

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: P850307

Luminaire Tested: **GLAN-SB7D-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54826 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

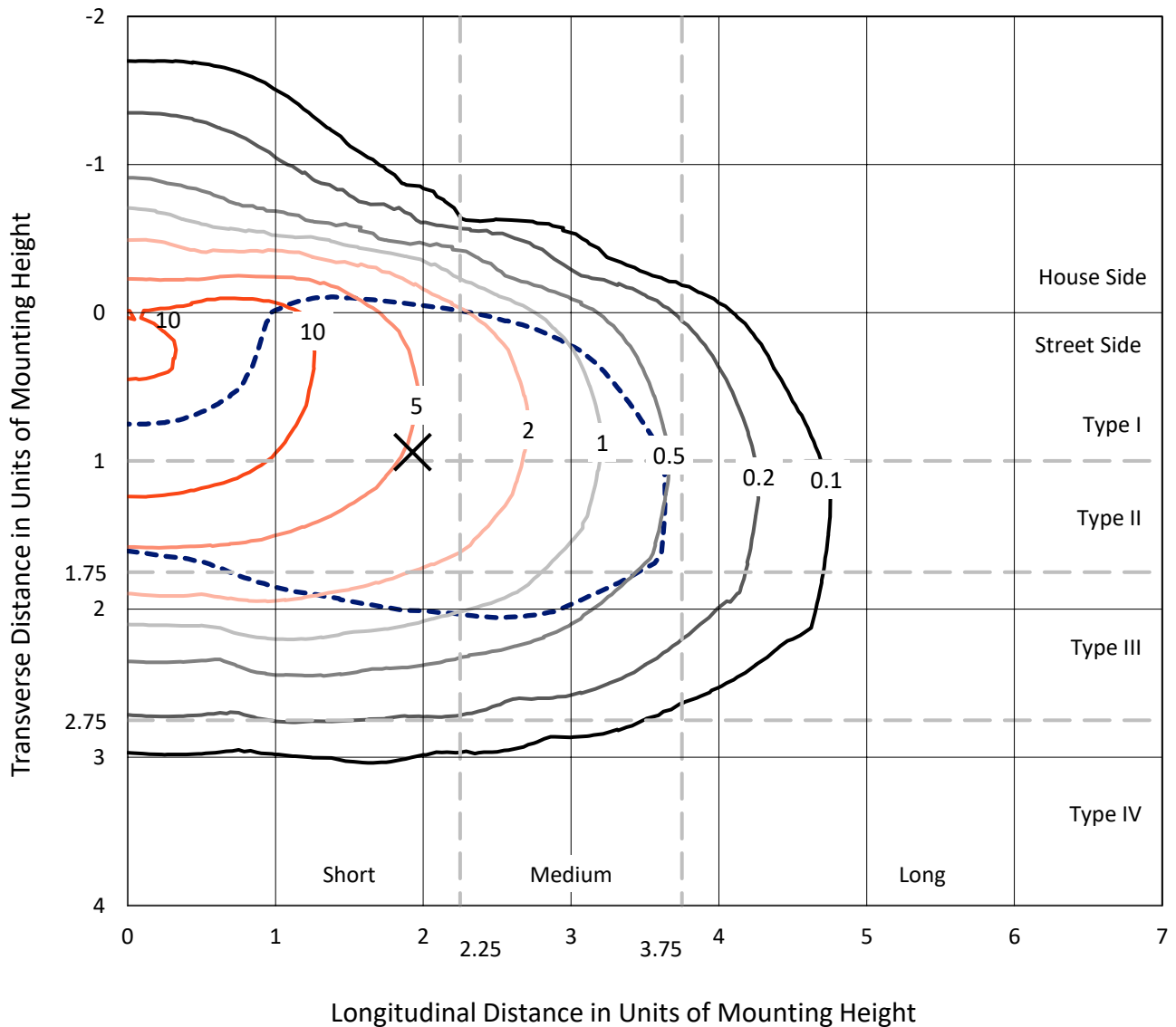
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

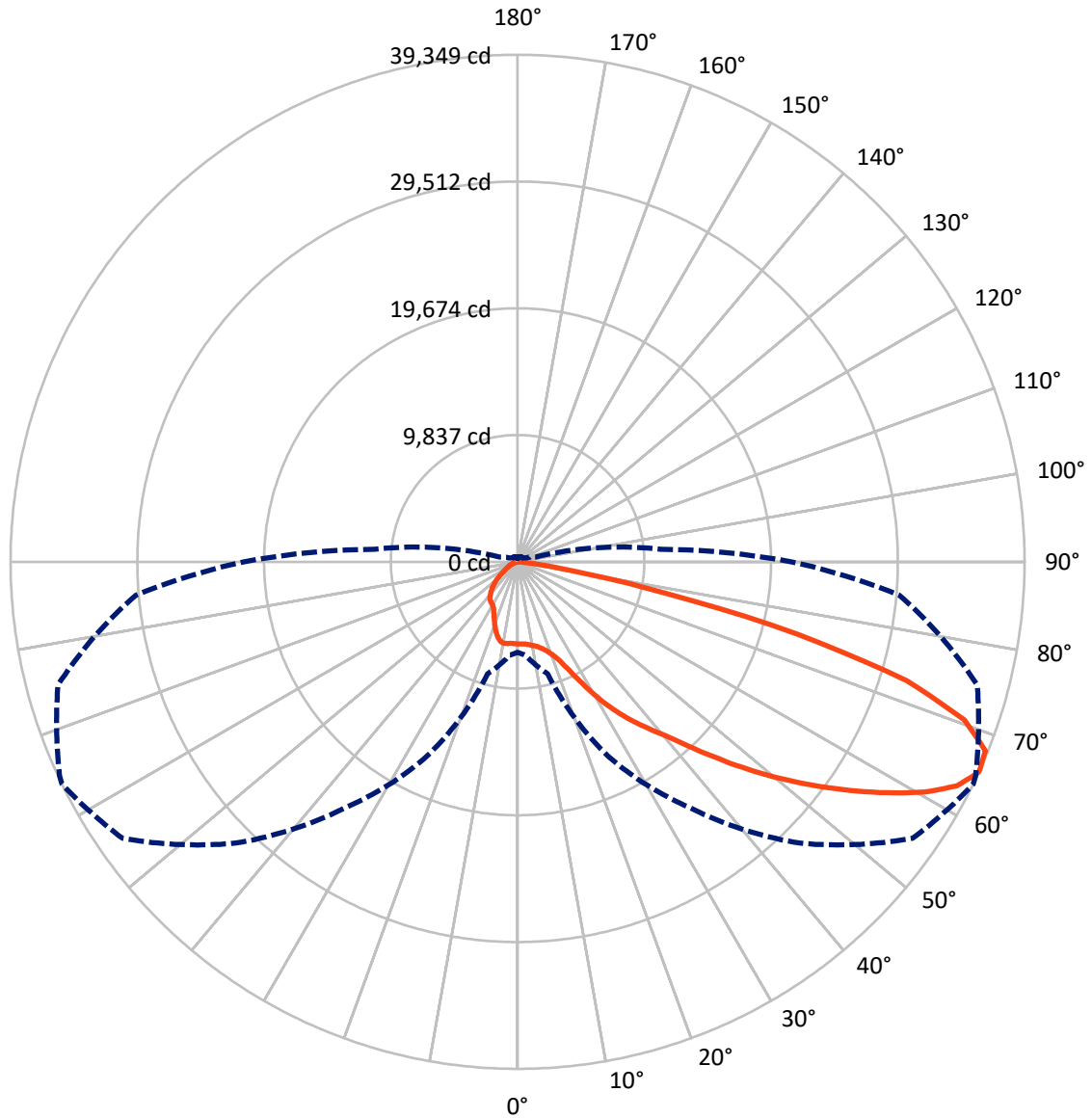
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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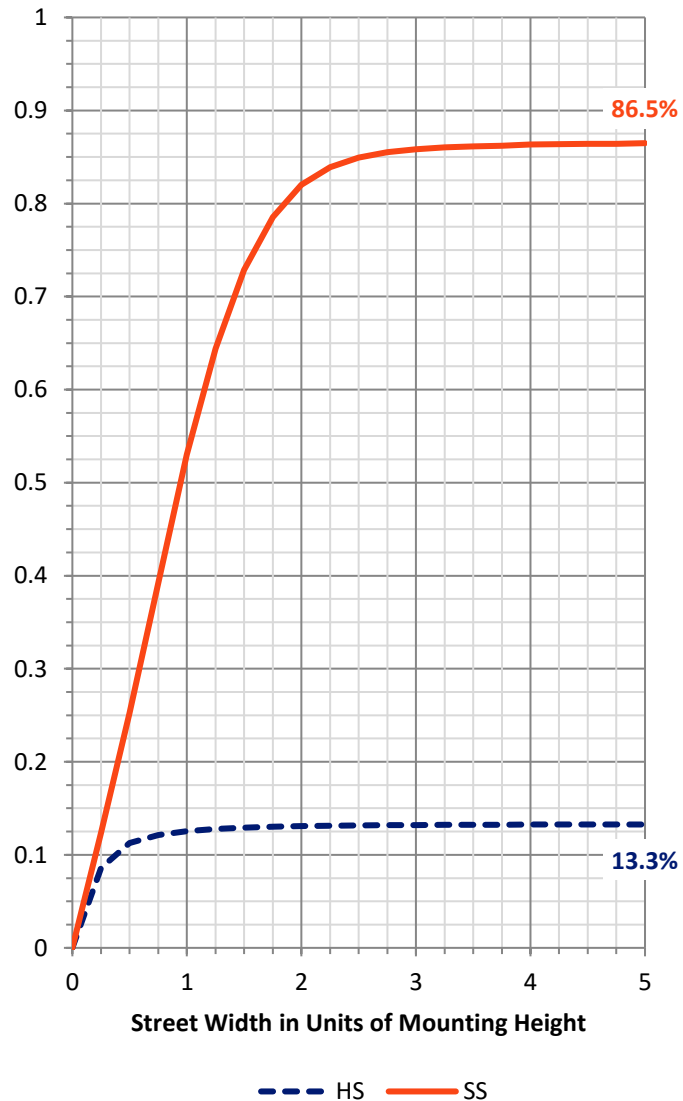
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7331.9	0.0	7331.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	47494.1	0.0	47494.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	54826.0	0.0	54826.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.3	1.1
10°-20°	1595.7	2.9
20°-30°	3023.7	5.5
30°-40°	6118.6	11.2
40°-50°	10423.1	19.0
50°-60°	14174.6	25.9
60°-70°	13310.7	24.3
70°-80°	5332.8	9.7
80°-90°	258.4	0.5
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°	54826.0	100.0
0°-180°	54826.0	100.0

Coefficient of Utilization



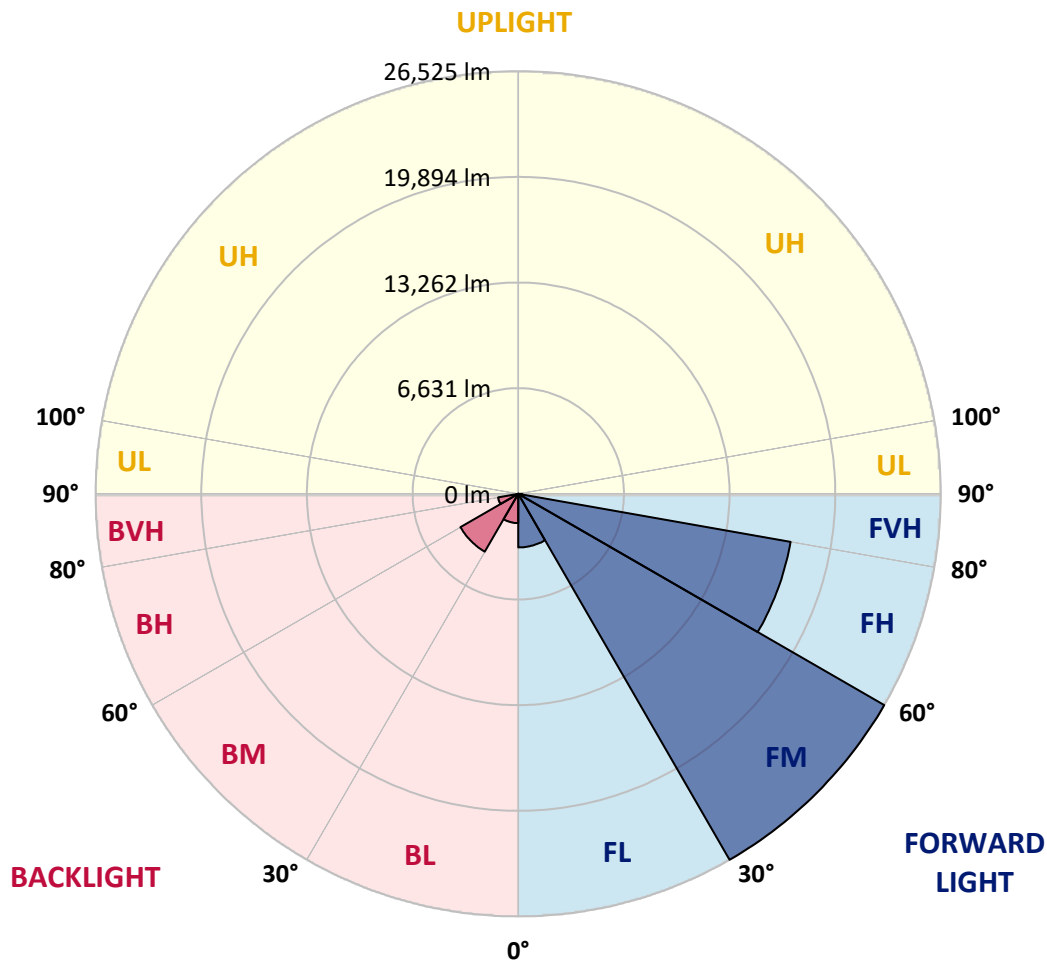
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3366.9	6.1			
FM (30°-60°)	26524.8	48.4			
FH (60°-80°)	17356.7	31.7			G5
FVH (80°-90°)	245.7	0.4			G3/500
