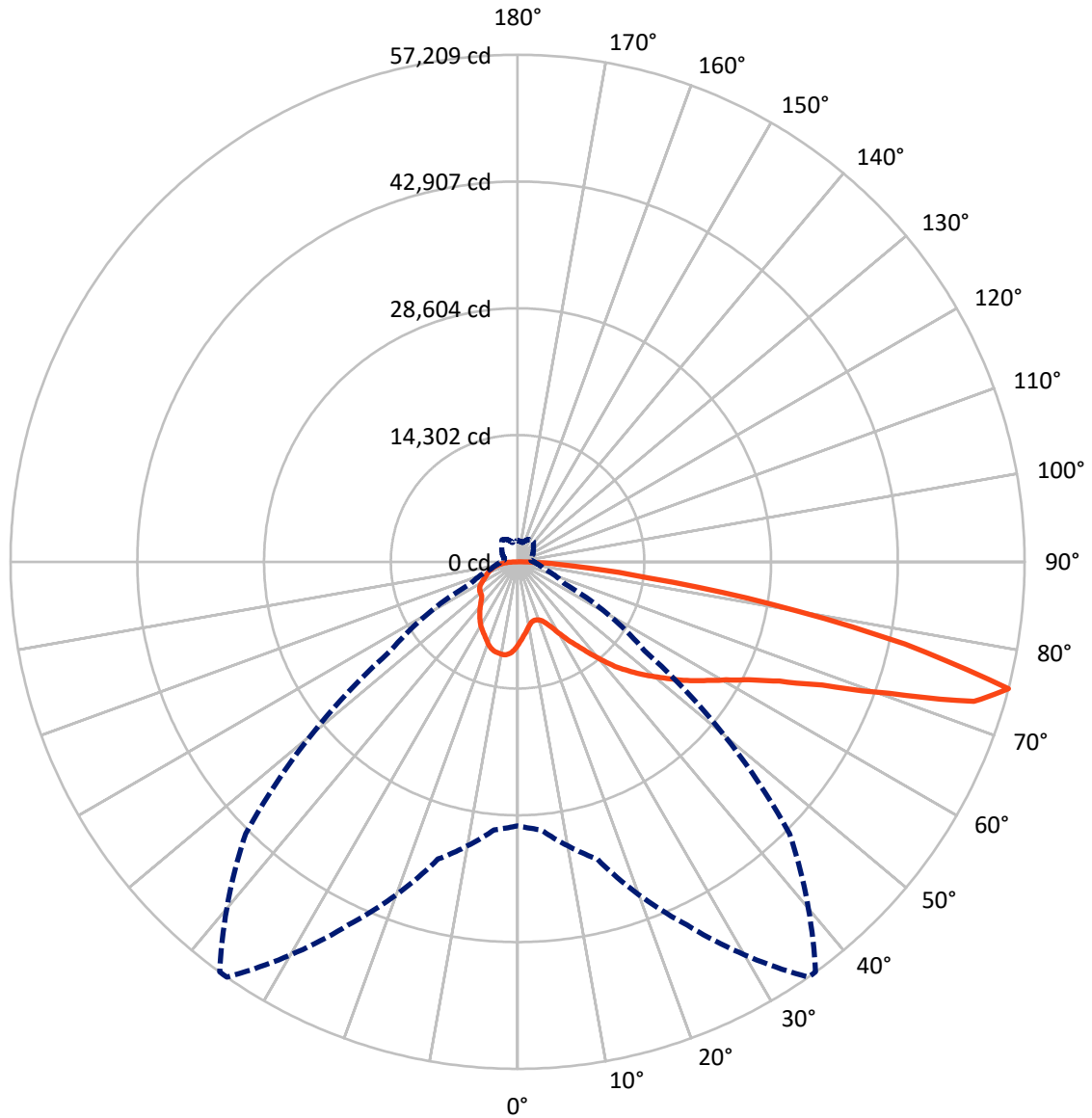
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16703.5	0.0	16703.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	53486.5	0.0	53486.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	70190.0	0.0	70190.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	885.6	1.3
10°-20°	2554.4	3.6
20°-30°	4289.4	6.1
30°-40°	6666.4	9.5
40°-50°	9894.7	14.1
50°-60°	13660.2	19.5
60°-70°	16573.0	23.6
70°-80°	13696.3	19.5
80°-90°	1970.0	2.8
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°	70190.0	100.0
0°-180°	70190.0	100.0

Coefficient of Utilization

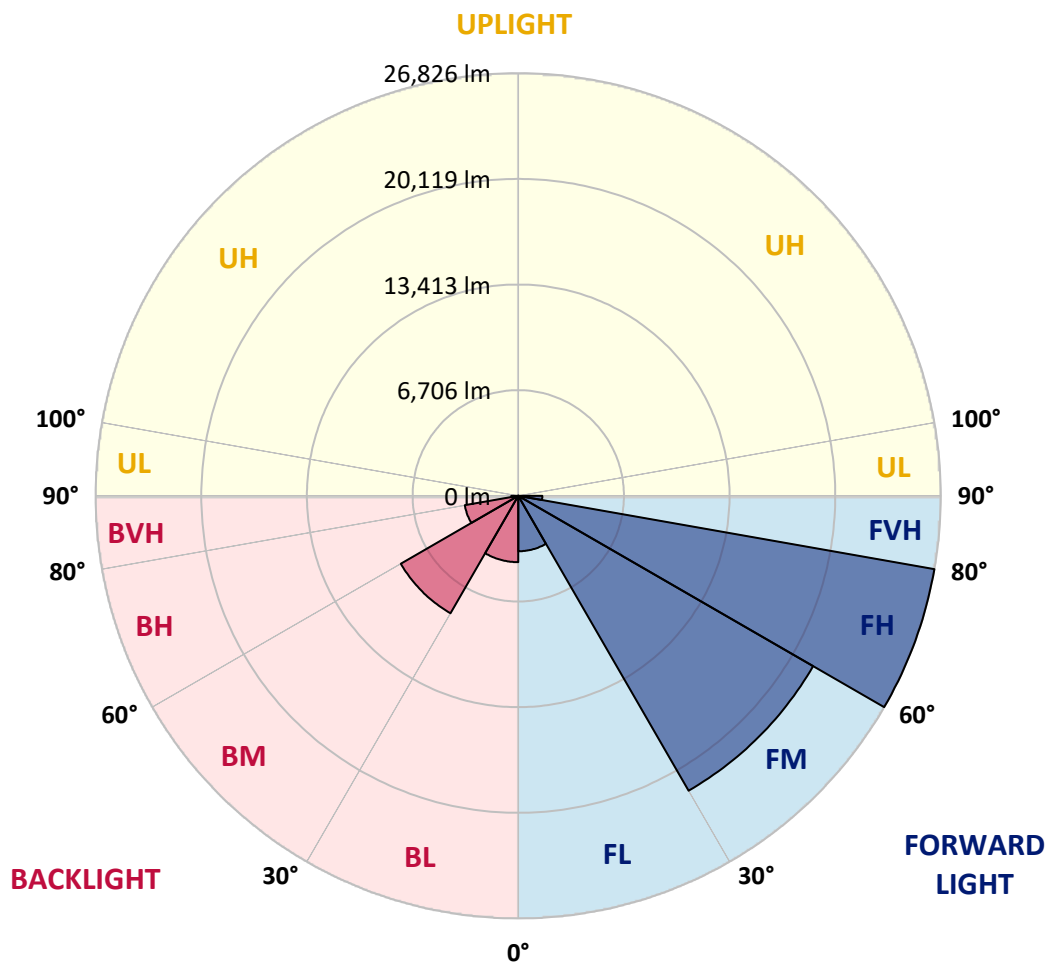


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3519.9	5.0			
FM (30°-60°)	21614.7	30.8			
FH (60°-80°)	26825.6	38.2			G5
FVH (80°-90°)	1526.4	2.2			G5
BL (0°-30°)	4209.5	6.0	B4/5000		
BM (30°-60°)	8606.6	12.3	B5		
BH (60°-80°)	3443.7	4.9	B4/5000		G4/5000
BVH (80°-90°)	443.6	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	9353.3	9353.3	9353.3	9353.3	9353.3	9353.3	9353.3	9353.3	9353.3	9353.3
2.5°	8624.8	8677.9	8700.6	8689.3	8746.2	8738.6	8818.3	8916.9	9053.5	9186.3
5°	7960.7	8017.6	8067.0	8112.5	8222.5	8256.7	8381.9	8571.6	8822.1	9076.3
7.5°	7342.2	7391.6	7467.5	7550.9	7736.9	7771.0	7979.7	8275.7	8624.8	8996.6
10°	6837.6	6886.9	6966.6	7061.5	7292.9	7334.7	7600.3	7994.9	8450.2	8920.7
12.5°	6621.3	6636.5	6682.0	6776.9	6978.0	7004.5	7296.7	7748.2	8279.5	8863.8
15°	6609.9	6640.3	6644.1	6693.4	6860.3	6871.7	7141.1	7588.9	8173.2	8852.4
17.5°	6723.7	6746.5	6712.4	6742.7	6883.1	6902.1	7114.6	7513.0	8139.1	8901.8
20°	7027.3	7046.3	6943.8	6902.1	7004.5	7019.7	7228.4	7562.3	8173.2	9004.2
22.5°	7672.4	7683.7	7433.3	7262.6	7270.1	7277.7	7459.9	7763.4	8306.0	9190.1
25°	8677.9	8670.3	8271.9	7941.8	7752.0	7710.3	7831.7	8089.7	8529.9	9436.8
