

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: P957512

Luminaire Tested: **GLAN-SB9D-830-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-830-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 64153 lumens
Efficiency: N/A
Efficacy: 97.5 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): 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

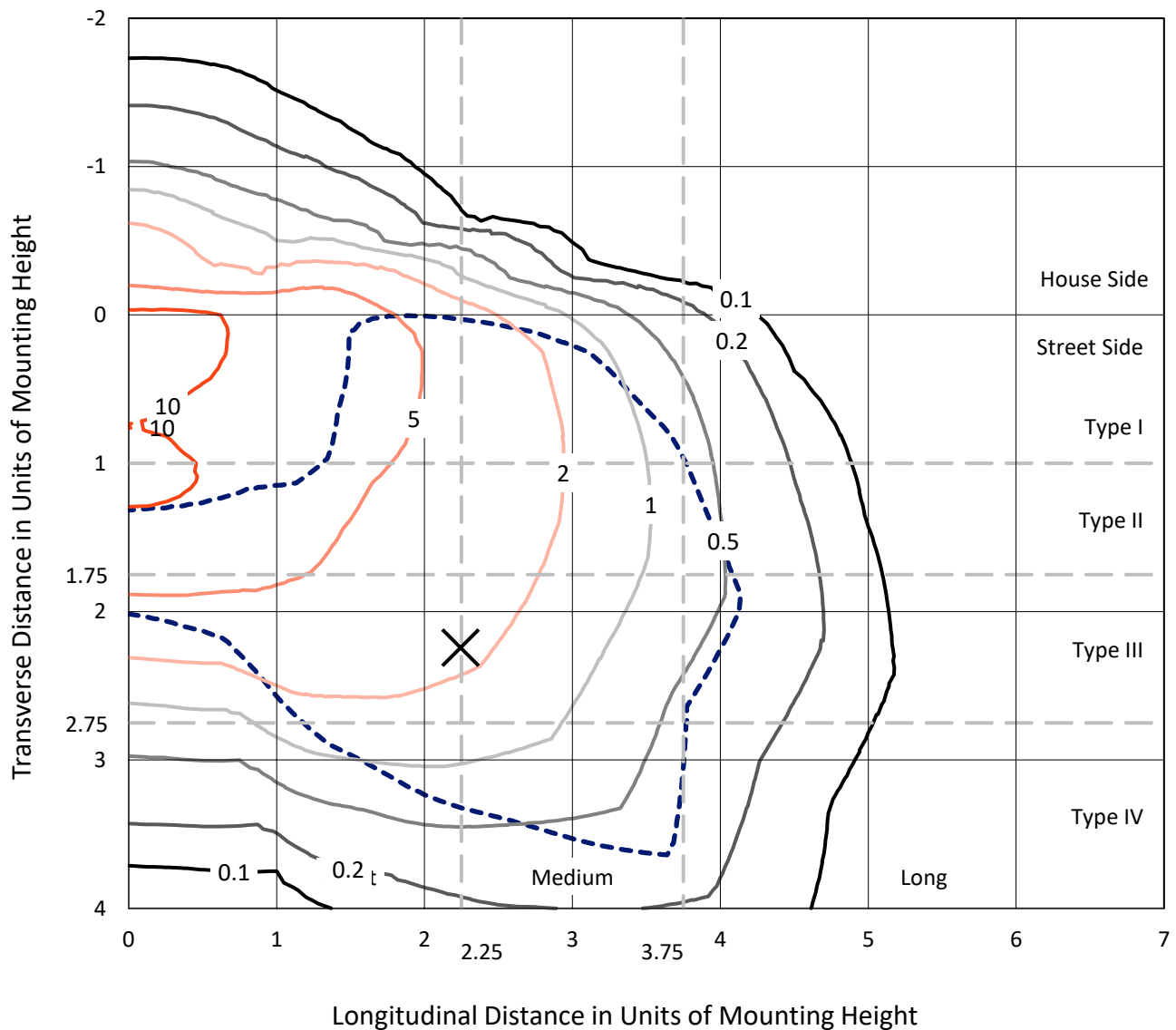


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

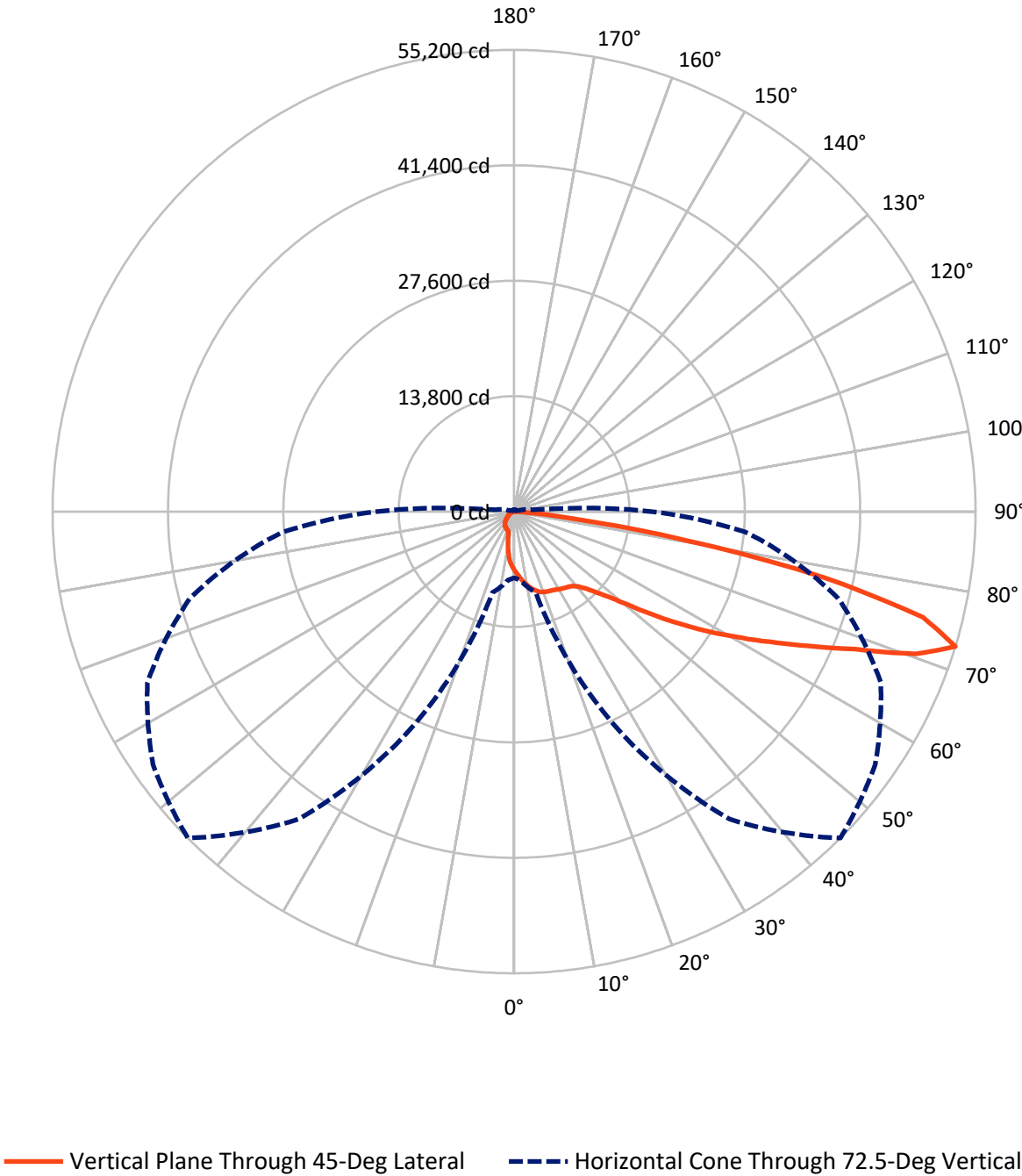


Based on 25 foot mounting height. Maximum calculated value = 15.4 fc

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	6740.7	0.0	6740.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	57412.3	0.0	57412.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	64153.0	0.0	64153.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	662.2	1.0
10°-20°	1935.3	3.0
20°-30°	3178.1	5.0
30°-40°	4507.2	7.0
40°-50°	7450.0	11.6
50°-60°	13383.1	20.9
60°-70°	18583.1	29.0
70°-80°	13479.6	21.0
80°-90°	974.5	1.5
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°	64153.0	100.0
0°-180°	64153.0	100.0

