

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: P852836

Luminaire Tested: **GLAN-SB6D-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852836
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-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 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: 45849 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

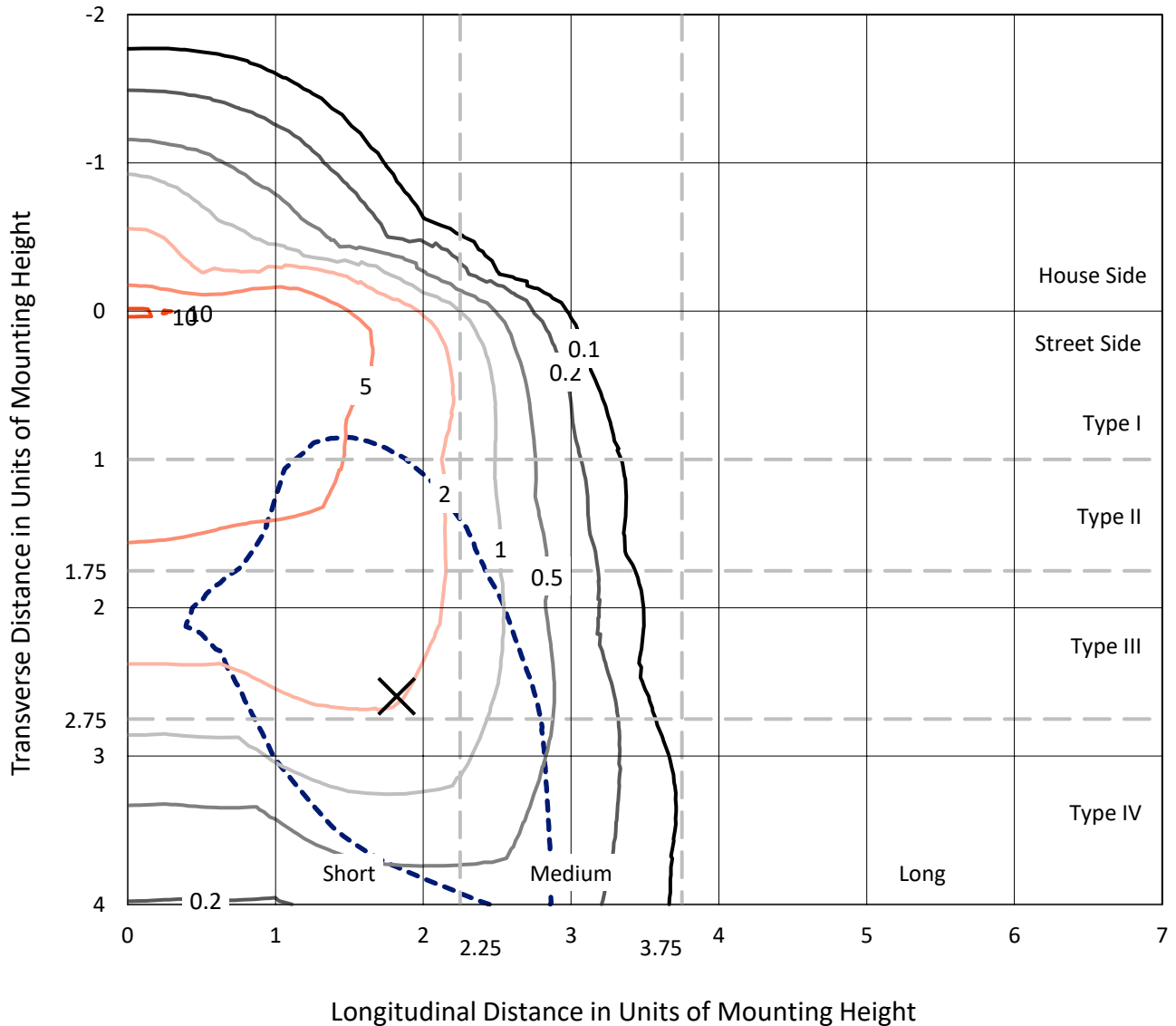
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

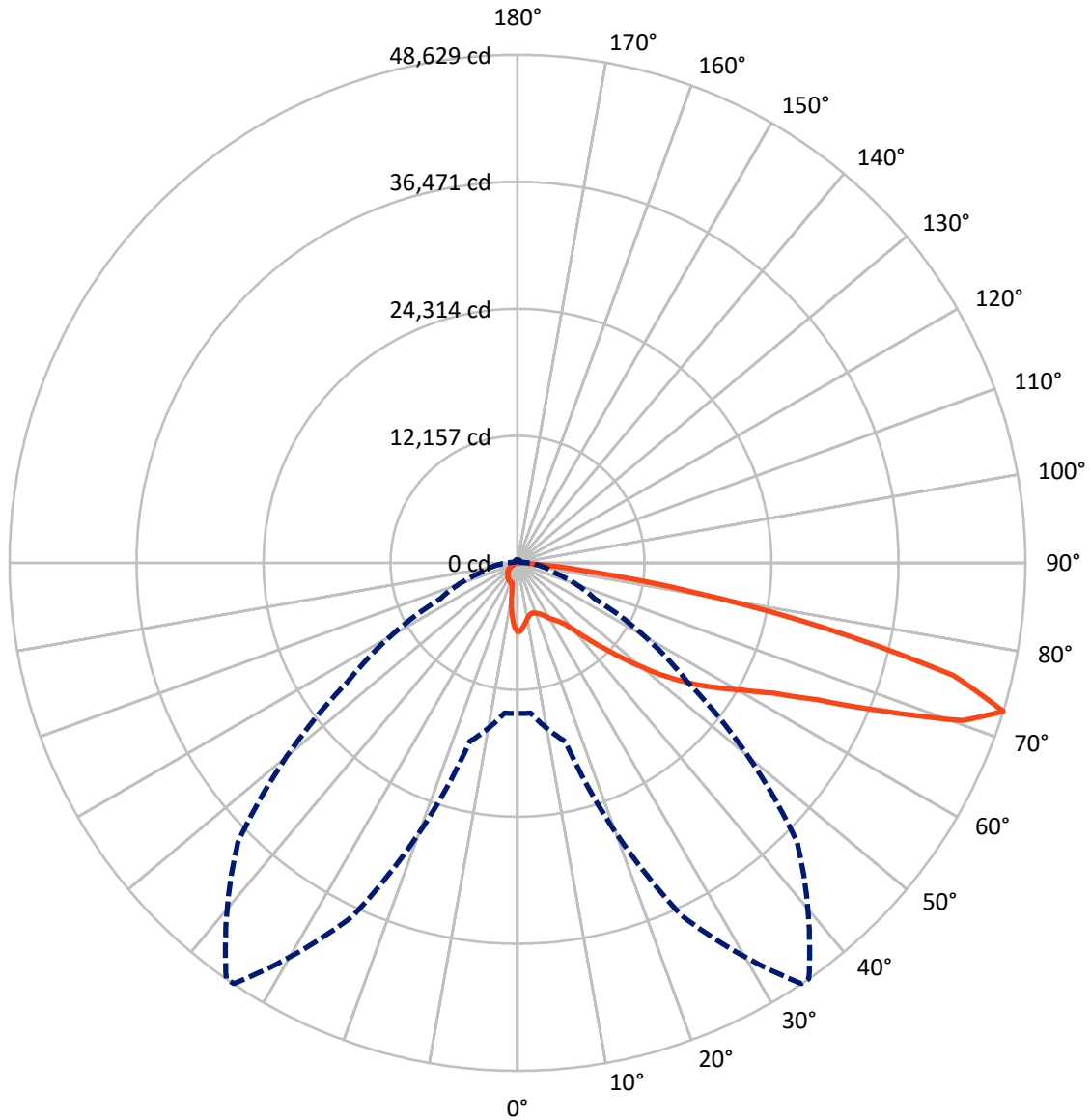
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 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	5160.1	0.0	5160.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	40688.9	0.0	40688.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	45849.0	0.0	45849.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.0	1.2
10°-20°	1277.4	2.8
20°-30°	2075.1	4.5
30°-40°	3462.3	7.6
40°-50°	6550.8	14.3
50°-60°	10409.2	22.7
60°-70°	12876.9	28.1
70°-80°	8004.4	17.5
80°-90°	646.9	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°	45849.0	100.0
0°-180°	45849.0	100.0

Coefficient of Utilization



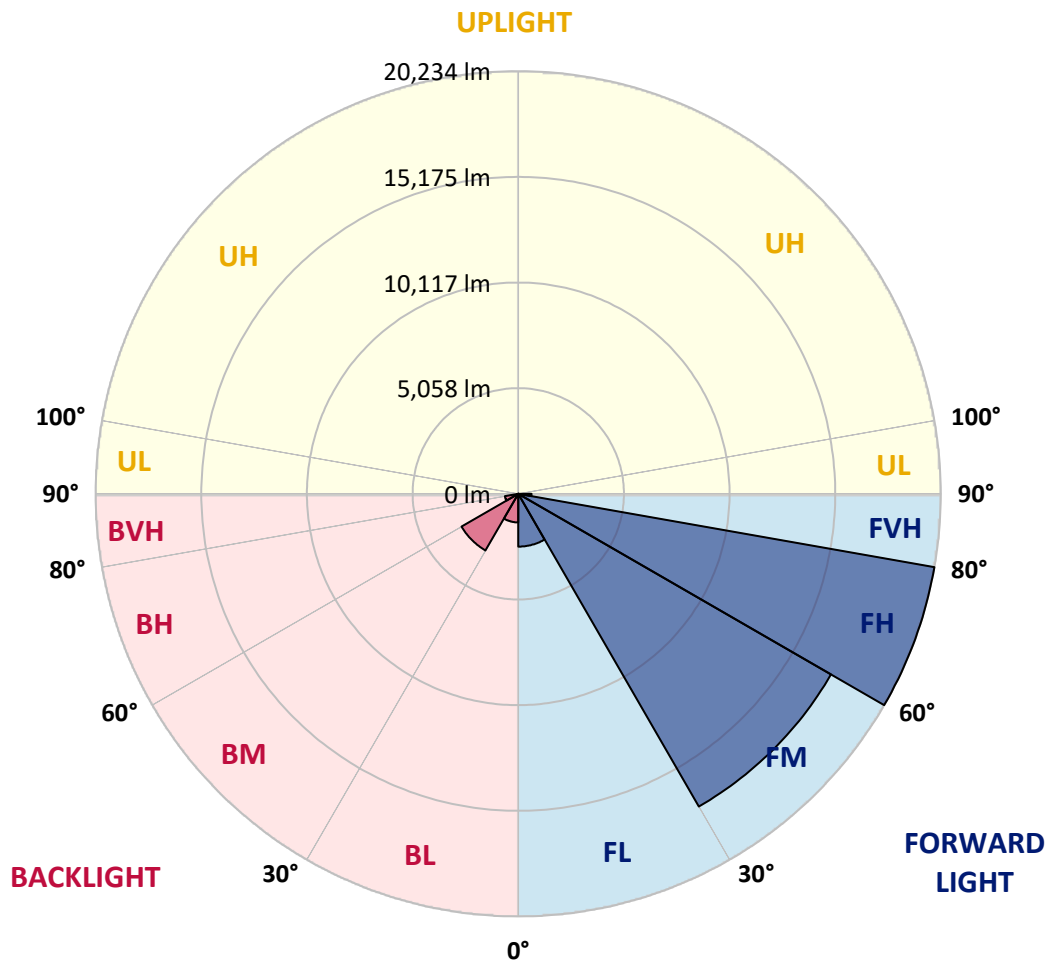
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2527.4	5.5			
FM (30°-60°)	17289.7	37.7			
FH (60°-80°)	20233.7	44.1			G5
FVH (80°-90°)	638.1	1.4			G4/750
BL (0°-30°)	1371.1	3.0	B3/2500		
BM (30°-60°)	3132.6	6.8	B3/5000		
BH (60°-80°)	647.5	1.4	B2/1000		G2/1000
