

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: P852850

Luminaire Tested: **GLAN-SB6D-840-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-840-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41550 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

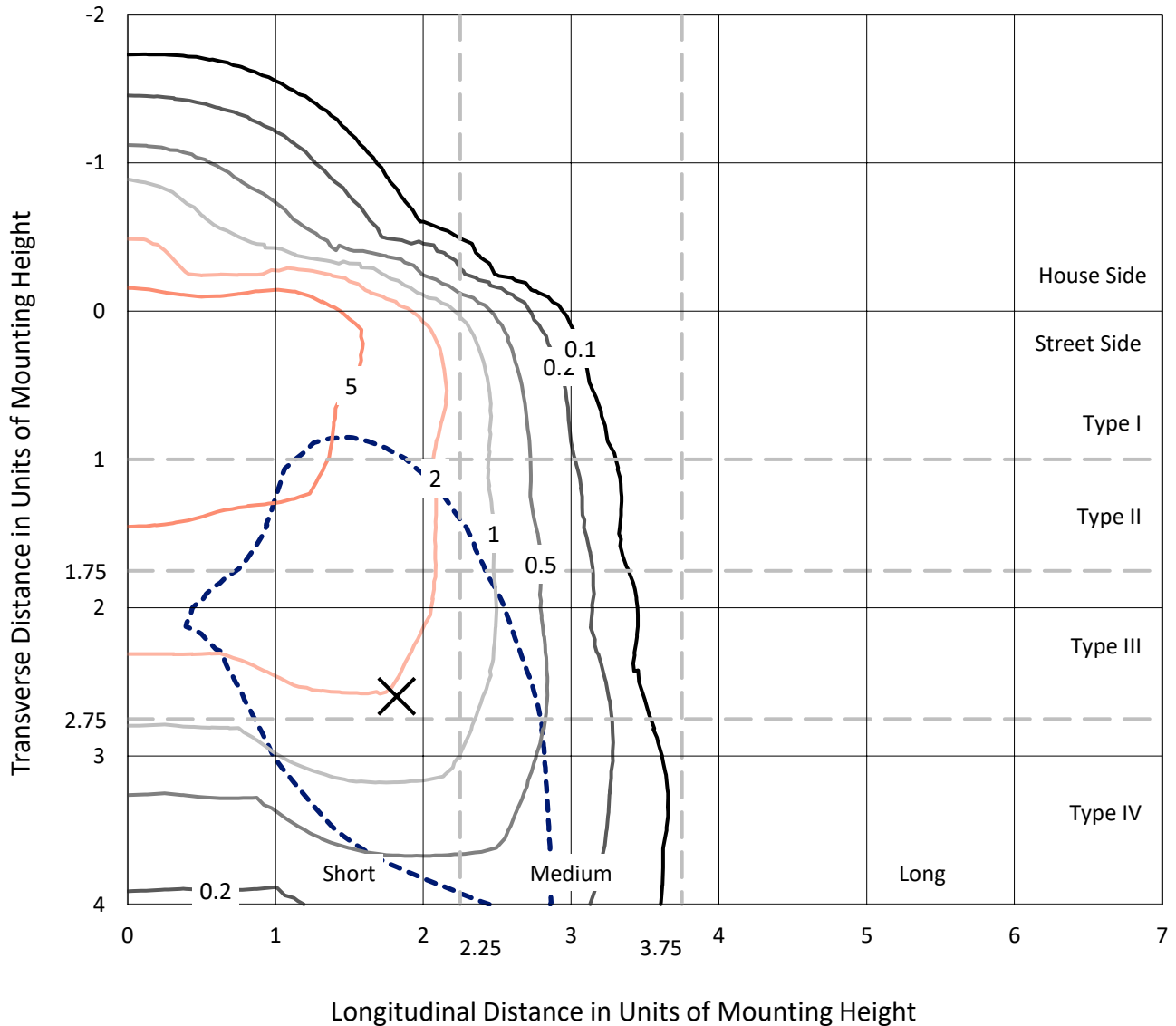
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

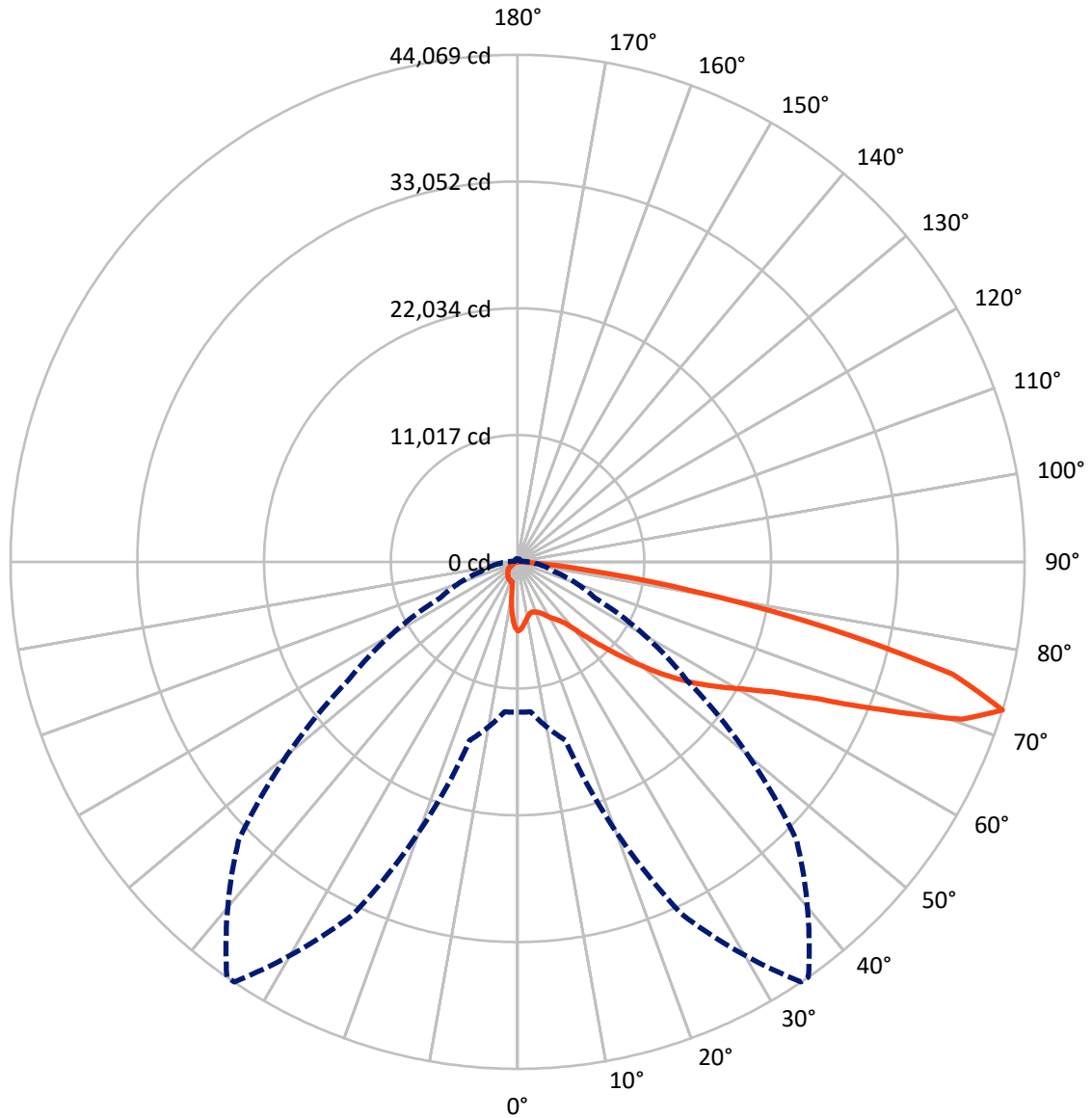
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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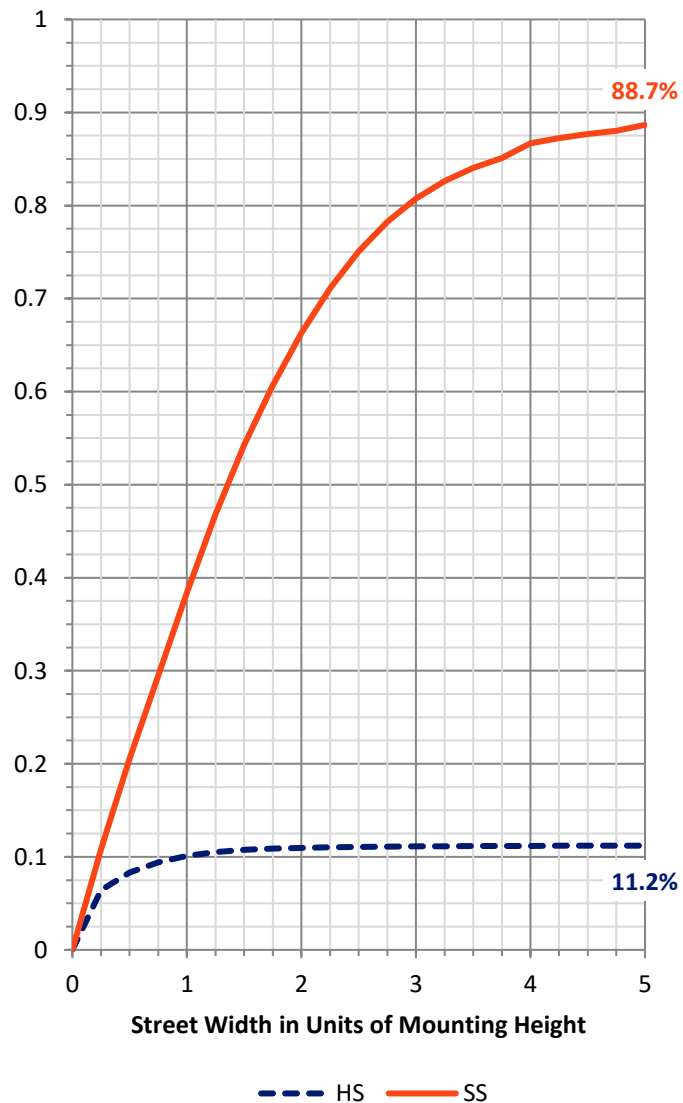
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4676.3	0.0	4676.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	36873.7	0.0	36873.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	41550.0	0.0	41550.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	494.8	1.2
10°-20°	1157.6	2.8
20°-30°	1880.6	4.5
30°-40°	3137.7	7.6
40°-50°	5936.6	14.3
50°-60°	9433.2	22.7
60°-70°	11669.5	28.1
70°-80°	7253.8	17.5
80°-90°	586.2	1.4
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°	41550.0	100.0
0°-180°	41550.0	100.0

Coefficient of Utilization



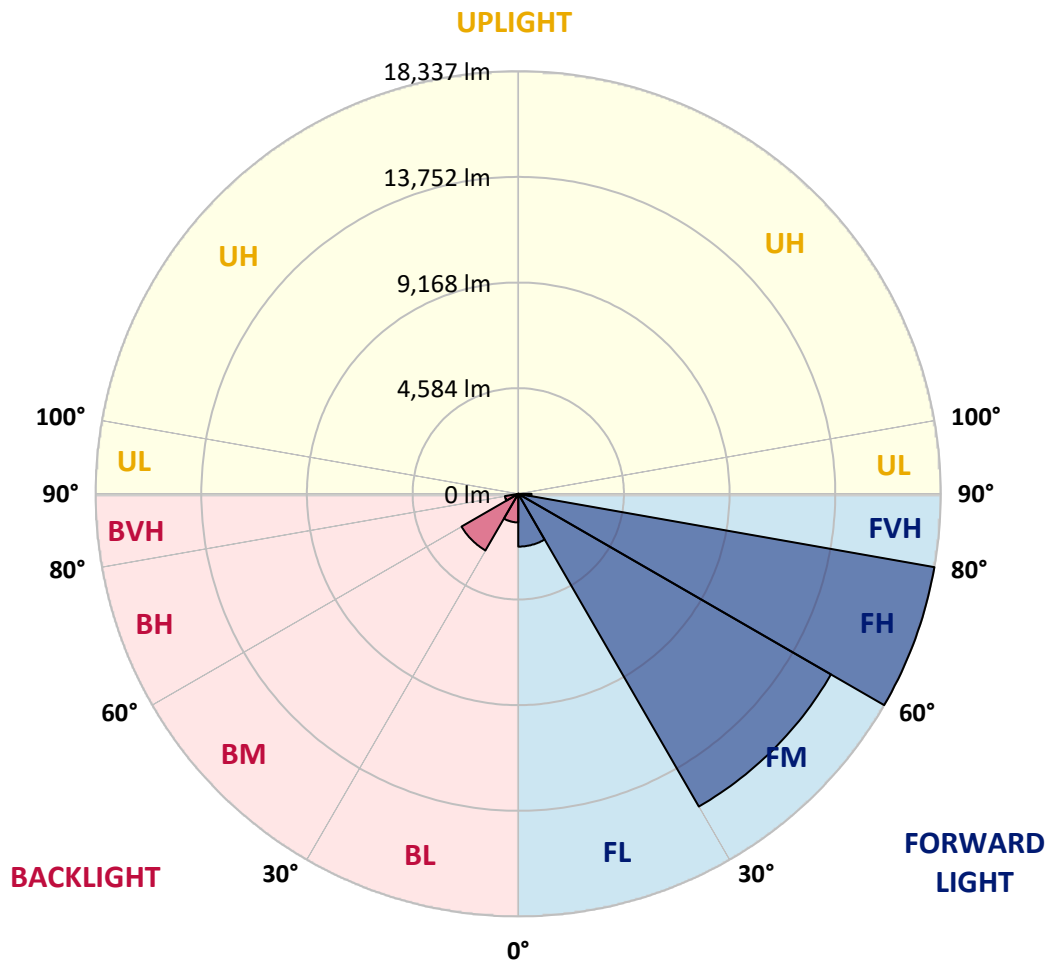
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2290.5	5.5			
FM (30°-60°)	15668.5	37.7			