BL (0°-30°)	1840.8	3.4	B3/2500		
BM (30°-60°)	4191.6	7.6	B3/5000		
BH (60°-80°)	1286.9	2.3	B3/2500		G3/2500
BVH (80°-90°)	12.6	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	6376.8	6376.8	6376.8	6376.8	6376.8	6376.8	6376.8	6376.8	6376.8	6376.8
2.5°	6354.8	6398.9	6387.9	6376.8	6373.2	6380.5	6384.2	6380.5	6380.5	6380.5
5°	6233.5	6270.2	6270.2	6296.0	6332.7	6376.8	6409.9	6417.3	6424.6	6435.6
7.5°	6001.9	6031.3	6053.4	6137.9	6229.8	6347.4	6446.7	6498.1	6505.5	6545.9
10°	5843.9	5880.7	5917.4	6005.6	6137.9	6314.4	6483.4	6608.4	6626.8	6722.3
12.5°	5836.5	5873.3	5921.1	6016.6	6171.0	6358.5	6564.3	6744.4	6777.5	6917.1
15°	5913.7	5957.8	6001.9	6119.6	6284.9	6512.8	6733.3	6957.5	6990.6	7189.1
17.5°	6071.8	6130.6	6163.7	6281.3	6457.7	6711.3	7001.7	7258.9	7288.3	7519.9
20°	6384.2	6454.0	6465.0	6560.6	6733.3	7005.3	7350.8	7670.6	7707.3	7972.0
22.5°	7031.1	7130.3	7042.1	7089.9	7244.2	7516.2	7891.1	8295.4	8346.9	8648.2
25°	8170.4	8310.1	8082.2	8001.4	8067.5	8350.5	8821.0	9331.9	9390.7	9633.2
27.5°	10408.8	10228.7	9883.2	9545.0	9346.6	9508.3	10037.5	10669.7	10743.2	10978.4
30°	12867.6	12709.6	12242.8	11493.0	11022.5	10996.8	11485.7	12191.3	12275.9	12500.1
32.5°	15330.1	15179.4	14672.2	13749.7	12933.8	12529.5	12867.6	13650.5	13694.6	13837.9