BVH (80°-90°)	8.8	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°	6645.1	6645.1	6645.1	6645.1	6645.1	6645.1	6645.1	6645.1	6645.1	6645.1
2.5°	6349.4	6403.2	6413.3	6430.1	6430.1	6450.2	6483.8	6530.8	6608.1	6648.4
5°	5852.2	5892.5	5942.9	5983.2	6060.5	6070.6	6201.6	6329.3	6507.3	6641.7
7.5°	5351.7	5398.7	5465.9	5563.3	5664.1	5694.3	5892.5	6107.5	6389.7	6641.7
10°	4998.9	5002.3	5062.7	5160.2	5321.4	5358.4	5600.3	5906.0	6258.7	6601.4
12.5°	4800.7	4824.2	4851.1	4925.0	5079.5	5103.1	5361.7	5721.2	6127.7	6577.9
15°	4800.7	4817.5	4834.3	4871.3	4995.6	5015.7	5244.2	5603.6	6060.5	6587.9
17.5°	4851.1	4878.0	4864.5	4908.2	5039.2	5052.7	5254.2	5570.0	6057.1	6651.8
20°	4972.0	4992.2	4965.3	4992.2	5123.2	5150.1	5358.4	5633.9	6114.3	6762.6
22.5°	5163.5	5173.6	5109.8	5129.9	5264.3	5297.9	5539.8	5815.3	6252.0	6940.7
25°	5405.4	5425.6	5328.1	5351.7	5479.3	5519.6	5798.5	6087.4	6470.4	7185.9
27.5°	5684.2	5694.3	5610.3	5607.0	5771.6	5828.7	6110.9	6423.3	6762.6	7495.0
30°	6003.4	6033.6	5953.0	5939.6	6147.9	6194.9	6473.7	6836.5	7192.7	7958.6
32.5°	6255.4	6278.9	6231.8	6265.4	6477.1	6514.0	6913.8	7421.1	7867.9	8617.1
35°	6618.2	6631.6	6524.1	6584.6	6826.5	6920.5	7515.2	8240.8	8717.9	9443.5
37.5°	7931.7	7931.7	7474.8	7175.9	7407.7	7491.6	8338.2	9272.2	9766.0	10552.1
40°	9749.2	9719.0	9050.4	8439.0	8408.8	8573.4	9510.7	10572.3	11119.9	11882.5
42.5°	11687.6	11640.6	10730.2	10125.5	10024.7	10081.8	10864.6	12174.8	12732.4	13505.1
45°	13407.7	13394.3	12561.1	11748.1	11566.7	11748.1	12554.4	14049.4	14449.1	15262.1
