

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: P951418

Luminaire Tested: **GLAN-SB5C-827-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-827-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25141 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 249.5
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



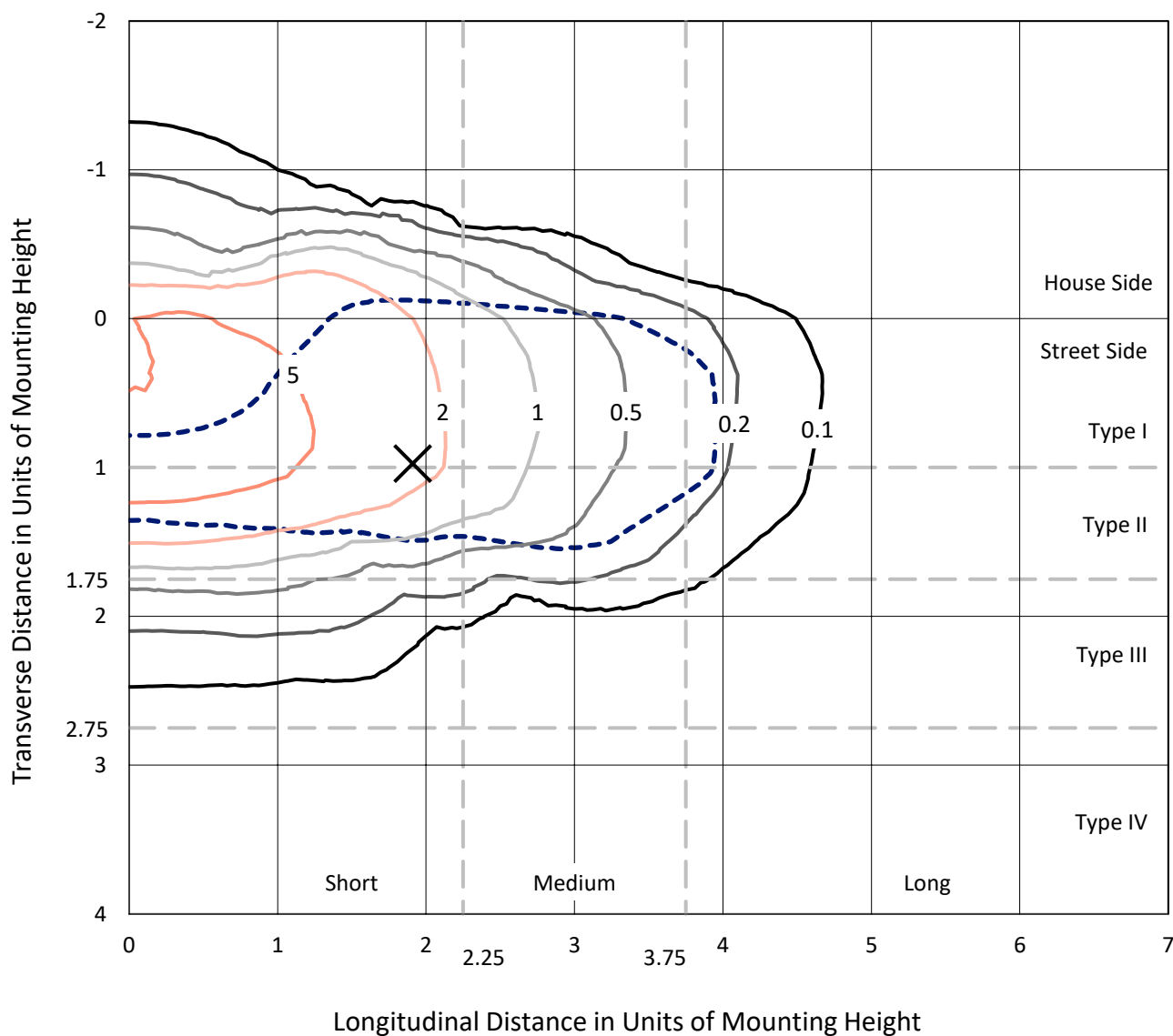
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

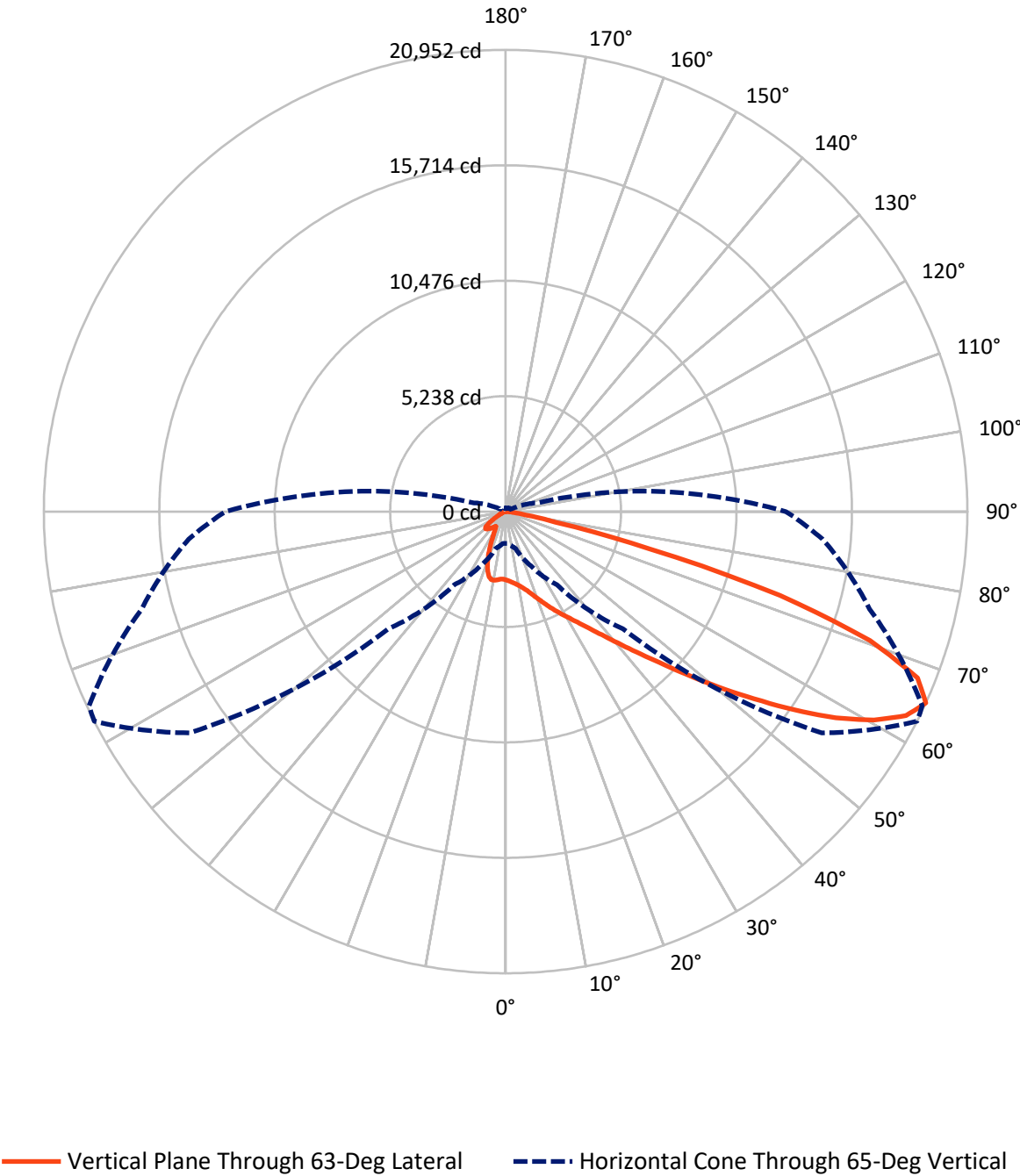


Based on 25 foot mounting height. Maximum calculated value = 8.5 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3695.5	0.0	3695.5
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	21445.5	0.0	21445.5
	% Fixture	85.3	0.0	85.3
Total	Lumens	25141.0	0.0	25141.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.3	1.2
10°-20°	811.2	3.2
20°-30°	1412.4	5.6
30°-40°	2545.8	10.1
40°-50°	5049.1	20.1
50°-60°	6877.7	27.4
60°-70°	5489.7	21.8
70°-80°	2484.2	9.9
80°-90°	178.6	0.7
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°	25141.0	100.0
0°-180°	25141.0	100.0

Coefficient of Utilization



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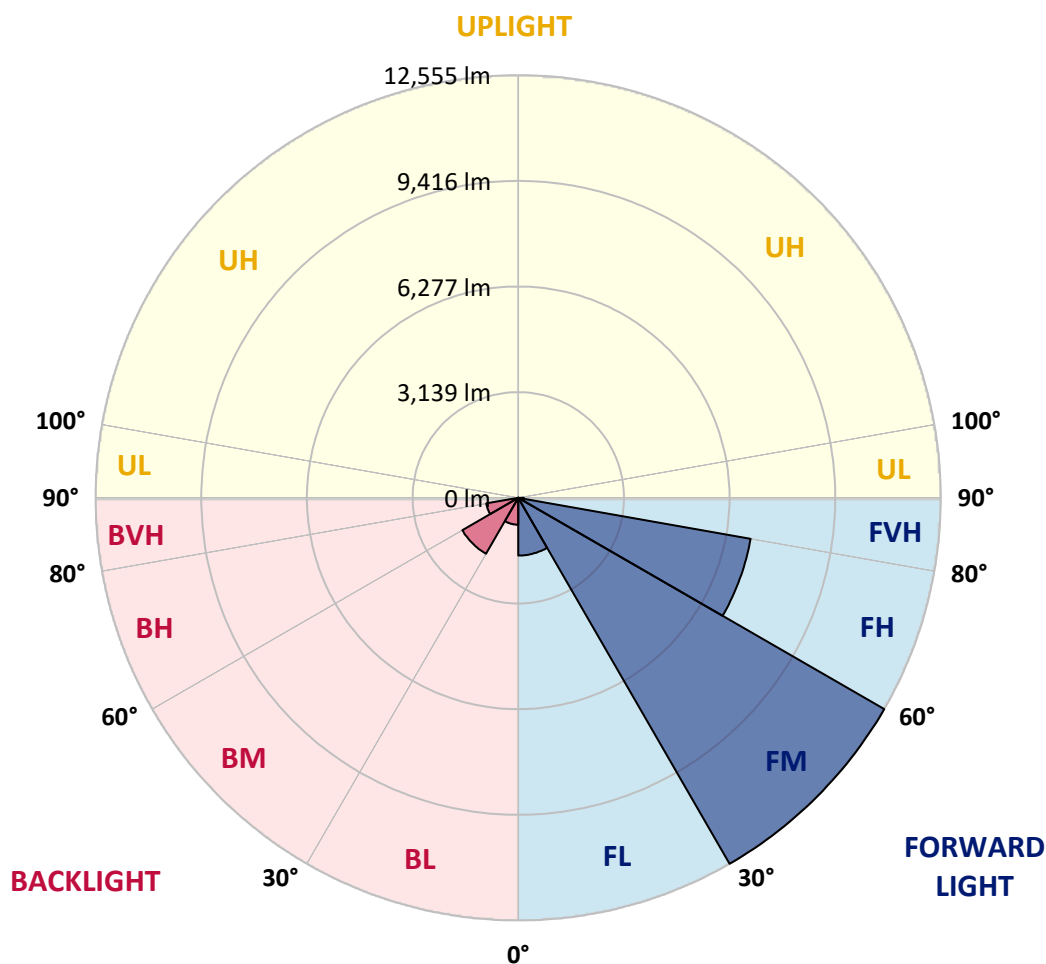
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1716.2	6.8			
FM	(30°-60°)	12554.8	49.9			
FH	(60°-80°)	7009.2	27.9			G3/7500
FVH	(80°-90°)	165.3	0.7			G2/225
BL	(0°-30°)	799.8	3.2	B2/1000		
BM	(30°-60°)	1917.8	7.6	B2/2500		
BH	(60°-80°)	964.8	3.8	B2/1000		G2/1000