FH (60°-80°)	18336.5	44.1			G5
FVH (80°-90°)	578.2	1.4			G4/750
BL (0°-30°)	1242.6	3.0	B3/2500		
BM (30°-60°)	2838.9	6.8	B3/5000		
BH (60°-80°)	586.8	1.4	B2/1000		G2/1000
BVH (80°-90°)	8.0	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°	34°	35°	45°	55°	65°	75°
0°	6022.0	6022.0	6022.0	6022.0	6022.0	6022.0	6022.0	6022.0	6022.0	6022.0
2.5°	5754.1	5802.8	5811.9	5827.1	5827.1	5845.4	5875.9	5918.5	5988.5	6025.0
5°	5303.5	5340.0	5385.7	5422.2	5492.2	5501.4	5620.1	5735.8	5897.2	6018.9
7.5°	4849.9	4892.5	4953.4	5041.7	5133.0	5160.4	5340.0	5534.9	5790.6	6018.9
10°	4530.2	4533.2	4588.0	4676.3	4822.5	4856.0	5075.2	5352.2	5671.9	5982.4
12.5°	4350.6	4371.9	4396.2	4463.2	4603.3	4624.6	4859.0	5184.8	5553.1	5961.1
15°	4350.6	4365.8	4381.0	4414.5	4527.1	4545.4	4752.4	5078.2	5492.2	5970.2
17.5°	4396.2	4420.6	4408.4	4448.0	4566.7	4578.9	4761.6	5047.8	5489.2	6028.1
20°	4505.8	4524.1	4499.7	4524.1	4642.8	4667.2	4856.0	5105.6	5541.0	6128.5
22.5°	4679.4	4688.5	4630.7	4648.9	4770.7	4801.2	5020.4	5270.0	5665.8	6289.9
25°	4898.6	4916.8	4828.6	4849.9	4965.6	5002.1	5254.8	5516.6	5863.7	6512.1
27.5°	5151.3	5160.4	5084.3	5081.2	5230.4	5282.2	5537.9	5821.1	6128.5	6792.2
30°	5440.5	5467.9	5394.8	5382.6	5571.4	5614.0	5866.7	6195.5	6518.2	7212.4