35°	17752.2	17597.9	17090.6	16146.1	15142.7	14223.8	14157.7	15039.8	15054.5	15205.2
37.5°	20189.0	20060.4	19520.1	18593.9	17605.2	16337.2	15723.4	16355.6	16373.9	16521.0
40°	21927.5	21982.6	21611.4	20894.7	20045.7	18660.0	17480.2	17755.9	17645.6	17891.9
42.5°	23419.7	23530.0	23206.5	22846.3	22353.8	21133.6	19656.1	19608.3	19431.9	19564.2
45°	24709.8	24801.7	24511.3	24426.8	24415.7	23559.4	22034.1	21747.4	21501.1	21475.4
47.5°	25183.9	25360.3	25485.3	25768.3	26319.6	25959.4	24492.9	24048.2	23772.5	23570.4
50°	25364.0	25551.4	25977.8	26801.1	28105.8	28260.2	26940.7	26440.9	26102.7	25735.2
52.5°	25121.4	25455.9	26029.2	27414.9	29307.7	30105.3	29289.3	28852.0	28466.0	27866.9
55°	23691.7	24026.1	25198.6	27407.5	29906.8	31399.0	31509.3	31314.5	30880.8	29936.2
57.5°	20677.8	21174.0	23030.1	26474.0	29895.8	32512.7	33685.1	33824.8	33339.6	31987.1
60°	16502.6	17175.2	19439.2	24404.7	28973.2	33115.4	35592.7	36291.0	35776.4	34008.6
62.5°	11515.1	12294.2	14437.0	21163.0	26863.6	32681.7	36985.6	38275.7	37886.1	35816.9
65°	7023.7	7273.6	9001.1	16653.3	23276.4	30866.1	37415.7	39348.9	39220.3	36923.2
67.5°	4678.8	4888.3	5384.5	11419.5	18068.3	27238.4	36386.5	39161.5	39198.2	36743.1