BVH	(80°-90°)	13.3	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	3102.9	3102.9	3102.9	3102.9	3102.9	3102.9	3102.9	3102.9	3102.9	3102.9
2.5°	3175.5	3166.9	3179.0	3173.8	3170.3	3163.4	3160.0	3156.5	3149.6	3144.4
5°	3184.2	3179.0	3191.1	3201.5	3211.8	3222.2	3227.4	3234.3	3227.4	3213.6
7.5°	3111.5	3108.1	3134.0	3165.1	3211.8	3251.6	3294.9	3319.1	3320.8	3315.6
10°	3106.3	3097.7	3123.6	3161.7	3222.2	3293.1	3369.2	3421.1	3428.0	3450.5
12.5°	3187.6	3179.0	3215.3	3256.8	3319.1	3393.4	3486.8	3559.5	3569.9	3601.0
15°	3324.3	3312.2	3353.7	3407.3	3486.8	3571.6	3670.2	3735.9	3744.6	3782.6
17.5°	3483.4	3471.3	3519.7	3576.8	3663.3	3779.1	3893.3	3965.9	3976.3	4000.5
20°	3687.5	3671.9	3710.0	3761.8	3853.5	3991.9	4128.5	4232.3	4230.6	4230.6
22.5°	3924.4	3900.2	3933.1	3974.6	4061.1	4228.8	4410.4	4533.2	4533.2	4484.8
25°	4178.7	4154.5	4190.8	4228.8	4304.9	4495.2	4707.9	4860.1	4867.1	4784.0
27.5°	4496.9	4465.8	4493.5	4538.4	4583.4	4777.1	5029.6	5206.0	5209.5	5081.5
30°	5109.2	5021.0	4934.5	4886.1	4906.8	5098.8	5368.6	5564.1	5581.4	5405.0
32.5°	6230.0	6212.7	5908.3	5510.5	5302.9	5444.7	5747.4	5982.6	5993.0	5766.4
35°	7971.7	7950.9	7461.4	6703.9	6027.6	5908.3	6207.5	6485.9	6479.0	6223.0
37.5°	10050.6	10031.6	9386.5	8372.9	7278.1	6608.7	6800.7	7093.0	7136.3	6800.7
40°	11826.9	11756.0	11347.8	10370.6	8938.5	7771.0	7644.8	7838.5	7883.4	7485.6
42.5°	13172.5	13112.0	12904.4	12293.9	10948.3	9490.2	8639.3	8713.6	8763.8	8286.4