32.5°	5668.8	5690.1	5647.5	5678.0	5869.8	5903.3	6265.5	6725.3	7130.2	7809.1
35°	5997.6	6009.8	5912.4	5967.2	6186.4	6271.6	6810.5	7468.1	7900.4	8558.0
37.5°	7188.0	7188.0	6774.0	6503.0	6713.1	6789.2	7556.4	8402.8	8850.3	9562.7
40°	8835.1	8807.7	8201.8	7647.7	7620.3	7769.5	8618.9	9581.0	10077.2	10768.3
42.5°	10591.8	10549.1	9724.1	9176.1	9084.7	9136.5	9845.9	11033.2	11538.6	12238.8
45°	12150.5	12138.4	11383.3	10646.6	10482.2	10646.6	11377.2	12732.0	13094.3	13831.1
47.5°	13456.6	13456.6	12905.6	12424.5	12339.3	12436.7	13450.5	14616.6	14583.1	15526.9
50°	14960.6	14948.4	14424.8	14217.7	14306.0	14443.0	15837.4	16601.6	16123.6	17192.2
52.5°	16014.0	16087.1	15907.4	15873.9	16324.5	16562.0	18260.8	18543.9	17502.7	18772.3
55°	16848.2	16933.4	17140.4	17374.9	18242.5	18553.1	20608.1	20385.9	18656.6	20142.3
57.5°	18029.4	17907.7	18227.3	18690.1	20093.6	20468.1	22882.3	22124.3	19585.2	21253.5
60°	19463.4	19481.6	19536.4	20121.0	21941.6	22422.6	25123.1	23768.3	20181.9	21935.5
62.5°	21186.6	21214.0	21326.6	22224.7	24422.8	24876.5	27510.0	25113.9	20455.9	21743.7
65°	21067.8	21183.5	22440.9	25512.8	28195.0	28642.5	30295.7	26057.7	20041.8	19990.1
67.5°	19192.4	19381.2	21484.9	29440.2	33882.1	34381.4	33662.9	26243.4	18254.7	15545.1