47.5°	14848.9	14848.9	14240.8	13710.1	13616.0	13723.5	14842.2	16128.9	16091.9	17133.4
50°	16508.5	16495.1	15917.2	15688.8	15786.2	15937.4	17476.0	18319.3	17791.8	18971.0
52.5°	17670.9	17751.5	17553.3	17516.3	18013.5	18275.6	20150.2	20462.6	19313.7	20714.6
55°	18591.4	18685.4	18913.9	19172.6	20130.0	20472.7	22740.3	22495.1	20586.9	22226.3
57.5°	19894.9	19760.5	20113.2	20623.9	22172.6	22585.8	25249.9	24413.4	21611.6	23452.6
60°	21477.2	21497.3	21557.8	22202.8	24211.8	24742.6	27722.5	26227.5	22270.0	24205.1
62.5°	23378.6	23408.9	23533.2	24524.2	26949.8	27450.3	30356.3	27712.4	22572.4	23993.4
65°	23247.6	23375.3	24762.7	28152.5	31112.2	31606.0	33430.2	28753.8	22115.5	22058.4
67.5°	21178.2	21386.5	23707.9	32486.2	37387.7	37938.6	37145.8	28958.7	20143.5	17153.5
70°	18463.7	18537.6	21329.4	36383.2	44654.2	45211.9	40471.7	26704.5	15285.6	9567.8
72.5°	14418.9	14435.7	17711.2	37286.9	48598.3	48628.5	37861.4	19824.3	8220.7	3675.3
75°	10300.2	10199.4	11862.3	30238.7	42756.1	43098.8	28384.3	9299.0	3141.1	1736.9
77.5°	5523.0	5633.9	6712.2	17932.9	29536.6	30121.1	15487.2	2680.9	1599.1	1182.5
80°	1706.6	1800.7	2751.4	8210.6	16730.2	17083.0	5741.4	1192.6	1115.3	843.2
82.5°	537.5	557.7	1283.3	3450.2	6944.1	7105.3	1662.9	675.3	762.6	557.7
85°	154.5	157.9	571.1	1286.7	1716.7	1750.3	467.0	262.0	436.7	346.0
87.5°	16.8	53.8	215.0	215.0	151.2	147.8	50.4	57.1	124.3	43.7
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°
6645.1	0°	6645.1	6645.1	6645.1	6645.1	6645.1	6645.1	6645.1	6645.1	6645.1	6645.1
