

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: P852984

Luminaire Tested: **GLAN-SB7D-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852984
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-SB7D-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 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: 45368 lumens
Efficiency: N/A
Efficacy: 88.5 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

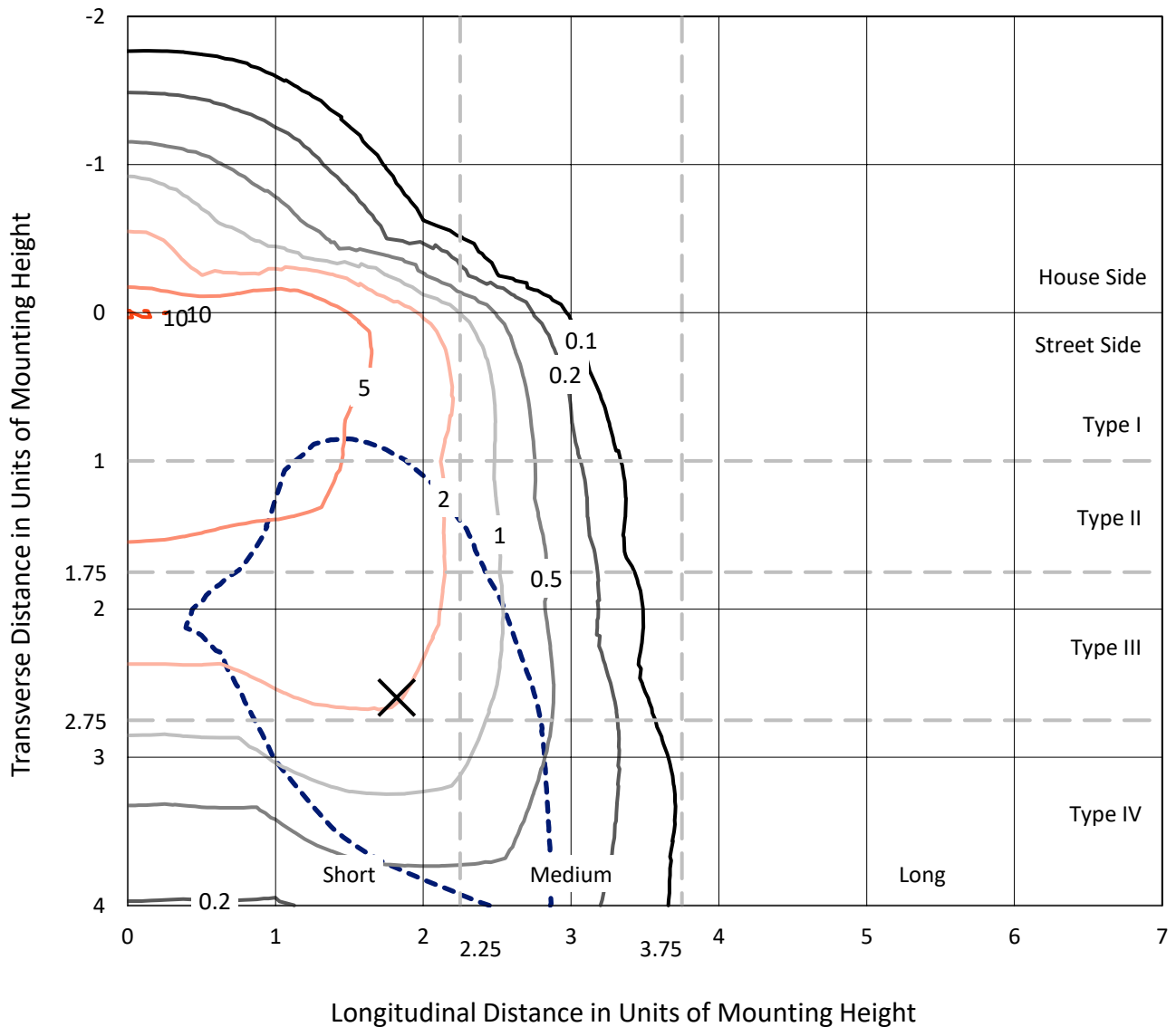
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

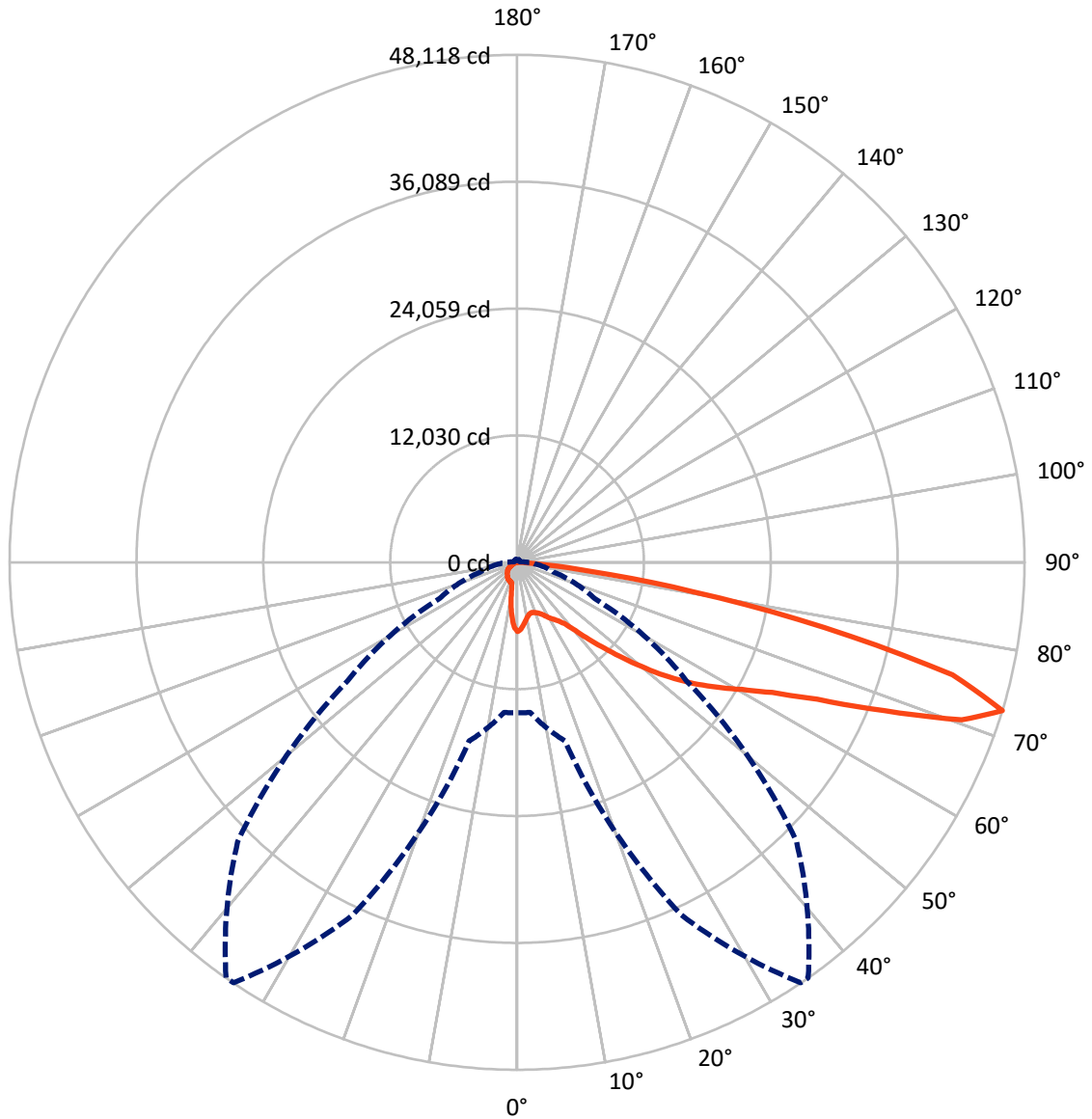
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 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	5106.0	0.0	5106.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	40262.0	0.0	40262.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	45368.0	0.0	45368.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.3	1.2
10°-20°	1264.0	2.8
20°-30°	2053.4	4.5
30°-40°	3426.0	7.6
40°-50°	6482.1	14.3
50°-60°	10300.0	22.7
60°-70°	12741.8	28.1
70°-80°	7920.4	17.5
80°-90°	640.1	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°	45368.0	100.0
0°-180°	45368.0	100.0

Coefficient of Utilization



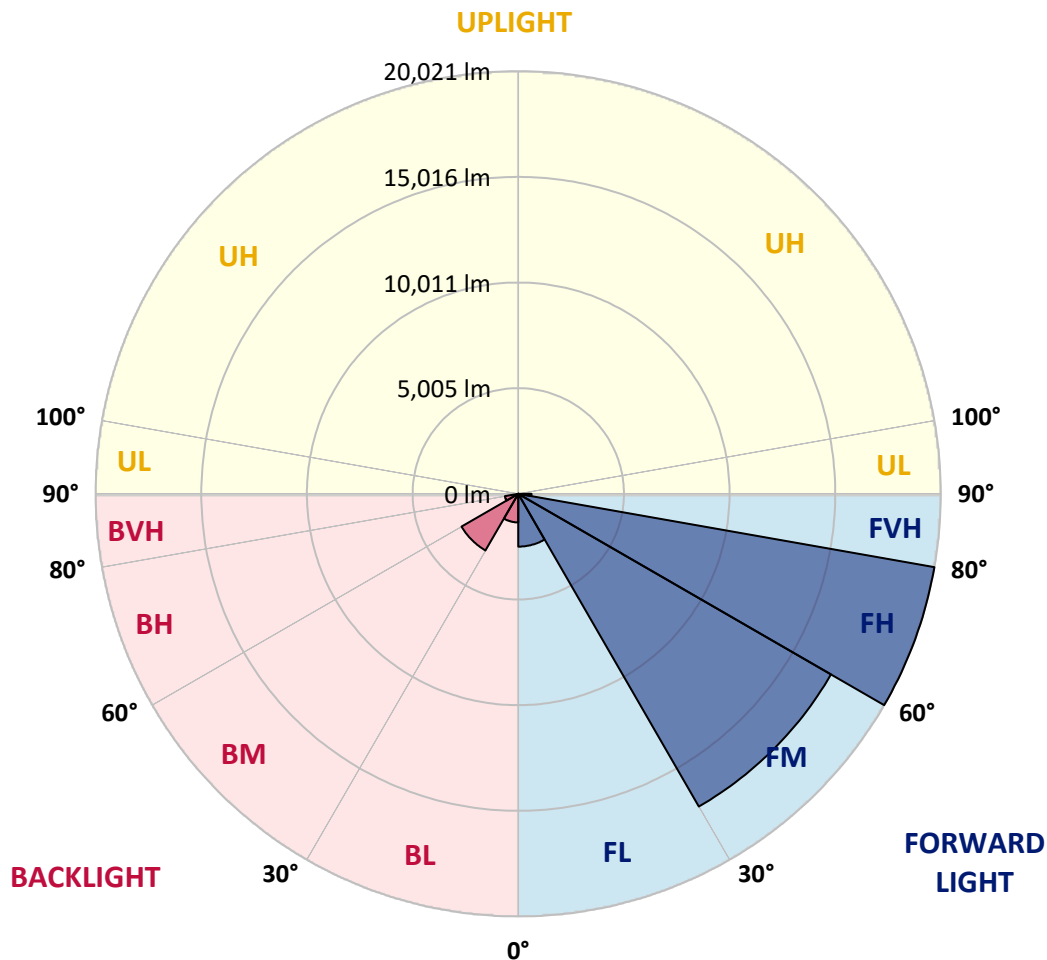
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2500.9	5.5			
FM (30°-60°)	17108.3	37.7			
FH (60°-80°)	20021.5	44.1			G5
FVH (80°-90°)	631.4	1.4			G4/750
BL (0°-30°)	1356.8	3.0	B3/2500		
BM (30°-60°)	3099.8	6.8	B3/5000		
BH (60°-80°)	640.7	1.4	B2/1000		G2/1000