45°	13869.5	13855.7	13938.7	13881.6	12996.1	11600.3	10061.0	9751.4	9770.4	9173.7
47.5°	13968.1	13961.2	14340.0	14876.2	14756.8	13980.2	11885.7	11045.1	10977.7	10175.1
50°	13387.0	13373.1	14099.6	15104.5	15932.9	15979.6	13957.7	12503.2	12354.4	11211.2
52.5°	11531.1	11527.7	12721.1	14393.6	16346.3	17730.0	16005.6	14104.8	13855.7	12307.7
55°	8872.8	8936.8	10304.9	12281.8	15592.2	18572.3	17844.1	15882.8	15500.5	13411.2
57.5°	6285.3	6378.7	7731.2	9492.0	13253.8	18074.2	19087.7	17664.2	17252.6	14511.2
60°	3376.1	3459.2	4813.4	6914.9	9860.4	16216.6	19743.2	19210.5	18821.3	15555.9
62.5°	2011.5	2039.2	2599.6	4464.1	6669.3	12389.0	19464.7	20388.3	20068.4	16432.8
65°	1444.2	1449.4	1731.3	2725.8	4049.0	7527.2	17512.0	20952.2	20853.6	17093.5
67.5°	1215.9	1212.4	1330.1	1810.9	2758.7	3770.5	13421.6	20154.8	20573.4	17512.0
70°	1042.9	1048.1	1186.5	1326.6	2073.8	2134.3	6672.7	17548.4	18440.8	17622.7
72.5°	776.6	793.9	921.9	1209.0	1565.3	1468.4	2303.8	13011.7	14625.4	16604.0
75°	548.3	556.9	648.6	1017.0	1167.5	1068.9	1176.1	6726.4	8794.9	12729.7
77.5°	422.0	437.6	491.2	710.9	1150.2	750.6	719.5	2328.0	3576.8	7689.7
80°	228.3	256.0	354.6	513.7	807.7	531.0	356.3	927.1	1212.4	3595.8
82.5°	117.6	131.4	247.3	370.1	460.1	463.5	176.4	385.7	499.8	1110.4
85°	46.7	57.1	166.0	204.1	237.0	228.3	79.6	155.7	179.9	307.9
87.5°	10.4	17.3	60.5	46.7	45.0	48.4	19.0	36.3	34.6	36.3
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°