70°	16732.5	16799.5	19329.4	32971.8	40467.3	40972.7	36676.9	24200.6	13852.4	8670.7
72.5°	13066.9	13082.1	16050.5	33790.7	44041.5	44068.9	34311.3	17965.5	7449.9	3330.7
75°	9334.4	9243.1	10750.1	27403.4	38747.1	39057.7	25722.8	8427.1	2846.6	1574.0
77.5°	5005.1	5105.6	6082.9	16251.5	26767.1	27296.8	14035.1	2429.5	1449.2	1071.7
80°	1546.6	1631.8	2493.4	7440.7	15161.5	15481.2	5203.0	1080.8	1010.8	764.2
82.5°	487.1	505.4	1163.0	3126.7	6292.9	6439.1	1507.0	611.9	691.1	505.4
85°	140.0	143.1	517.6	1166.0	1555.7	1586.2	423.2	237.5	395.8	313.6
87.5°	15.2	48.7	194.8	194.8	137.0	134.0	45.7	51.8	112.6	39.6
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°
6022.0	0°	6022.0	6022.0	6022.0	6022.0	6022.0	6022.0	6022.0	6022.0	6022.0	6022.0
6049.4	2.5°	6034.2	6037.2	5997.6	5930.7	5857.6	5796.7	5720.6	5659.7	5617.1	5604.9
6104.2	5°	6076.8	6055.5	5942.8	5738.9	5495.3	5285.2	5050.8	4865.1	4743.3	4691.5
6162.0	7.5°	6140.7	6079.8	5833.2	5431.4	4965.6	4551.5	4131.4	3805.6	3598.6	3495.1
6216.8	10°	6195.5	6073.7	5650.6	4986.9	4274.5	3647.3	3081.0	2688.3	2469.1	2365.6
6280.8	12.5°	6247.3	6070.7	5413.1	4460.2	3495.1	2727.9	2201.2	2006.3	1945.4	1924.1
6384.3	15°	6344.7	6079.8	5114.7	3857.4	2718.7	2061.1	1869.3	1866.3	1878.4	1872.4