BVH (80°-90°)	8.7	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°	6575.3	6575.3	6575.3	6575.3	6575.3	6575.3	6575.3	6575.3	6575.3	6575.3
2.5°	6282.8	6336.0	6346.0	6362.6	6362.6	6382.5	6415.8	6462.3	6538.8	6578.7
5°	5790.8	5830.7	5880.6	5920.5	5996.9	6006.9	6136.5	6262.9	6439.1	6572.0
7.5°	5295.5	5342.1	5408.5	5504.9	5604.7	5634.6	5830.7	6043.5	6322.7	6572.0
10°	4946.5	4949.8	5009.6	5106.0	5265.6	5302.2	5541.5	5844.0	6193.1	6532.1
12.5°	4750.3	4773.6	4800.2	4873.3	5026.2	5049.5	5305.5	5661.2	6063.4	6508.9
15°	4750.3	4767.0	4783.6	4820.1	4943.1	4963.1	5189.1	5544.8	5996.9	6518.8
17.5°	4800.2	4826.8	4813.5	4856.7	4986.4	4999.7	5199.1	5511.6	5993.6	6582.0
20°	4919.9	4939.8	4913.2	4939.8	5069.5	5096.1	5302.2	5574.7	6050.1	6691.7
22.5°	5109.4	5119.3	5056.2	5076.1	5209.1	5242.3	5481.7	5754.3	6186.4	6867.9
25°	5348.7	5368.6	5272.2	5295.5	5421.8	5461.7	5737.6	6023.5	6402.5	7110.5
27.5°	5624.6	5634.6	5551.5	5548.2	5711.0	5767.6	6046.8	6355.9	6691.7	7416.4
30°	5940.4	5970.3	5890.6	5877.3	6083.4	6129.9	6405.8	6764.8	7117.2	7875.1
32.5°	6189.7	6213.0	6166.5	6199.7	6409.1	6445.7	6841.3	7343.2	7785.4	8526.7
35°	6548.8	6562.0	6455.7	6515.5	6754.9	6847.9	7436.3	8154.4	8626.4	9344.4
37.5°	7848.5	7848.5	7396.4	7100.6	7329.9	7413.1	8250.8	9174.9	9663.6	10441.4
40°	9646.9	9617.0	8955.5	8350.5	8320.6	8483.5	9410.9	10461.4	11003.2	11757.8
42.5°	11565.0	11518.5	10617.6	10019.3	9919.5	9976.0	10750.6	12047.0	12598.9	13363.4
45°	13267.0	13253.7	12429.3	11624.9	11445.4	11624.9	12422.7	13902.0	14297.6	15102.0