3102.9	0°	3102.9	3102.9	3102.9	3102.9	3102.9	3102.9	3102.9	3102.9	3102.9	3102.9
3123.6	2.5°	3121.9	3115.0	3096.0	3075.2	3051.0	3037.2	3028.5	3026.8	3014.7	3006.0
3192.8	5°	3173.8	3166.9	3130.5	3087.3	3040.6	3004.3	2969.7	2938.6	2893.6	2884.9
3293.1	7.5°	3277.6	3258.5	3199.7	3140.9	3052.7	2947.2	2819.2	2672.2	2540.8	2501.0
3426.3	10°	3405.6	3379.6	3305.2	3201.5	3006.0	2718.9	2409.3	2122.2	1893.9	1829.9
3583.7	12.5°	3550.8	3528.4	3429.8	3237.8	2810.6	2290.0	1816.1	1459.8	1238.4	1183.0
3751.5	15°	3723.8	3690.9	3554.3	3182.4	2461.2	1740.0	1247.0	1036.0	956.5	946.1
3943.5	17.5°	3907.1	3853.5	3665.0	2983.5	1990.8	1236.7	963.4	902.8	868.3	857.9
4137.2	20°	4074.9	4005.7	3730.7	2682.6	1487.4	963.4	863.1	823.3	792.1	780.0
4330.9	22.5°	4242.7	4144.1	3730.7	2272.7	1115.6	854.4	792.1	755.8	719.5	703.9
4538.4	25°	4417.4	4285.9	3665.0	1816.1	897.7	783.5	724.7	684.9	653.8	634.8
4735.6	27.5°	4586.9	4405.3	3514.5	1383.7	799.1	721.2	662.4	624.4	595.0	581.1
4950.1	30°	4747.7	4522.9	3303.5	1049.9	735.1	660.7	605.4	572.5	543.1	529.3
5228.5	32.5°	4965.6	4671.6	3078.7	861.3	679.7	603.6	553.5	522.3	496.4	486.0
5590.0	35°	5268.3	4891.3	2884.9	845.8	633.0	556.9	506.8	477.4	451.4	442.8
6057.0	37.5°	5697.3	5245.8	2782.9	949.5	595.0	515.4	468.7	437.6	413.4	406.5
6650.3	40°	6226.5	5726.7	2838.2	1053.3	569.0	479.1	434.1	403.0	382.2	373.6
7331.7	42.5°	6854.3	6319.9	3144.4	1132.9	551.7	448.0	401.3	366.7	352.8	349.4
8104.8	45°	7575.6	6972.0	3613.1	1217.6	524.1	418.6	368.4	342.5	332.1	330.4