6542.6	17.5°	6478.7	6089.0	4776.8	3218.0	2097.6	1817.6	1808.4	1835.8	1854.1	1845.0
6740.5	20°	6652.2	6125.5	4417.5	2584.8	1802.3	1756.7	1778.0	1802.3	1817.6	1802.3
7005.4	22.5°	6895.8	6189.4	4024.8	2076.3	1708.0	1720.1	1738.4	1765.8	1781.0	1759.7
7343.3	25°	7194.1	6289.9	3638.2	1805.4	1662.3	1677.5	1704.9	1735.4	1753.6	1732.3
7769.5	27.5°	7580.8	6451.3	3282.0	1744.5	1616.6	1625.8	1665.3	1711.0	1735.4	1708.0
8375.4	30°	8140.9	6716.1	2974.5	1771.9	1589.2	1567.9	1622.7	1686.6	1714.0	1689.7
9200.4	32.5°	8883.8	7090.6	2785.7	1814.5	1577.0	1500.9	1552.7	1634.9	1680.6	1665.3
10278.2	35°	9858.0	7659.9	2712.6	1863.2	1567.9	1430.9	1467.4	1555.7	1634.9	1650.1
11636.0	37.5°	11039.3	8451.5	2733.9	1884.5	1540.5	1373.1	1391.3	1467.4	1571.0	1619.7
13164.3	40°	12381.9	9374.0	2855.7	1863.2	1510.1	1324.4	1327.4	1385.2	1476.6	1549.6
14808.4	42.5°	13767.2	10451.7	3081.0	1784.1	1482.7	1281.7	1272.6	1312.2	1373.1	1424.8
16449.3	45°	15085.4	11559.9	3303.3	1674.5	1449.2	1239.1	1217.8	1233.0	1245.2	1266.5
18047.7	47.5°	16236.2	12339.3	3239.3	1574.0	1403.5	1190.4	1153.9	1147.8	1111.2	1108.2
19475.6	50°	17030.8	12509.8	2877.0	1473.5	1336.5	1135.6	1077.7	1041.2	977.3	946.8
20544.2	52.5°	17283.5	11837.0	2350.3	1373.1	1226.9	1062.5	980.3	922.5	843.3	815.9