47.5°	14693.1	14693.1	14091.4	13566.2	13473.1	13579.5	14686.5	15959.7	15923.1	16953.6
50°	16335.3	16322.0	15750.2	15524.2	15620.6	15770.2	17292.7	18127.1	17605.2	18772.0
52.5°	17485.5	17565.3	17369.1	17332.6	17824.6	18083.9	19938.8	20247.9	19111.0	20497.3
55°	18396.3	18489.4	18715.5	18971.4	19918.8	20257.9	22501.8	22259.1	20370.9	21993.2
57.5°	19686.1	19553.2	19902.2	20407.5	21940.0	22348.9	24985.0	24157.2	21384.8	23206.5
60°	21251.9	21271.8	21331.6	21969.9	23957.8	24483.0	27431.6	25952.3	22036.4	23951.1
62.5°	23133.4	23163.3	23286.3	24266.9	26667.0	27162.4	30037.8	27421.6	22335.6	23741.7
65°	23003.7	23130.1	24503.0	27857.1	30785.8	31274.4	33079.5	28452.2	21883.5	21827.0
67.5°	20956.0	21162.1	23459.2	32145.4	36995.5	37540.6	36756.1	28654.9	19932.1	16973.6
70°	18270.0	18343.1	21105.6	36001.5	44185.8	44737.6	40047.1	26424.4	15125.3	9467.4
72.5°	14267.6	14284.3	17525.4	36895.7	48088.4	48118.4	37464.2	19616.3	8134.4	3636.7
75°	10192.1	10092.4	11737.9	29921.5	42307.6	42646.7	28086.5	9201.5	3108.2	1718.6
77.5°	5465.0	5574.7	6641.8	17744.8	29226.7	29805.1	15324.7	2652.7	1582.3	1170.1
80°	1688.7	1781.8	2722.6	8124.4	16554.7	16903.8	5681.1	1180.1	1103.6	834.4
82.5°	531.9	551.8	1269.9	3414.0	6871.2	7030.8	1645.5	668.2	754.6	551.8
85°	152.9	156.2	565.1	1273.2	1698.7	1731.9	462.1	259.3	432.2	342.4
87.5°	16.6	53.2	212.8	212.8	149.6	146.3	49.9	56.5	123.0	43.2
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°
6575.3	0°	6575.3	6575.3	6575.3	6575.3	6575.3	6575.3	6575.3	6575.3	6575.3	6575.3