27.5°	9854.2	9797.2	9398.8	8905.5	8492.0	8431.2	8404.7	8514.7	8848.6	9763.1
30°	11182.2	11129.1	10700.3	10055.3	9482.3	9383.6	9133.2	9076.3	9322.9	10207.0
32.5°	12639.3	12605.1	12092.9	11311.2	10544.7	10430.9	10009.7	9858.0	10051.5	10878.7
35°	13861.1	13830.7	13405.8	12601.3	11664.1	11523.7	11094.9	10924.2	11022.8	11740.0
37.5°	14965.3	14950.1	14585.8	13952.2	12984.6	12813.8	12331.9	12275.0	12256.0	12874.5
40°	15989.8	15951.8	15572.4	15238.5	14521.3	14365.7	13940.8	13891.4	13747.3	14270.9
42.5°	17124.3	17025.6	16475.5	16319.9	16126.4	15997.4	15743.1	15750.7	15432.0	15845.6
45°	18050.1	17993.2	17427.9	17336.8	17545.5	17492.4	17712.4	17769.4	17150.9	17496.2
47.5°	19044.3	18991.2	18513.1	18448.6	19013.9	19029.1	19807.0	19825.9	18828.0	19211.2
50°	20269.9	20194.0	19719.7	19799.4	20433.1	20490.0	21912.9	21783.9	20372.3	20952.9
52.5°	21078.1	21123.6	21021.2	21150.2	22015.3	22068.5	23984.6	23654.5	21901.5	22671.8
55°	21673.8	21764.9	22083.6	22379.6	23684.9	23738.0	25938.8	25434.1	23168.8	24265.4
57.5°	22440.3	22311.3	22907.0	23483.8	25271.0	25411.4	27839.8	27149.2	24292.0	25639.0
60°	23540.7	23449.6	23912.6	24766.3	27046.8	27270.6	29850.9	28693.5	25115.4	26728.0
62.5°	25771.8	25544.2	25616.3	26371.4	29285.5	29581.4	32119.9	30040.6	25525.2	27153.0
65°	29107.1	28716.3	28352.0	28875.7	32438.7	32730.8	34681.2	31099.2	25373.4	26329.6
67.5°	33307.6	32920.6	32472.8	32966.1	37083.1	37314.5	37841.9	31694.9	24178.2	23157.5
70°	36771.9	36627.7	37162.7	39192.8	44501.2	44508.8	41894.4	31201.7	20903.6	16418.5
72.5°	36312.8	36225.5	39044.8	45320.8	53850.7	53649.6	45730.6	27467.9	14081.2	7406.7
75°	29790.1	30355.5	34722.9	45210.7	57208.8	57182.2	43381.8	17462.0	5824.5	3069.7
77.5°	15974.6	16870.1	22542.8	33379.7	44660.5	45332.2	30499.7	6109.0	2500.5	1965.5
80°	5209.8	5991.4	8985.2	16995.3	29019.9	28894.7	13071.8	2398.1	1711.3	1392.6