21159.2	55°	16948.6	10518.7	1878.4	1251.3	1074.7	965.1	873.8	797.7	733.7	700.2
21226.1	57.5°	16129.7	8841.2	1485.7	1108.2	913.3	855.5	764.2	688.1	633.3	599.8
20483.3	60°	14771.8	7020.6	1175.2	937.7	779.4	736.8	642.4	593.7	545.0	505.4
18565.3	62.5°	12710.7	5011.2	922.5	742.9	651.5	602.8	548.0	511.5	453.6	398.8
15115.9	65°	9918.9	3065.8	712.4	545.0	523.7	499.3	465.8	432.3	362.3	307.5
9861.1	67.5°	6256.4	1452.2	508.4	411.0	414.0	401.9	386.6	359.2	307.5	258.8
4417.5	70°	2755.3	703.3	334.9	313.6	307.5	307.5	319.7	310.5	261.8	216.2
1534.4	72.5°	937.7	377.5	249.6	237.5	222.2	219.2	267.9	258.8	210.1	167.4
764.2	75°	490.2	252.7	182.7	170.5	134.0	161.4	213.1	200.9	149.2	109.6
505.4	77.5°	319.7	179.6	124.8	109.6	76.1	106.6	158.3	140.0	88.3	54.8
331.8	80°	200.9	118.7	73.1	51.8	36.5	57.8	85.2	60.9	33.5	12.2
194.8	82.5°	106.6	60.9	27.4	18.3	15.2	18.3	21.3	15.2	6.1	0.0
100.5	85°	42.6	21.3	9.1	6.1	3.0	0.0	6.1	3.0	0.0	0.0
18.3	87.5°	15.2	3.0	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°
6022.0
5626.2
4709.8
3510.3
2368.6
1918.0
1869.3
1841.9
1799.3
1756.7
1729.3
1708.0
1686.6
1665.3
1650.1
1631.8
1574.0
1446.1
1278.7
1105.1
949.9
812.9
700.2
593.7
496.3
389.7
298.4
252.7
207.0
158.3
100.5
48.7
9.1
0.0
0.0
0.0
0.0

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