6605.3	2.5°	6588.6	6592.0	6548.8	6475.6	6395.8	6329.4	6246.2	6179.8	6133.2	6119.9
6665.1	5°	6635.2	6611.9	6488.9	6266.2	6000.3	5770.9	5514.9	5312.1	5179.2	5122.7
6728.3	7.5°	6705.0	6638.5	6369.2	5930.4	5421.8	4969.7	4511.0	4155.3	3929.3	3816.2
6788.1	10°	6764.8	6631.9	6169.8	5445.1	4667.2	3982.4	3364.1	2935.3	2696.0	2582.9
6857.9	12.5°	6821.3	6628.5	5910.5	4870.0	3816.2	2978.5	2403.4	2190.7	2124.2	2100.9
6970.9	15°	6927.7	6638.5	5584.7	4211.8	2968.5	2250.5	2041.1	2037.8	2051.1	2044.4
7143.8	17.5°	7074.0	6648.5	5215.7	3513.7	2290.4	1984.6	1974.6	2004.5	2024.5	2014.5
7359.9	20°	7263.5	6688.4	4823.5	2822.3	1967.9	1918.1	1941.4	1967.9	1984.6	1967.9
7649.1	22.5°	7529.4	6758.2	4394.6	2267.1	1864.9	1878.2	1898.1	1928.1	1944.7	1921.4
8018.1	25°	7855.2	6867.9	3972.5	1971.3	1815.0	1831.7	1861.6	1894.8	1914.8	1891.5
8483.5	27.5°	8277.4	7044.1	3583.5	1904.8	1765.2	1775.1	1818.4	1868.2	1894.8	1864.9
9145.0	30°	8889.0	7333.3	3247.8	1934.7	1735.3	1712.0	1771.8	1841.6	1871.5	1845.0
10045.8	32.5°	9700.1	7742.2	3041.7	1981.2	1722.0	1638.8	1695.4	1785.1	1835.0	1818.4
11222.6	35°	10763.9	8363.8	2961.9	2034.4	1712.0	1562.4	1602.3	1698.7	1785.1	1801.7
12705.2	37.5°	12053.7	9228.1	2985.2	2057.7	1682.1	1499.2	1519.2	1602.3	1715.3	1768.5
14374.0	40°	13519.7	10235.3	3118.1	2034.4	1648.8	1446.0	1449.4	1512.5	1612.3	1692.0
16169.1	42.5°	15032.2	11412.1	3364.1	1948.0	1618.9	1399.5	1389.5	1432.7	1499.2	1555.7
17960.9	45°	16471.6	12622.1	3606.8	1828.3	1582.3	1353.0	1329.7	1346.3	1359.6	1382.9