82.5°	2212.2	2303.2	4014.5	8025.2	14893.2	14661.7	4162.5	1377.4	1202.8	952.4
85°	865.1	967.6	1772.0	3711.0	6450.5	6310.2	1502.6	683.0	770.3	622.3
87.5°	284.6	345.3	633.7	1271.1	2007.3	1935.2	368.1	235.3	333.9	284.6
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°
9353.3	0°	9353.3	9353.3	9353.3	9353.3	9353.3	9353.3	9353.3	9353.3	9353.3	9353.3
9379.9	2.5°	9433.0	9493.7	9565.8	9672.0	9763.1	9839.0	9918.7	9968.0	9987.0	10043.9
9395.0	5°	9501.3	9634.1	9812.4	9987.0	10157.7	10260.2	10351.2	10396.8	10438.5	10468.9
9436.8	7.5°	9615.1	9785.9	10066.6	10294.3	10438.5	10522.0	10582.7	10567.5	10582.7	10590.3
9482.3	10°	9713.8	9952.8	10286.7	10503.0	10613.0	10616.8	10601.7	10548.5	10522.0	10525.8
9550.6	12.5°	9831.4	10097.0	10457.5	10639.6	10670.0	10586.5	10522.0	10430.9	10396.8	10381.6
9653.1	15°	9990.8	10294.3	10643.4	10711.7	10635.8	10529.6	10419.5	10271.5	10195.7	10134.9
9827.6	17.5°	10184.3	10518.2	10787.6	10738.3	10575.1	10400.6	10222.2	9998.3	9842.8	9778.3
10066.6	20°	10453.7	10753.4	10897.6	10681.3	10434.7	10169.1	9865.5	9592.3	9448.2	9383.6
10370.2	22.5°	10780.0	11068.4	11003.9	10582.7	10233.6	9808.6	9429.2	9228.1	9156.0	9110.4
10761.0	25°	11170.8	11417.5	11079.8	10438.5	9903.5	9330.5	9038.4	8973.8	8939.7	8905.5
11239.1	27.5°	11679.3	11812.1	11136.7	10226.0	9387.4	8822.1	8715.8	8727.2	8715.8	8658.9
11903.2	30°	12350.9	12324.3	11189.8	9880.7	8795.5	8362.9	8370.5	8419.9	8427.4	8389.5
12829.0	32.5°	13235.0	12965.6	11216.4	9433.0	8230.1	7960.7	7968.3	8021.4	8059.4	7994.9
14039.4	35°	14305.0	13713.1	11174.6	8871.4	7793.8	7577.5	7520.6	7535.8	7547.1	7486.4
15507.9	37.5°	15553.4	14551.7	10988.7	8249.1	7433.3	7201.8	7080.4	6978.0	6917.3	6860.3
17169.8	40°	16923.2	15466.1	10647.2	7642.0	7031.1	6803.4	6621.3	6427.8	6222.9	6147.0
18930.5	42.5°	18357.5	16407.2	10233.6	7061.5	6568.2	6382.2	6188.7	5907.9	5600.6	5445.0
