

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: P954657

Luminaire Tested: **GLAN-SB7D-830-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-830-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 64900 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - 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

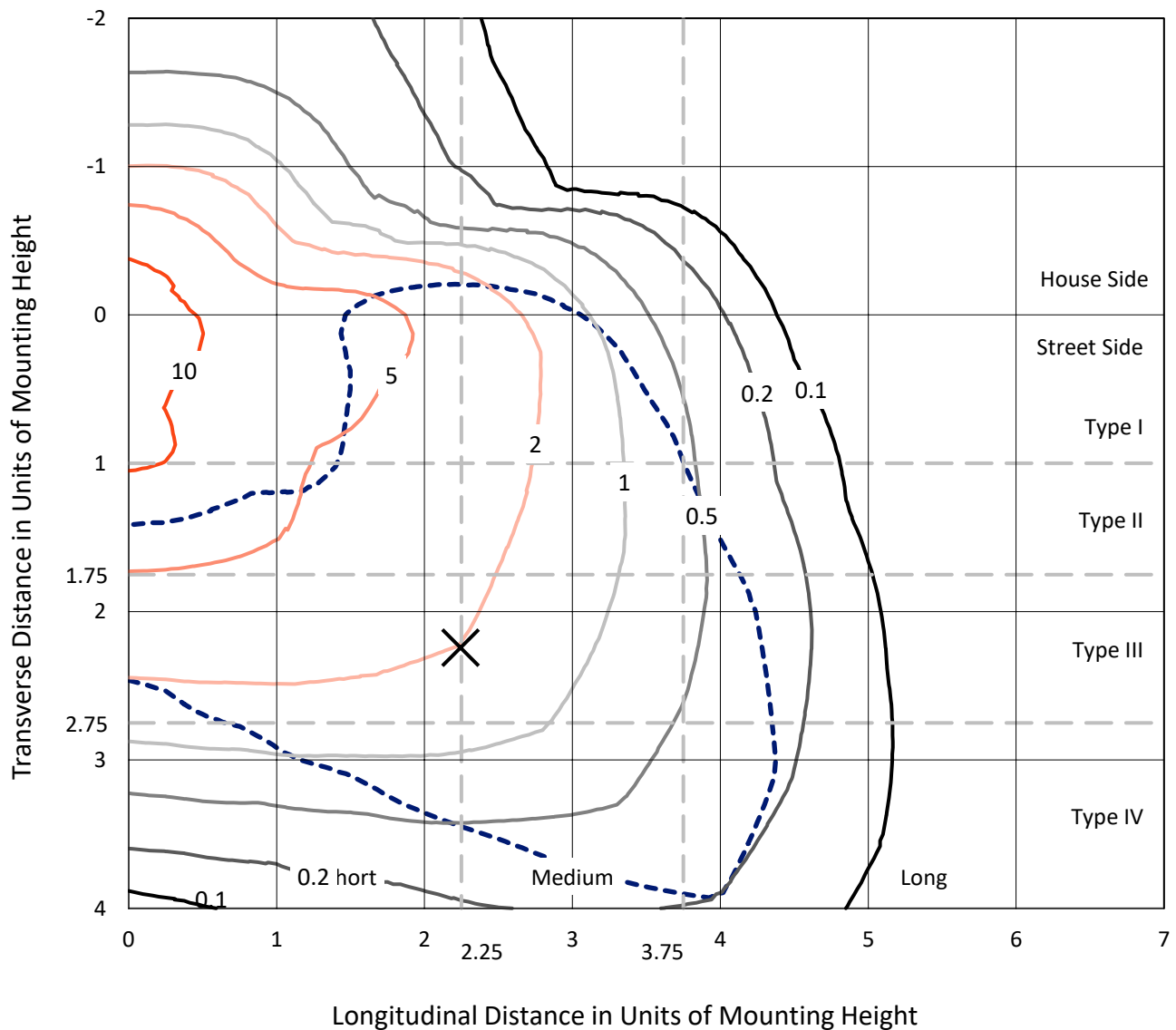


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

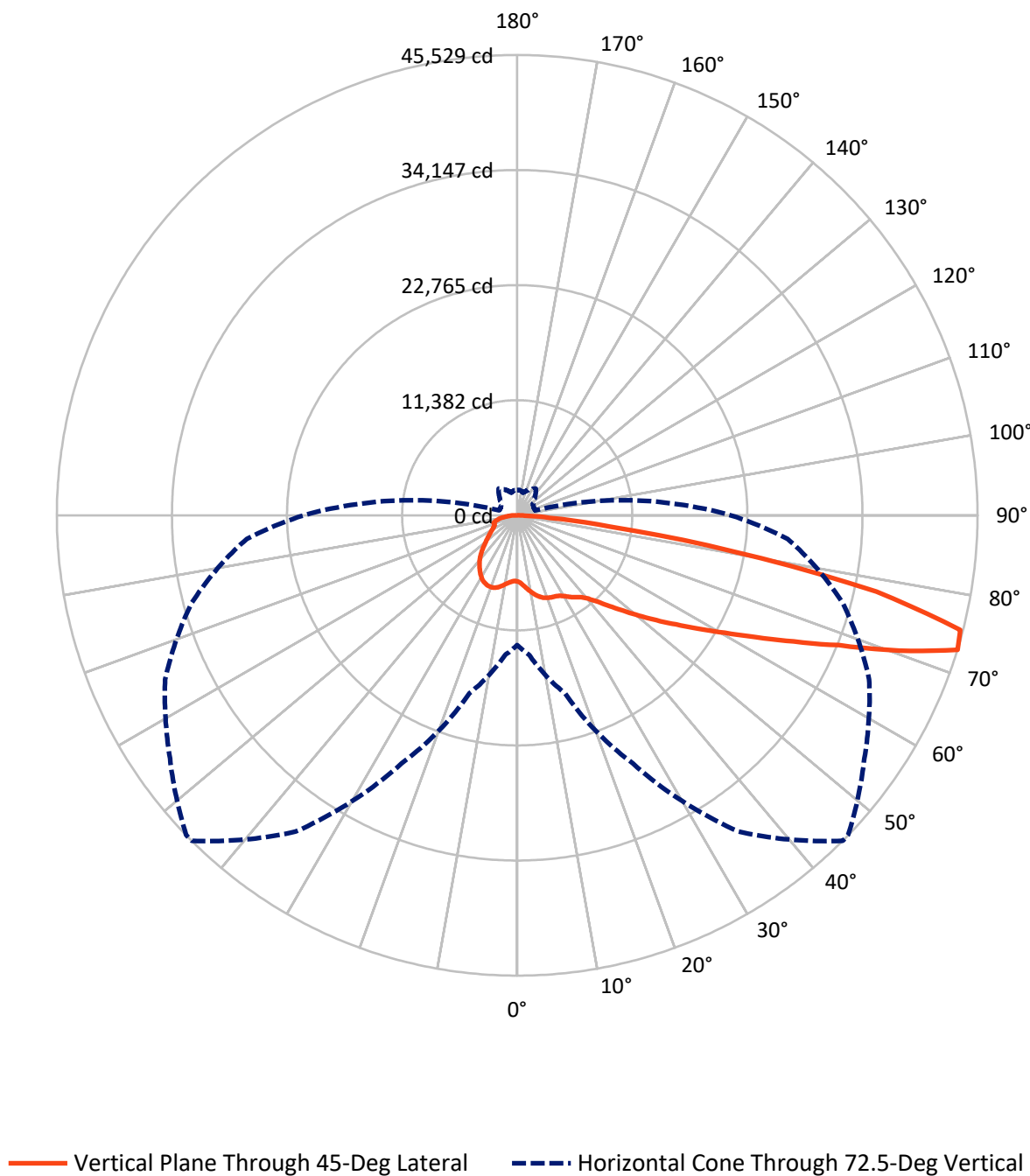


Based on 25 foot mounting height. Maximum calculated value = 13 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14671.7	0.0	14671.7
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	50228.3	0.0	50228.3
	% Fixture	77.4	0.0	77.4
Total	Lumens	64900.0	0.0	64900.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	666.4	1.0
10°-20°	2221.8	3.4
20°-30°	3864.9	6.0
30°-40°	5540.5	8.5
40°-50°	7801.4	12.0
50°-60°	11949.4	18.4
60°-70°	17310.5	26.7
70°-80°	13823.5	21.3
80°-90°	1721.7	2.7
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°	64900.0	100.0
0°-180°	64900.0	100.0

Coefficient of Utilization



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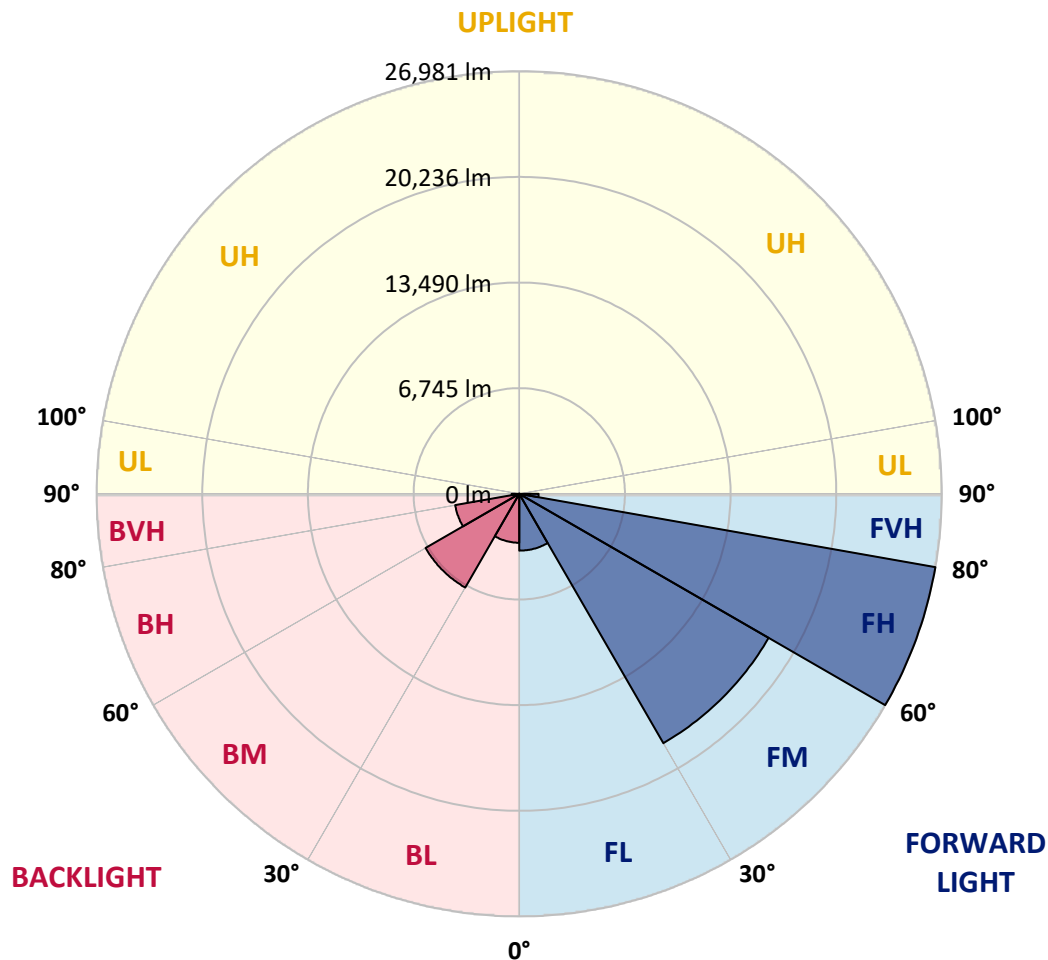
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3629.3	5.6			
FM	(30°-60°)	18383.1	28.3			
FH	(60°-80°)	26980.8	41.6			G5
FVH	(80°-90°)	1235.1	1.9			G5
BL	(0°-30°)	3123.7	4.8	B4/5000		
BM	(30°-60°)	6908.3	10.6	B4/8500		
BH	(60°-80°)	4153.2	6.4	B4/5000		G4/5000
BVH	(80°-90°)	486.5	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	6547.1	6547.1	6547.1	6547.1	6547.1	6547.1	6547.1	6547.1	6547.1	6547.1