Coefficient of Utilization



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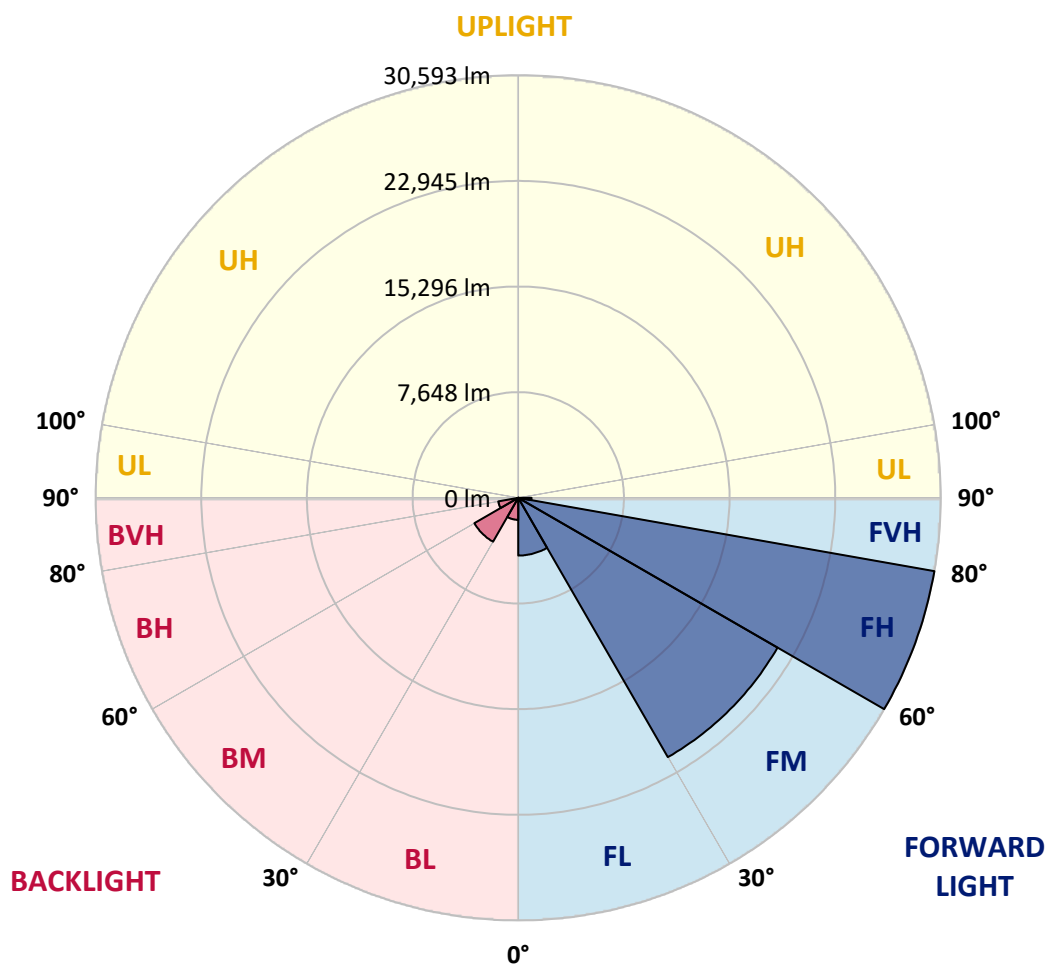
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4178.9	6.5			
FM	(30°-60°)	21674.3	33.8			
FH	(60°-80°)	30592.7	47.7			G5
FVH	(80°-90°)	966.3	1.5			G5
BL	(0°-30°)	1596.6	2.5	B3/2500		
BM	(30°-60°)	3666.0	5.7	B3/5000		
BH	(60°-80°)	1469.9	2.3	B3/2500		G3/2500
BVH	(80°-90°)	8.2	0.0			G0/10
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°	35°	45°	46°	55°	65°	75°
0°	7028.1	7028.1	7028.1	7028.1	7028.1	7028.1	7028.1	7028.1	7028.1	7028.1
2.5°	7676.2	7689.3	7680.6	7628.0	7540.4	7492.3	7466.0	7378.4	7321.5	7220.8
5°	8381.2	8433.7	8403.1	8298.0	8131.6	8013.3	7978.3	7798.8	7636.8	7448.5
7.5°	9130.0	9156.2	9099.3	8963.6	8740.2	8538.8	8508.2	8258.6	8000.2	7711.2
10°	9778.0	9808.7	9721.1	9524.1	9270.1	9020.5	8976.7	8700.8	8394.3	8039.6
12.5°	10321.0	10351.7	10237.8	10001.4	9721.1	9462.8	9419.0	9130.0	8792.8	8398.7
15°	10732.6	10789.6	10636.3	10382.3	10080.2	9821.8	9799.9	9515.3	9186.9	8749.0
17.5°	10973.5	11030.4	10885.9	10579.4	10321.0	10102.1	10075.8	9839.3	9532.8	9112.4
20°	11012.9	11065.4	10912.2	10645.1	10430.5	10255.3	10242.2	10071.4	9848.1	9445.2
22.5°	10894.6	10960.3	10820.2	10605.6	10456.8	10364.8	10347.3	10251.0	10124.0	9782.4
25°	10772.0	10824.6	10719.5	10531.2	10452.4	10443.6	10456.8	10439.2	10413.0	10124.0
27.5°	10763.3	10820.2	10702.0	10522.4	10478.7	10570.6	10583.7	10666.9	10688.8	10434.9
30°	10837.7	10877.1	10763.3	10575.0	10553.1	10763.3	10767.7	10916.5	10951.6	10697.6
32.5°	10999.7	11043.5	10929.7	10653.8	10623.2	10916.5	10929.7	11126.7	11183.7	10977.8
35°	11380.7	11433.2	11301.9	10872.8	10763.3	11061.0	11100.5	11332.5	11446.4	11275.6
37.5°	12330.9	12177.7	11998.1	11315.0	11082.9	11288.7	11354.4	11625.9	11827.3	11630.3
40°	14691.1	14209.5	13649.0	12068.2	11643.4	11774.8	11827.3	12098.8	12374.7	12182.0
42.5°	18233.6	17664.4	16762.3	13802.2	12488.6	12554.2	12593.7	12830.1	13219.8	13066.6
45°	21390.8	21185.0	20265.4	16762.3	14069.3	13745.3	13793.5	13916.1	14489.7	14432.8
47.5°	23816.7	23698.5	22989.1	20160.3	16740.4	15203.5	15339.2	15396.1	16223.7	16425.2
50°	25682.1	25638.3	25003.4	23181.8	20230.4	17353.5	17401.7	17279.0	18518.3	19017.5
