

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: P852852

Luminaire Tested: **GLAN-SB6D-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852852
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-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 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: 40117 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

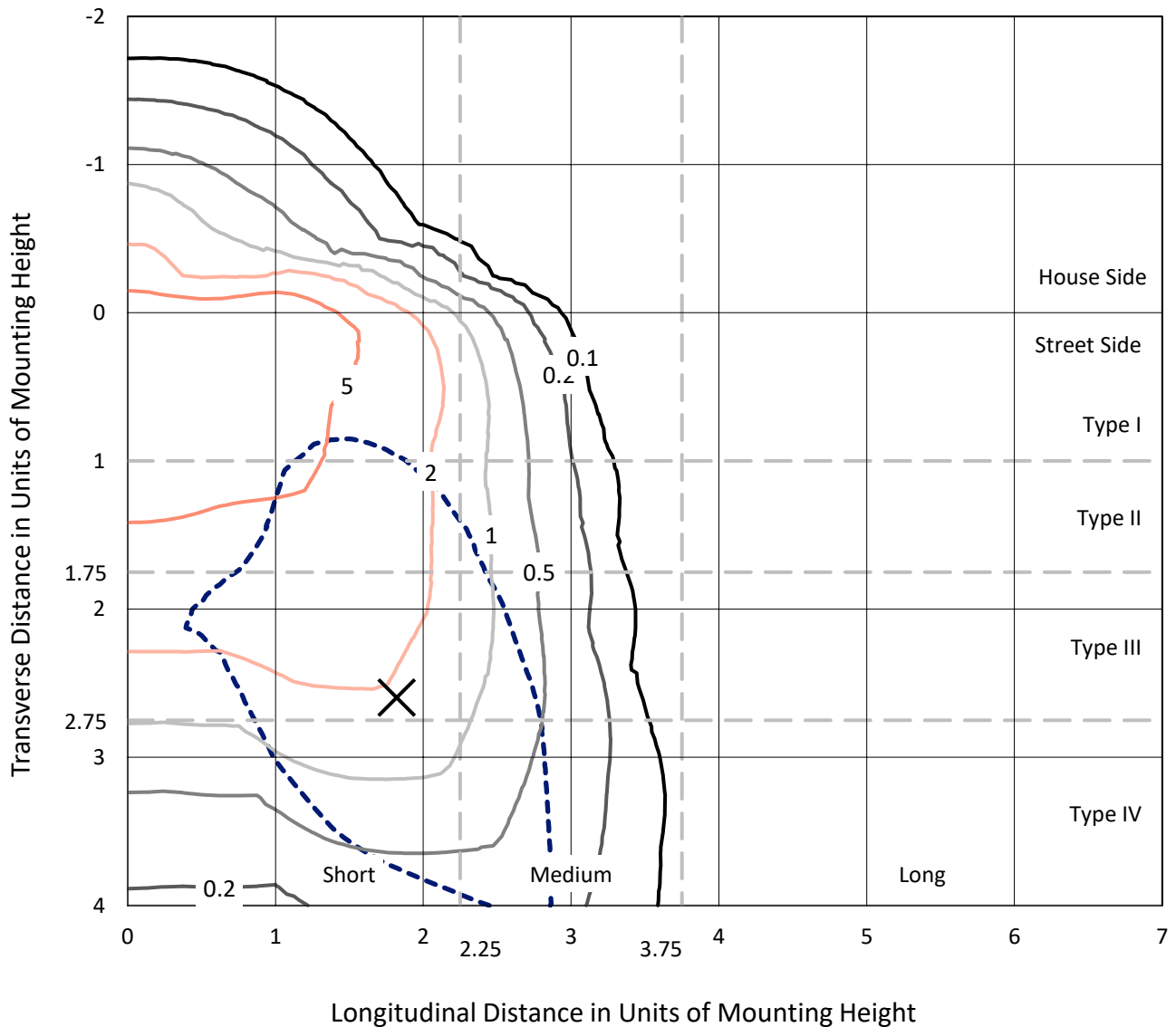
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

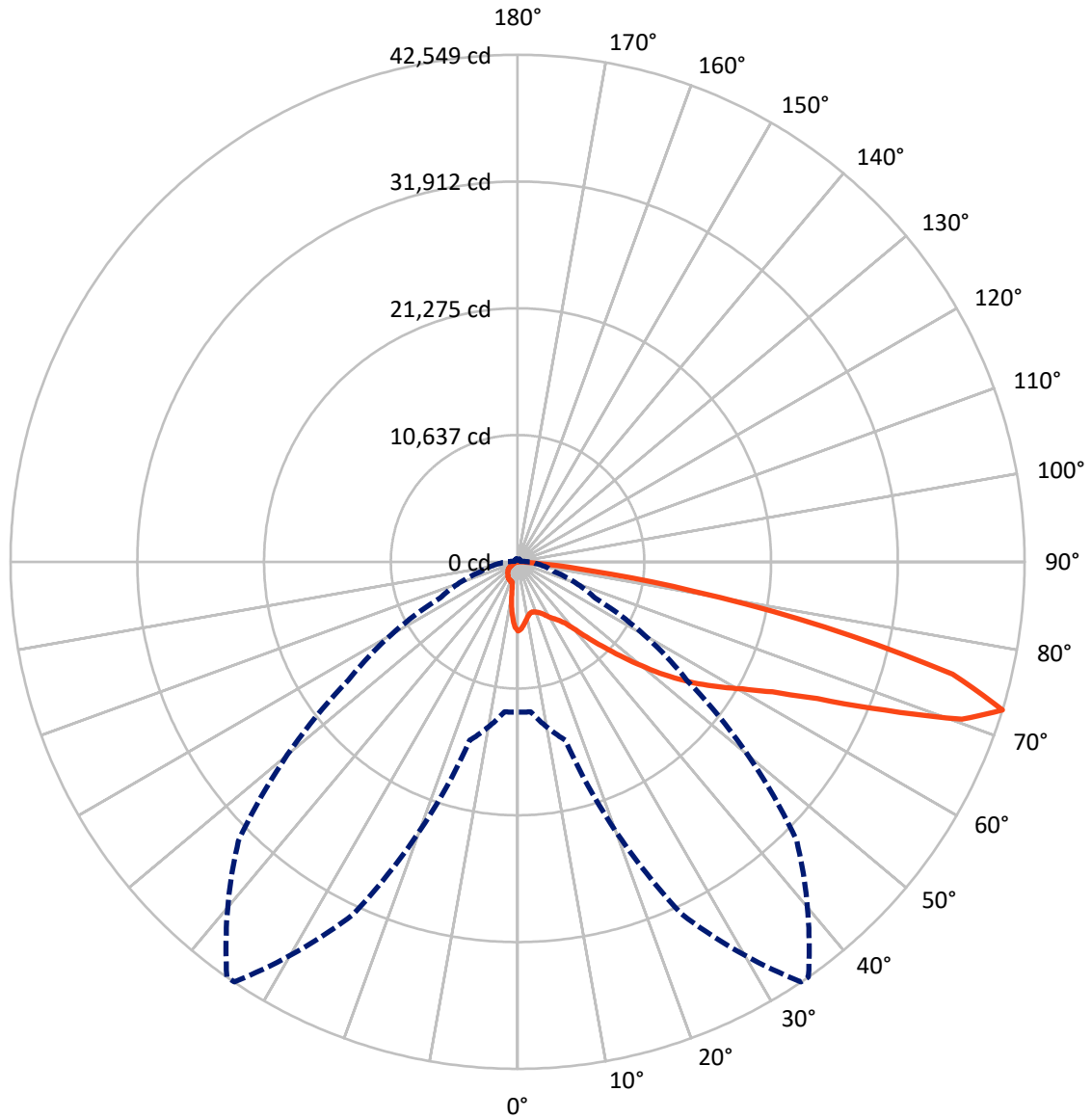
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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	4515.0	0.0	4515.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	35602.0	0.0	35602.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	40117.0	0.0	40117.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.8	1.2
10°-20°	1117.7	2.8
20°-30°	1815.7	4.5
30°-40°	3029.5	7.6
40°-50°	5731.8	14.3
50°-60°	9107.8	22.7
60°-70°	11267.0	28.1
70°-80°	7003.7	17.5
80°-90°	566.0	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°	40117.0	100.0
0°-180°	40117.0	100.0

Coefficient of Utilization



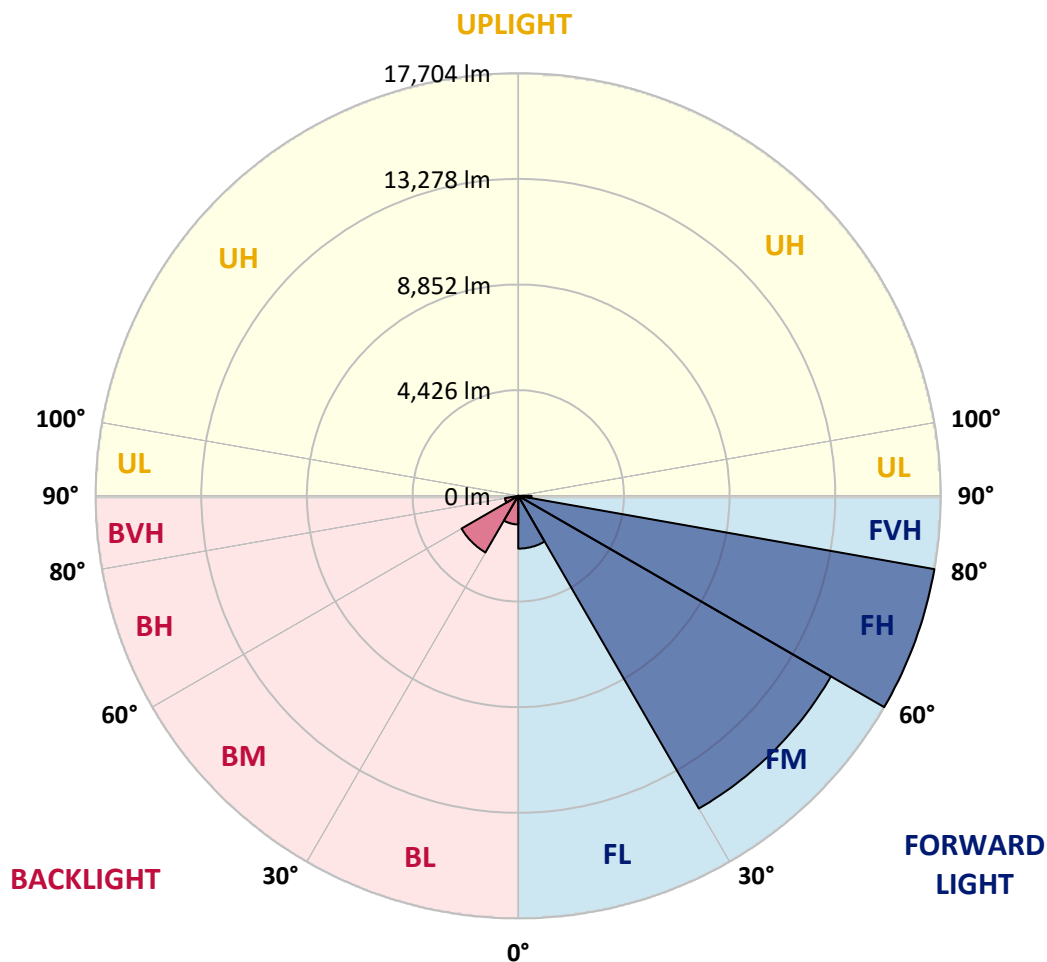
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2211.5	5.5			
FM (30°-60°)	15128.1	37.7			
FH (60°-80°)	17704.1	44.1			G5
FVH (80°-90°)	558.3	1.4			G4/750
BL (0°-30°)	1199.7	3.0	B3/2500		
BM (30°-60°)	2741.0	6.8	B3/5000		
BH (60°-80°)	566.6	1.4	B2/1000		G2/1000
BVH (80°-90°)	7.7	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°	5814.3	5814.3	5814.3	5814.3	5814.3	5814.3	5814.3	5814.3	5814.3	5814.3