2.5°	6803.6	6848.0	6807.0	6769.4	6752.3	6707.8	6704.4	6677.1	6660.0	6612.1
5°	7278.8	7336.9	7268.5	7193.3	7124.9	7015.5	7001.9	6923.2	6834.3	6731.8
7.5°	7815.5	7866.8	7788.2	7675.4	7555.7	7374.5	7371.1	7227.5	7087.3	6913.0
10°	8283.9	8352.3	8246.3	8092.5	7942.0	7736.9	7713.0	7548.9	7371.1	7145.5
12.5°	8697.6	8745.5	8642.9	8454.9	8280.5	8075.4	8044.6	7863.4	7665.1	7408.7
15°	9025.8	9087.4	8950.6	8748.9	8564.3	8362.6	8335.2	8171.1	7972.8	7702.7
17.5°	9241.2	9292.5	9152.3	8926.7	8748.9	8581.4	8560.9	8424.1	8249.7	7976.2
20°	9323.3	9378.0	9231.0	9001.9	8837.8	8707.9	8697.6	8598.5	8478.8	8229.2
22.5°	9405.3	9456.6	9265.2	9025.8	8882.2	8800.2	8796.8	8731.8	8683.9	8478.8
25°	9737.0	9750.6	9494.2	9148.9	8943.8	8872.0	8868.6	8865.1	8885.7	8725.0
27.5°	10024.1	10020.7	9801.9	9477.1	9159.2	9008.7	9005.3	9039.5	9104.5	8971.1
30°	10444.7	10407.1	10147.2	9808.8	9518.1	9285.7	9265.2	9234.4	9285.7	9179.7
32.5°	11337.0	11217.3	10796.8	10195.1	9815.6	9637.8	9610.5	9419.0	9439.5	9374.6
35°	12615.7	12458.4	11897.7	10926.7	10184.8	9931.8	9918.2	9675.4	9634.4	9576.3
37.5°	14137.1	13942.2	13289.2	11986.6	10820.7	10273.7	10253.2	10034.4	9866.9	9805.3
40°	15665.3	15419.1	14878.9	13278.9	11757.5	10844.7	10779.7	10448.1	10256.6	10154.1
42.5°	17149.1	16943.9	16482.4	14728.5	12913.1	11678.9	11535.3	10967.8	10824.2	10728.4
45°	18461.9	18277.3	17938.8	16277.3	14267.0	12813.9	12673.8	11747.3	11702.8	11702.8
47.5°	19528.6	19487.6	19128.6	17856.8	15863.6	14106.3	13863.5	12831.0	12950.7	13135.3