52.5°	27442.4	27591.3	27122.8	25988.6	23956.8	20169.1	20160.3	19582.3	21255.1	22008.2
55°	29032.0	29084.5	29132.7	28852.4	27705.2	23374.4	23291.2	22345.4	24429.8	25209.2
57.5°	30525.2	30547.0	30976.2	31549.8	31606.7	26816.2	26663.0	25528.9	27897.8	28453.9
60°	31527.9	31628.6	32535.1	34129.0	34825.2	30367.5	30284.3	29128.3	31427.2	31685.6
62.5°	30082.9	30695.9	32981.7	36143.3	37864.1	34304.1	34264.7	33178.8	35140.5	34930.3
65°	24350.9	25388.7	29408.5	37505.1	40846.2	38700.5	38757.4	37601.4	38954.5	38271.4
67.5°	17033.8	18128.6	22884.0	37614.6	44178.5	43863.2	44191.6	42378.8	43005.0	41472.3
70°	11779.2	12344.1	15439.9	35258.7	46775.2	50974.5	50965.7	48246.5	47033.5	42930.5
72.5°	7921.4	8214.8	10027.6	27972.3	44866.0	55200.1	54946.1	52730.4	48391.0	40149.9
75°	3341.1	3555.6	4641.6	15720.2	35495.2	50501.6	49814.1	46600.0	42996.2	31615.5
77.5°	1059.7	1151.6	1830.4	5626.9	19551.7	37960.5	37233.6	29102.0	28817.4	15860.3
80°	503.6	586.8	1029.0	2259.5	7693.7	20646.4	20545.7	13202.3	12396.6	4282.5
82.5°	218.9	258.4	569.3	1208.6	3441.8	7365.3	7514.2	4492.7	3717.7	1624.6
85°	70.1	92.0	262.7	556.1	1453.8	1830.4	1808.5	1068.4	1497.6	884.5
87.5°	0.0	0.0	87.6	127.0	148.9	105.1	118.2	92.0	416.0	245.2
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°
7028.1	0°	7028.1	7028.1	7028.1	7028.1	7028.1	7028.1	7028.1	7028.1	7028.1	7028.1
7115.7	2.5°	7063.1	6993.1	6870.5	6756.6	6655.9	6555.2	6493.9	6406.3	6397.5	6397.5
7229.5	5°	7111.3	6997.4	6778.5	6546.4	6279.3	6025.3	5771.4	5526.1	5447.3	5390.4
7413.4	7.5°	7251.4	7071.9	6726.0	6283.7	5775.7	5219.6	4829.9	4409.5	4247.5	4159.9
7658.7	10°	7452.8	7207.6	6682.2	5907.1	5083.9	4326.3	3770.2	3314.8	3139.7	3065.2
7925.8	12.5°	7676.2	7374.0	6603.3	5438.6	4326.3	3419.9	2876.9	2666.7	2640.5	2640.5
8245.4	15°	7943.3	7575.5	6467.6	4886.8	3533.8	2706.1	2513.5	2522.2	2548.5	2566.0
8556.3	17.5°	8219.2	7790.0	6253.0	4269.4	2833.1	2434.7	2439.0	2452.2	2474.1	2491.6
8893.5	20°	8516.9	8004.6	5968.4	3612.6	2430.3	2355.8	2369.0	2382.1	2399.6	2408.4
9208.8	22.5°	8836.6	8206.0	5631.2	2968.9	2294.5	2290.2	2294.5	2307.7	2329.6	2329.6
9576.6	25°	9178.1	8429.3	5245.9	2500.3	2224.5	2224.5	2233.2	2242.0	2259.5	2259.5