70°	2819.0	2999.1	3322.6	6641.5	11709.9	21559.9	33200.0	36772.5	36985.6	34335.7
72.5°	1161.4	1282.7	1576.8	3010.2	6064.4	13683.5	26437.2	31571.8	32067.9	28870.3
75°	657.9	720.4	926.2	1510.6	2631.6	6376.8	16013.8	22412.6	23144.0	19898.7
77.5°	437.4	466.8	599.1	977.7	1481.2	2175.8	6843.6	11676.8	13073.4	10868.2
80°	294.0	319.8	411.6	654.2	963.0	933.6	2179.5	4326.0	5322.0	3734.2
82.5°	198.5	202.1	294.0	430.0	610.1	452.1	643.2	1345.2	1690.7	1080.6
85°	113.9	110.3	216.8	249.9	272.0	187.4	194.8	404.3	529.3	455.8
87.5°	14.7	22.1	84.5	66.2	36.8	40.4	40.4	69.8	102.9	110.3
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°
6376.8	0°	6376.8	6376.8	6376.8	6376.8	6376.8	6376.8	6376.8	6376.8	6376.8	6376.8
6384.2	2.5°	6384.2	6380.5	6369.5	6358.5	6332.7	6318.0	6325.4	6318.0	6314.4	6318.0
6432.0	5°	6432.0	6420.9	6391.5	6354.8	6303.3	6240.8	6200.4	6141.6	6086.5	6053.4
6560.6	7.5°	6560.6	6549.6	6509.1	6406.2	6240.8	5979.9	5741.0	5531.5	5373.4	5281.6
6766.4	10°	6766.4	6748.0	6685.6	6457.7	6024.0	5454.3	4980.2	4586.9	4329.6	4208.3
7009.0	12.5°	7009.0	6987.0	6876.7	6409.9	5612.3	4722.9	4068.7	3631.3	3392.4	3285.8
7288.3	15°	7295.7	7266.3	7049.4	6182.0	5013.3	3914.3	3315.2	2988.1	2833.7	2738.2
7644.8	17.5°	7652.2	7600.7	7178.1	5840.2	4362.7	3296.8	2852.1	2605.9	2469.9	2378.0