50°	20711.5	20598.7	20215.8	19412.4	17740.5	15586.7	15388.4	14161.0	14608.9	15114.8
52.5°	21798.8	21860.3	21432.9	21032.9	19860.2	17238.0	16889.2	15730.2	16697.8	17535.4
55°	22916.7	22920.1	22800.5	22745.8	22082.5	19063.7	18680.7	17617.5	19156.0	20195.3
57.5°	23966.3	23973.2	24150.9	24633.0	24660.3	21169.7	20735.5	19935.5	21887.6	22947.5
60°	24903.1	24951.0	25436.4	26564.7	26927.1	23583.4	23173.1	22674.0	24711.6	25778.3
62.5°	25217.6	25392.0	26472.4	28075.8	29166.4	26544.2	26140.7	25843.3	27679.2	28670.7
65°	24684.3	25084.3	27173.2	29323.7	31470.8	30062.2	29662.2	29337.4	30763.0	31696.4
67.5°	23374.9	23891.1	27132.2	30633.1	34267.4	34294.7	33922.1	33159.7	34069.1	34428.1
70°	19925.2	20697.9	24742.4	31122.0	37477.7	40082.9	39723.9	37761.5	37368.3	35631.5
72.5°	12837.9	13877.2	18219.2	27098.0	38192.3	45529.2	45508.7	41915.4	38411.1	33293.0
75°	4683.9	5319.8	8465.1	17008.9	32058.8	45252.2	45385.6	41204.3	35064.0	25716.8
77.5°	1706.0	1866.7	2762.5	6536.9	19716.7	36308.5	36585.4	32940.9	24957.8	12906.3
80°	895.7	984.6	1415.4	2536.8	8448.0	21562.8	21997.0	19576.5	11730.2	3887.3
82.5°	495.7	536.8	793.2	1377.8	3805.2	9220.7	9480.5	7733.5	4126.6	1647.9
85°	266.7	283.8	372.7	752.2	1859.9	3196.6	3268.4	2311.2	1644.5	967.5
87.5°	78.6	95.7	123.1	239.3	728.2	718.0	735.1	458.1	649.6	488.9
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°
6547.1	0°	6547.1	6547.1	6547.1	6547.1	6547.1	6547.1	6547.1	6547.1	6547.1	6547.1
6598.4	2.5°	6577.9	6567.7	6530.1	6513.0	6492.4	6489.0	6506.1	6509.5	6513.0	6516.4