2.5°	5555.6	5602.7	5611.5	5626.2	5626.2	5643.8	5673.2	5714.4	5782.0	5817.2
5°	5120.6	5155.9	5199.9	5235.2	5302.8	5311.6	5426.3	5538.0	5693.8	5811.4
7.5°	4682.6	4723.7	4782.5	4867.8	4956.0	4982.4	5155.9	5344.0	5590.9	5811.4
10°	4374.0	4376.9	4429.8	4515.0	4656.1	4688.5	4900.1	5167.6	5476.3	5776.1
12.5°	4200.5	4221.1	4244.6	4309.3	4444.5	4465.1	4691.4	5005.9	5361.6	5755.5
15°	4200.5	4215.2	4229.9	4262.3	4371.0	4388.6	4588.5	4903.1	5302.8	5764.3
17.5°	4244.6	4268.1	4256.4	4294.6	4409.2	4421.0	4597.4	4873.7	5299.9	5820.2
20°	4350.4	4368.1	4344.6	4368.1	4482.7	4506.2	4688.5	4929.5	5349.9	5917.2
22.5°	4518.0	4526.8	4471.0	4488.6	4606.2	4635.6	4847.2	5088.2	5470.4	6073.0
25°	4729.6	4747.3	4662.0	4682.6	4794.3	4829.6	5073.5	5326.3	5661.4	6287.6
27.5°	4973.6	4982.4	4908.9	4906.0	5050.0	5100.0	5346.9	5620.3	5917.2	6558.0
30°	5252.9	5279.3	5208.8	5197.0	5379.3	5420.4	5664.4	5981.8	6293.4	6963.6
32.5°	5473.3	5493.9	5452.7	5482.1	5667.3	5699.7	6049.5	6493.3	6884.3	7539.8
35°	5790.8	5802.5	5708.5	5761.4	5973.0	6055.3	6575.6	7210.6	7628.0	8262.9
37.5°	6940.1	6940.1	6540.4	6278.7	6481.6	6555.0	7295.8	8113.0	8545.1	9232.9
40°	8530.4	8503.9	7919.0	7384.0	7357.5	7501.6	8321.7	9250.6	9729.7	10397.0
42.5°	10226.5	10185.3	9388.7	8859.6	8771.4	8821.4	9506.3	10652.7	11140.6	11816.7
45°	11731.5	11719.7	10990.7	10279.4	10120.6	10279.4	10984.8	12292.9	12642.7	13354.1
47.5°	12992.5	12992.5	12460.5	11996.0	11913.7	12007.8	12986.6	14112.5	14080.1	14991.4