6675.3	2.5°	6658.5	6661.9	6618.2	6544.3	6463.6	6396.5	6312.5	6245.3	6198.2	6184.8
6735.8	5°	6705.5	6682.0	6557.7	6332.6	6063.9	5832.1	5573.4	5368.5	5234.1	5177.0
6799.6	7.5°	6776.1	6708.9	6436.8	5993.3	5479.3	5022.4	4558.8	4199.4	3970.9	3856.7
6860.1	10°	6836.5	6702.2	6235.2	5502.8	4716.7	4024.7	3399.8	2966.4	2724.5	2610.3
6930.6	12.5°	6893.7	6698.8	5973.2	4921.6	3856.7	3010.1	2428.9	2213.9	2146.7	2123.2
7044.8	15°	7001.2	6708.9	5643.9	4256.5	3000.0	2274.4	2062.7	2059.4	2072.8	2066.1
7219.5	17.5°	7149.0	6719.0	5271.0	3551.0	2314.7	2005.6	1995.5	2025.8	2045.9	2035.8
7437.9	20°	7340.5	6759.3	4874.6	2852.2	1988.8	1938.4	1961.9	1988.8	2005.6	1988.8
7730.2	22.5°	7609.2	6829.8	4441.2	2291.2	1884.7	1898.1	1918.3	1948.5	1965.3	1941.8
8103.1	25°	7938.5	6940.7	4014.6	1992.2	1834.3	1851.1	1881.3	1914.9	1935.1	1911.5
8573.4	27.5°	8365.1	7118.7	3621.5	1925.0	1783.9	1794.0	1837.6	1888.0	1914.9	1884.7
9241.9	30°	8983.3	7411.0	3282.2	1955.2	1753.7	1730.1	1790.6	1861.2	1891.4	1864.5
10152.4	32.5°	9803.0	7824.2	3073.9	2002.3	1740.2	1656.2	1713.3	1804.0	1854.4	1837.6
11341.6	35°	10878.0	8452.5	2993.3	2056.0	1730.1	1579.0	1619.3	1716.7	1804.0	1820.8
12839.9	37.5°	12181.5	9325.9	3016.8	2079.5	1699.9	1515.1	1535.3	1619.3	1733.5	1787.2
14526.4	40°	13663.0	10343.8	3151.2	2056.0	1666.3	1461.4	1464.7	1528.6	1629.3	1710.0
16340.5	42.5°	15191.6	11533.1	3399.8	1968.7	1636.1	1414.3	1404.3	1447.9	1515.1	1572.2
18151.3	45°	16646.2	12756.0	3645.0	1847.7	1599.1	1367.3	1343.8	1360.6	1374.0	1397.5