6673.6	5°	6639.5	6605.3	6571.1	6550.6	6557.4	6560.8	6595.0	6618.9	6636.0	6649.7
6813.8	7.5°	6759.1	6731.8	6673.6	6670.2	6680.5	6711.3	6755.7	6810.4	6841.2	6865.1
6995.0	10°	6936.9	6885.6	6817.2	6827.5	6848.0	6892.5	6984.8	7029.2	7080.5	7124.9
7217.2	12.5°	7118.1	7073.7	6995.0	7001.9	7036.0	7114.7	7203.6	7258.3	7292.5	7326.7
7456.6	15°	7354.0	7275.4	7189.9	7189.9	7251.4	7336.9	7377.9	7422.4	7442.9	7480.5
7713.0	17.5°	7596.7	7494.2	7381.4	7374.5	7449.7	7490.8	7514.7	7521.5	7528.4	7569.4
7962.6	20°	7839.5	7726.7	7566.0	7552.3	7569.4	7562.6	7559.1	7552.3	7562.6	7613.8
8219.0	22.5°	8078.8	7948.9	7726.7	7665.1	7617.3	7552.3	7548.9	7545.5	7552.3	7603.6
8495.9	25°	8359.2	8201.9	7904.4	7719.8	7559.1	7470.2	7480.5	7483.9	7490.8	7531.8
8783.1	27.5°	8663.4	8489.1	8068.5	7702.7	7412.1	7350.6	7333.5	7343.7	7367.7	7432.6
9070.3	30°	8967.7	8762.6	8219.0	7634.3	7227.5	7142.0	7087.3	7111.3	7186.5	7251.4
9319.9	32.5°	9244.6	9039.5	8338.6	7483.9	6991.6	6858.3	6786.5	6817.2	6892.5	6916.4
9596.8	35°	9569.4	9336.9	8389.9	7244.6	6735.2	6530.1	6434.3	6389.9	6427.5	6403.6
9921.6	37.5°	9931.8	9689.1	8383.1	6930.1	6434.3	6198.4	6065.1	5897.6	5818.9	5736.9
10400.2	40°	10468.6	10119.9	8301.0	6550.6	6061.7	5846.3	5607.0	5323.2	5145.4	4984.7
11172.9	42.5°	11200.2	10718.2	8150.6	6133.5	5641.1	5439.4	5114.6	4783.0	4502.7	4236.0
12345.6	45°	12290.9	11501.1	7962.6	5689.0	5186.4	4988.1	4636.0	4263.3	3945.4	3603.5
14010.6	47.5°	13863.5	12554.1	7784.8	5183.0	4707.8	4526.6	4208.6	3863.3	3487.3	3155.6
16417.4	50°	16024.3	14065.3	7620.7	4690.7	4236.0	4099.2	3846.2	3494.1	3114.6	2847.9