8945.4	47.5°	8395.4	7688.0	4156.2	1323.1	496.4	390.9	342.5	325.2	316.5	313.1
9822.3	50°	9208.3	8409.2	4714.8	1381.9	473.9	364.9	321.7	307.9	300.9	299.2
10749.4	52.5°	10059.3	9151.2	5166.3	1326.6	454.9	344.2	304.4	294.0	287.1	285.4
11603.8	55°	10870.4	9751.4	5244.1	1126.0	416.8	323.4	285.4	280.2	271.5	271.5
12470.3	57.5°	11569.2	10052.3	4694.1	826.7	378.8	292.3	266.4	261.2	254.2	252.5
13252.1	60°	12210.9	9965.9	3623.5	556.9	337.3	261.2	242.1	238.7	231.8	223.1
13931.8	62.5°	12572.3	9585.4	2478.5	363.2	295.8	228.3	214.5	212.7	197.2	179.9
14435.1	65°	12709.0	8803.6	1546.2	264.6	247.3	195.4	185.1	181.6	159.1	140.1
14720.5	67.5°	12589.6	7516.8	780.0	209.3	195.4	162.6	152.2	152.2	136.6	119.3
14703.2	70°	12112.3	5635.0	328.6	167.8	150.5	124.5	124.5	131.4	115.9	96.9
13940.5	72.5°	11076.3	3791.2	174.7	128.0	112.4	88.2	102.0	107.2	91.7	72.6
11410.1	75°	8805.3	2312.5	121.1	95.1	70.9	62.3	77.8	81.3	62.3	48.4
7822.9	77.5°	6022.4	1328.3	81.3	60.5	45.0	36.3	53.6	50.2	32.9	22.5
3016.4	80°	2644.5	553.5	46.7	27.7	17.3	13.8	19.0	13.8	10.4	6.9
413.4	82.5°	309.6	129.7	17.3	10.4	6.9	3.5	1.7	0.0	0.0	0.0
126.3	85°	64.0	15.6	8.6	3.5	1.7	0.0	0.0	0.0	0.0	0.0
22.5	87.5°	12.1	3.5	1.7	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°
3102.9
3014.7
2881.5
2482.0
1805.7
1167.5
935.7
852.7
773.1
695.3
627.8
581.1
531.0
486.0
442.8
404.7
371.9
349.4
328.6
313.1
299.2
285.4
269.8
250.8
221.4
176.4
138.4
117.6
95.1
72.6
46.7
24.2
6.9
0.0
0.0
0.0
0.0