19915.0	47.5°	17916.1	13616.0	3574.5	1736.9	1548.7	1313.6	1273.2	1266.5	1226.2	1222.9
21490.6	50°	18792.9	13804.1	3174.7	1626.0	1474.8	1253.1	1189.3	1148.9	1078.4	1044.8
22669.8	52.5°	19071.8	13061.7	2593.5	1515.1	1353.9	1172.5	1081.8	1017.9	930.6	900.3
23348.4	55°	18702.2	11607.0	2072.8	1380.7	1185.9	1065.0	964.2	880.2	809.6	772.7
23422.3	57.5°	17798.5	9755.9	1639.4	1222.9	1007.8	944.0	843.2	759.2	698.8	661.8
22602.6	60°	16300.2	7747.0	1296.8	1034.7	860.0	813.0	708.9	655.1	601.3	557.7
20486.1	62.5°	14025.8	5529.7	1017.9	819.7	718.9	665.2	604.7	564.4	500.6	440.1
16679.8	65°	10945.2	3383.0	786.1	601.3	577.8	551.0	514.0	477.0	399.8	339.3
10881.4	67.5°	6903.7	1602.5	561.0	453.5	456.9	443.5	426.7	396.4	339.3	285.6
4874.6	70°	3040.3	776.0	369.5	346.0	339.3	339.3	352.7	342.7	288.9	238.5
1693.2	72.5°	1034.7	416.6	275.5	262.0	245.2	241.9	295.6	285.6	231.8	184.8
843.2	75°	540.9	278.8	201.6	188.1	147.8	178.1	235.2	221.7	164.6	120.9
557.7	77.5°	352.7	198.2	137.7	120.9	84.0	117.6	174.7	154.5	97.4	60.5
366.2	80°	221.7	131.0	80.6	57.1	40.3	63.8	94.1	67.2	37.0	13.4
215.0	82.5°	117.6	67.2	30.2	20.2	16.8	20.2	23.5	16.8	6.7	0.0
110.9	85°	47.0	23.5	10.1	6.7	3.4	0.0	6.7	3.4	0.0	0.0
20.2	87.5°	16.8	3.4	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°
6645.1
6208.3
5197.1
3873.5
2613.7
2116.5
2062.7
2032.5
1985.5
1938.4
1908.2
1884.7
1861.2
1837.6
1820.8
1800.7
1736.9
1595.8
1411.0
1219.5
1048.2
897.0
772.7
655.1
547.6
430.0
329.2
278.8
228.4
174.7
110.9
53.8
10.1
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