50°	14444.6	14432.9	13927.3	13727.4	13812.6	13944.9	15291.2	16029.0	15567.5	16599.3
52.5°	15461.7	15532.2	15358.8	15326.5	15761.5	15990.8	17631.0	17904.4	16899.1	18124.9
55°	16267.1	16349.4	16549.3	16775.6	17613.4	17913.2	19897.4	19682.8	18013.2	19447.6
57.5°	17407.6	17290.0	17598.7	18045.5	19400.6	19762.1	22093.2	21361.2	18909.7	20520.5
60°	18792.1	18809.8	18862.7	19427.0	21184.9	21649.3	24256.6	22948.5	19485.8	21179.0
62.5°	20455.9	20482.3	20591.1	21458.2	23580.5	24018.5	26561.2	24247.8	19750.4	20993.8
65°	20341.2	20452.9	21666.9	24632.9	27222.6	27654.7	29250.8	25159.0	19350.6	19300.6
67.5°	18530.5	18712.8	20743.9	28424.8	32713.5	33195.6	32501.9	25338.3	17625.1	15009.0
70°	16155.4	16220.1	18662.8	31834.6	39071.6	39559.6	35412.0	23366.0	13374.6	8371.6
72.5°	12616.3	12631.0	15497.0	32625.3	42522.6	42549.0	33128.0	17345.9	7192.9	3215.8
75°	9012.5	8924.3	10379.3	26458.3	37410.8	37710.6	24835.7	8136.5	2748.4	1519.7
77.5°	4832.5	4929.5	5873.1	15691.0	25843.9	26355.4	13551.0	2345.7	1399.2	1034.7
80°	1493.3	1575.6	2407.4	7184.1	14638.6	14947.3	5023.6	1043.5	975.9	737.8
82.5°	470.3	488.0	1122.9	3018.8	6075.9	6217.0	1455.0	590.8	667.3	488.0
85°	135.2	138.2	499.7	1125.8	1502.1	1531.5	408.6	229.3	382.1	302.8
87.5°	14.7	47.0	188.1	188.1	132.3	129.3	44.1	50.0	108.8	38.2
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°
5814.3	0°	5814.3	5814.3	5814.3	5814.3	5814.3	5814.3	5814.3	5814.3	5814.3	5814.3
5840.8	2.5°	5826.1	5829.0	5790.8	5726.1	5655.6	5596.8	5523.3	5464.5	5423.3	5411.6