20759.4	45°	19844.9	17370.9	9827.6	6488.5	6093.9	6014.2	5790.3	5452.6	5118.7	4921.4
22592.1	47.5°	21302.0	18281.6	9231.9	5911.7	5649.9	5737.2	5562.6	5251.5	4879.6	4568.5
24409.6	50°	22694.5	19135.4	8256.7	5327.4	5289.4	5653.7	5486.8	5039.0	4614.0	4215.6
26193.0	52.5°	24075.7	19825.9	7008.3	4796.2	5095.9	5630.9	5388.1	4894.8	4375.0	3957.6
27870.2	55°	25248.2	20182.6	5805.5	4340.8	4815.1	5437.4	5270.5	4724.1	4037.3	3593.3
29019.9	57.5°	25916.0	19894.2	4803.8	3893.1	4428.1	5118.7	5069.4	4359.8	3635.1	3293.6
29243.7	60°	25627.6	18725.6	3984.2	3502.3	4060.0	4773.4	4720.3	3999.3	3327.7	3005.2
28044.7	62.5°	24037.8	16498.2	3335.3	3160.8	3726.1	4420.5	4371.2	3722.3	3092.5	2781.3
24861.2	65°	20835.3	13420.9	2830.7	2876.2	3388.4	3995.5	4067.6	3490.9	2906.5	2603.0
19234.0	67.5°	15891.1	9721.4	2436.0	2629.5	3058.3	3578.2	3786.9	3323.9	2751.0	2462.6
11129.1	70°	9057.3	5520.9	2102.1	2390.5	2766.1	3191.1	3570.6	3191.1	2584.0	2345.0
4170.1	72.5°	3434.0	2534.7	1817.5	2151.4	2485.4	2864.8	3331.5	2982.4	2390.5	2212.2
2155.2	75°	1832.7	1544.3	1529.2	1870.7	2162.8	2546.1	3031.8	2777.5	2246.3	2337.4
1491.2	77.5°	1248.4	1092.8	1278.7	1601.3	1809.9	2193.2	2713.0	2466.4	1946.5	1939.0
1032.1	80°	865.1	774.1	1039.7	1290.1	1400.1	1844.1	2367.7	2117.3	1586.1	1479.8
637.5	82.5°	519.8	504.7	777.9	963.8	990.3	1422.9	1961.7	1775.8	1297.7	1130.7
379.4	85°	284.6	299.8	497.1	565.4	576.8	994.1	1536.7	1373.6	997.9	838.6
136.6	87.5°	79.7	102.4	182.1	223.9	277.0	516.0	914.5	815.8	500.9	349.1
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°
9353.3
10040.1
10476.4
10601.7
10533.4
10374.0
10153.9
9782.1
9376.1
9118.0
8905.5
8670.3
8408.5
8025.2
7528.2
6898.3
6181.1
5464.0
4906.2
4534.4
4181.5
3912.1
3555.4
3248.0
2959.7
2732.0
2553.7
2417.1
2314.6
2181.8
2413.3
1787.2
1415.3
1138.3
846.2
349.1
0.0

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