9931.3	27.5°	9528.4	8635.1	4838.7	2255.1	2163.2	2158.8	2158.8	2171.9	2180.7	2185.1
10281.6	30°	9913.8	8876.0	4431.4	2202.6	2115.0	2093.1	2080.0	2088.7	2097.5	2101.9
10649.4	32.5°	10307.9	9108.1	4068.0	2224.5	2066.8	2027.4	1983.6	1974.9	1974.9	1992.4
11030.4	35°	10745.8	9362.0	3787.7	2298.9	2040.6	1931.1	1861.0	1821.6	1826.0	1852.3
11485.8	37.5°	11271.2	9668.6	3581.9	2364.6	2023.0	1821.6	1707.8	1659.6	1628.9	1659.6
12112.0	40°	11958.7	10119.6	3433.0	2417.1	2001.1	1694.6	1541.4	1462.5	1405.6	1423.1
13084.1	42.5°	12970.2	10829.0	3376.1	2421.5	1953.0	1545.7	1370.6	1265.5	1182.3	1186.7
14546.6	45°	14389.0	11950.0	3669.5	2364.6	1847.9	1383.7	1191.1	1050.9	998.4	985.2
16731.7	47.5°	16333.2	13583.3	4348.2	2246.4	1694.6	1226.1	1015.9	897.7	858.3	836.4
19599.9	50°	18938.6	15680.8	5101.4	2115.0	1541.4	1077.2	871.4	797.0	770.7	748.8
23002.2	52.5°	21960.1	17808.9	5718.8	1983.6	1388.1	945.8	779.4	735.7	713.8	696.2
26286.4	55°	24731.9	19275.8	5683.8	1843.5	1239.2	840.7	713.8	687.5	661.2	643.7
29115.2	57.5°	26457.2	19481.6	4685.4	1690.2	1068.4	757.5	652.5	634.9	604.3	582.4
31562.9	60°	27249.8	18308.1	3284.2	1488.8	897.7	678.7	586.8	578.0	538.6	507.9
33879.4	62.5°	27394.3	16127.4	2189.4	1239.2	748.8	604.3	521.1	507.9	455.4	402.9
35762.3	65°	26807.5	13009.6	1515.1	967.7	639.3	525.5	446.6	420.4	363.4	310.9
36208.9	67.5°	24950.8	9134.3	1055.3	696.2	543.0	416.0	354.7	345.9	302.1	258.4
33931.9	70°	21548.5	5206.5	705.0	521.1	429.1	284.6	280.2	289.0	245.2	210.2
27722.7	72.5°	16521.5	2382.1	437.9	381.0	293.4	192.7	223.3	227.7	188.3	157.6
17296.6	75°	9725.5	1020.3	275.9	245.2	148.9	127.0	162.0	166.4	127.0	100.7
6323.1	77.5°	3310.4	385.3	175.2	144.5	74.4	70.1	105.1	105.1	70.1	39.4
1269.9	80°	753.2	144.5	87.6	56.9	35.0	30.7	35.0	30.7	17.5	4.4
389.7	82.5°	214.6	56.9	35.0	21.9	13.1	13.1	4.4	0.0	0.0	0.0
135.7	85°	61.3	26.3	8.8	8.8	0.0	0.0	0.0	0.0	0.0	0.0
48.2	87.5°	26.3	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°
7028.1
6419.4
5416.7
4173.1
3065.2
2640.5
2566.0
2491.6
2412.8
2338.3
2263.9
2189.4
2110.6
2005.5
1865.4
1650.8
1414.4
1169.2
967.7
823.2
744.4
691.9
634.9
578.0
499.2
376.6
293.4
245.2
192.7
140.1
87.6
30.7
0.0
0.0
0.0
0.0
0.0