5893.7	5°	5867.2	5846.6	5737.9	5540.9	5305.8	5102.9	4876.6	4697.3	4579.7	4529.7
5949.5	7.5°	5928.9	5870.1	5632.1	5244.0	4794.3	4394.5	3988.9	3674.4	3474.5	3374.5
6002.4	10°	5981.8	5864.3	5455.7	4814.9	4127.0	3521.5	2974.8	2595.6	2383.9	2284.0
6064.2	12.5°	6031.8	5861.3	5226.4	4306.3	3374.5	2633.8	2125.2	1937.1	1878.3	1857.8
6164.1	15°	6125.9	5870.1	4938.3	3724.3	2625.0	1990.0	1804.8	1801.9	1813.7	1807.8
6317.0	17.5°	6255.2	5879.0	4612.0	3107.0	2025.3	1754.9	1746.1	1772.5	1790.1	1781.3
6508.0	20°	6422.8	5914.2	4265.2	2495.6	1740.2	1696.1	1716.7	1740.2	1754.9	1740.2
6763.8	22.5°	6657.9	5976.0	3886.0	2004.7	1649.1	1660.8	1678.4	1704.9	1719.6	1699.0
7090.0	25°	6946.0	6073.0	3512.7	1743.1	1605.0	1619.7	1646.1	1675.5	1693.1	1672.6
7501.6	27.5°	7319.3	6228.8	3168.8	1684.3	1560.9	1569.7	1607.9	1652.0	1675.5	1649.1
8086.5	30°	7860.2	6484.5	2871.9	1710.8	1534.4	1513.8	1566.7	1628.5	1654.9	1631.4
8883.1	32.5°	8577.4	6846.1	2689.6	1751.9	1522.7	1449.2	1499.1	1578.5	1622.6	1607.9
9923.7	35°	9518.0	7395.7	2619.1	1799.0	1513.8	1381.6	1416.8	1502.1	1578.5	1593.2
11234.7	37.5°	10658.6	8160.0	2639.7	1819.5	1487.4	1325.7	1343.3	1416.8	1516.8	1563.8
12710.3	40°	11954.9	9050.7	2757.2	1799.0	1458.0	1278.7	1281.6	1337.5	1425.6	1496.2
14297.6	42.5°	13292.3	10091.2	2974.8	1722.5	1431.5	1237.5	1228.7	1266.9	1325.7	1375.7
15882.0	45°	14565.1	11161.2	3189.3	1616.7	1399.2	1196.4	1175.8	1190.5	1202.2	1222.8
17425.3	47.5°	15676.3	11913.7	3127.6	1519.7	1355.1	1149.3	1114.1	1108.2	1072.9	1070.0