19238.0	52.5°	18773.0	16120.0	7552.3	4215.5	3795.0	3743.7	3542.0	3213.7	2854.8	2629.1
22527.0	55°	21928.7	18578.2	7552.3	3760.8	3408.6	3425.7	3285.5	2981.3	2670.1	2468.4
25918.5	57.5°	25149.2	21067.1	7415.5	3340.2	3080.4	3152.2	3063.3	2796.6	2516.3	2307.7
29484.4	60°	28116.8	23152.6	6861.7	2957.3	2789.8	2902.6	2844.5	2615.4	2273.6	2099.2
32465.6	62.5°	30397.2	24328.7	5795.0	2653.0	2550.5	2680.4	2649.6	2376.1	2229.1	2157.3
34913.6	65°	31539.1	24137.3	4430.9	2383.0	2348.8	2550.5	2485.5	2475.3	2359.0	2277.0
35710.2	67.5°	30838.3	22489.4	3213.7	2184.7	2232.5	2430.8	2680.4	2721.4	2506.0	2345.3
33467.4	70°	27764.7	19508.1	2393.2	1996.6	2085.5	2434.2	3056.5	2847.9	2458.2	2270.1
26841.6	72.5°	21121.8	14547.3	1856.4	1798.3	1894.1	2451.3	3224.0	2789.8	2321.4	2509.5
16721.7	75°	12078.9	7986.5	1490.6	1555.6	1654.7	2290.6	3138.5	2639.4	2215.4	2304.3
6625.8	77.5°	4605.2	3070.2	1230.8	1316.3	1329.9	2000.0	3001.8	2629.1	2109.4	2058.2
1986.4	80°	1596.6	1200.0	1018.8	1046.2	1029.1	1777.8	2878.7	2287.2	1726.5	1545.3
820.5	82.5°	653.0	598.3	806.9	772.7	731.6	1381.2	2324.8	1870.1	1412.0	1247.9
396.6	85°	283.8	379.5	533.3	468.4	423.9	957.3	1863.3	1582.9	1193.2	1029.1
129.9	87.5°	58.1	143.6	225.6	212.0	218.8	639.3	1323.1	1124.8	844.5	632.5
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°
6547.1
6530.1
6656.6
6871.9
7114.7
7340.3
7494.2
7583.1
7634.3
7637.8
7586.5
7497.6
7323.2
7001.9
6478.8
5788.2
4995.0
4212.1
3562.5
3118.0
2830.8
2612.0
2447.9
2273.6
2071.8
2133.4
2249.6
2318.0
2239.4
2488.9
2304.3
1877.0
1494.0
1234.2
1025.7
495.7
0.0