19706.1	47.5°	17728.2	13473.1	3537.0	1718.6	1532.5	1299.8	1259.9	1253.2	1213.3	1210.0
21265.2	50°	18595.8	13659.3	3141.4	1608.9	1459.3	1239.9	1176.8	1136.9	1067.1	1033.8
22432.0	52.5°	18871.7	12924.6	2566.3	1499.2	1339.7	1160.2	1070.4	1007.2	920.8	890.9
23103.5	55°	18506.0	11485.2	2051.1	1366.3	1173.5	1053.8	954.1	871.0	801.1	764.6
23176.6	57.5°	17611.8	9653.6	1622.2	1210.0	997.3	934.1	834.4	751.3	691.4	654.9
22365.5	60°	16129.2	7665.7	1283.2	1023.9	851.0	804.5	701.4	648.2	595.0	551.8
20271.2	62.5°	13878.7	5471.7	1007.2	811.1	711.4	658.2	598.4	558.5	495.3	435.5
16504.8	65°	10830.4	3347.5	777.9	595.0	571.8	545.2	508.6	472.0	395.6	335.7
10767.2	67.5°	6831.3	1585.7	555.1	448.8	452.1	438.8	422.2	392.3	335.7	282.6
4823.5	70°	3008.4	767.9	365.7	342.4	335.7	335.7	349.0	339.1	285.9	236.0
1675.4	72.5°	1023.9	412.2	272.6	259.3	242.7	239.3	292.5	282.6	229.4	182.8
834.4	75°	535.2	275.9	199.5	186.2	146.3	176.2	232.7	219.4	162.9	119.7
551.8	77.5°	349.0	196.1	136.3	119.7	83.1	116.3	172.9	152.9	96.4	59.8
362.3	80°	219.4	129.6	79.8	56.5	39.9	63.2	93.1	66.5	36.6	13.3
212.8	82.5°	116.3	66.5	29.9	19.9	16.6	19.9	23.3	16.6	6.6	0.0
109.7	85°	46.5	23.3	10.0	6.6	3.3	0.0	6.6	3.3	0.0	0.0
19.9	87.5°	16.6	3.3	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°
6575.3
6143.2
5142.6
3832.8
2586.3
2094.3
2041.1
2011.2
1964.6
1918.1
1888.2
1864.9
1841.6
1818.4
1801.7
1781.8
1718.6
1579.0
1396.2
1206.7
1037.2
887.6
764.6
648.2
541.9
425.5
325.8
275.9
226.0
172.9
109.7
53.2
10.0
0.0
0.0
0.0
0.0

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