18803.9	50°	16443.5	12078.3	2777.8	1422.7	1290.4	1096.4	1040.6	1005.3	943.6	914.2
19835.6	52.5°	16687.4	11428.7	2269.3	1325.7	1184.6	1025.9	946.5	890.7	814.2	787.8
20429.4	55°	16364.1	10155.9	1813.7	1208.1	1037.6	931.8	843.6	770.1	708.4	676.1
20494.1	57.5°	15573.4	8536.3	1434.5	1070.0	881.8	826.0	737.8	664.3	611.4	579.1
19776.8	60°	14262.4	6778.4	1134.6	905.4	752.5	711.4	620.2	573.2	526.2	488.0
17925.0	62.5°	12272.3	4838.4	890.7	717.2	629.0	582.0	529.1	493.8	438.0	385.1
14594.5	65°	9576.8	2960.1	687.8	526.2	505.6	482.1	449.7	417.4	349.8	296.9
9521.0	67.5°	6040.6	1402.1	490.9	396.8	399.8	388.0	373.3	346.9	296.9	249.9
4265.2	70°	2660.2	679.0	323.3	302.8	296.9	296.9	308.6	299.8	252.8	208.7
1481.5	72.5°	905.4	364.5	241.0	229.3	214.6	211.6	258.7	249.9	202.8	161.7
737.8	75°	473.3	244.0	176.4	164.6	129.3	155.8	205.8	194.0	144.0	105.8
488.0	77.5°	308.6	173.4	120.5	105.8	73.5	102.9	152.9	135.2	85.2	52.9
320.4	80°	194.0	114.6	70.5	50.0	35.3	55.9	82.3	58.8	32.3	11.8
188.1	82.5°	102.9	58.8	26.5	17.6	14.7	17.6	20.6	14.7	5.9	0.0
97.0	85°	41.2	20.6	8.8	5.9	2.9	0.0	5.9	2.9	0.0	0.0
17.6	87.5°	14.7	2.9	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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<u>180°</u>
5814.3
5432.2
4547.4
3389.2
2286.9
1851.9
1804.8
1778.4
1737.2
1696.1
1669.6
1649.1
1628.5
1607.9
1593.2
1575.6
1519.7
1396.3
1234.6
1067.0
917.1
784.8
676.1
573.2
479.1
376.3
288.1
244.0
199.9
152.9
97.0
47.0
8.8
0.0
0.0
0.0
0.0

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