8111.6	20°	8115.3	8030.8	7281.0	5432.3	3763.6	2907.2	2539.7	2333.9	2231.0	2150.1
8773.2	22.5°	8762.2	8640.9	7405.9	4991.2	3340.9	2638.9	2308.2	2157.5	2072.9	1981.0
9695.7	25°	9563.4	9420.1	7560.3	4583.2	3050.6	2407.4	2139.1	2014.1	1914.9	1808.3
10904.9	27.5°	10684.4	10427.1	7744.1	4248.8	2800.7	2208.9	1984.7	1845.1	1731.1	1642.9
12275.9	30°	11934.1	11511.4	7905.8	4046.6	2572.8	2025.1	1782.6	1642.9	1536.3	1473.8
13507.1	32.5°	13117.5	12544.2	8012.4	3958.4	2367.0	1815.7	1562.0	1411.4	1330.5	1312.1
14712.7	35°	14234.9	13477.7	8001.4	3873.9	2183.2	1606.2	1345.2	1190.8	1128.4	1139.4
16010.1	37.5°	15521.2	14473.8	7924.2	3741.6	2032.5	1415.0	1157.8	1021.8	966.6	970.3
17586.8	40°	17017.1	15624.2	7876.4	3491.6	1867.1	1238.6	1003.4	893.1	852.7	838.0
19248.1	42.5°	18612.3	16737.8	7883.8	3208.6	1661.3	1080.6	896.8	804.9	768.2	757.1
21096.8	45°	20214.7	17800.0	7894.8	2914.6	1444.4	959.3	819.6	742.4	720.4	705.7
22971.3	47.5°	21721.7	18704.2	7689.0	2598.5	1231.3	867.4	757.1	705.7	687.3	668.9
24853.1	50°	23125.7	19306.9	7192.8	2231.0	1062.2	793.9	709.4	672.6	654.2	635.8
26558.5	52.5°	24217.3	19402.5	6373.2	1852.4	944.6	738.8	680.0	646.9	624.8	606.4
27936.8	55°	24702.4	18803.4	5208.1	1499.6	852.7	691.0	650.5	617.5	591.7	573.4
29021.0	57.5°	24577.5	17542.7	4061.3	1205.5	764.5	643.2	613.8	591.7	562.3	532.9
29899.4	60°	23963.7	15855.7	3061.6	1003.4	683.6	591.7	573.4	555.0	514.6	470.5
30237.6	62.5°	22901.5	13735.0	2183.2	830.6	595.4	532.9	525.6	510.9	452.1	371.2
29737.7	65°	21276.9	11158.5	1470.2	691.0	510.9	466.8	470.5	444.7	367.5	275.7
27907.4	67.5°	18902.6	8159.4	940.9	566.0	426.3	389.6	393.3	378.6	312.4	235.2
24437.8	70°	15877.8	5402.8	613.8	430.0	341.8	301.4	323.4	327.1	264.6	191.1
18755.6	72.5°	11640.0	3190.3	430.0	319.8	249.9	209.5	264.6	272.0	213.2	143.3
11283.5	75°	6634.1	1514.3	323.4	231.6	154.4	147.0	205.8	205.8	147.0	95.6
4884.6	77.5°	2786.0	632.2	227.9	150.7	88.2	84.5	139.7	128.6	73.5	44.1
1190.8	80°	804.9	283.0	121.3	73.5	36.8	33.1	55.1	40.4	18.4	7.4
452.1	82.5°	316.1	125.0	47.8	29.4	14.7	14.7	7.4	0.0	0.0	0.0
257.3	85°	187.4	51.5	22.1	11.0	3.7	0.0	0.0	0.0	0.0	0.0
55.1	87.5°	47.8	11.0	7.4	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°
6376.8
6332.7
6060.7
5285.2
4197.3
3274.8
2741.9
2370.6
2135.4
1966.3
1797.3
1624.5
1462.8
1323.1
1139.4
985.0
834.3
753.5
705.7
668.9
635.8
602.8
569.7
529.3
463.1
363.9
268.3
224.2
183.8
136.0
88.2
44.1
7.4
0.0
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