

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: P853210

Luminaire Tested: **GLAN-SB9C-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853210
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-SB9C-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 615mA 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: 50682 lumens
Efficiency: N/A
Efficacy: 112.7 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

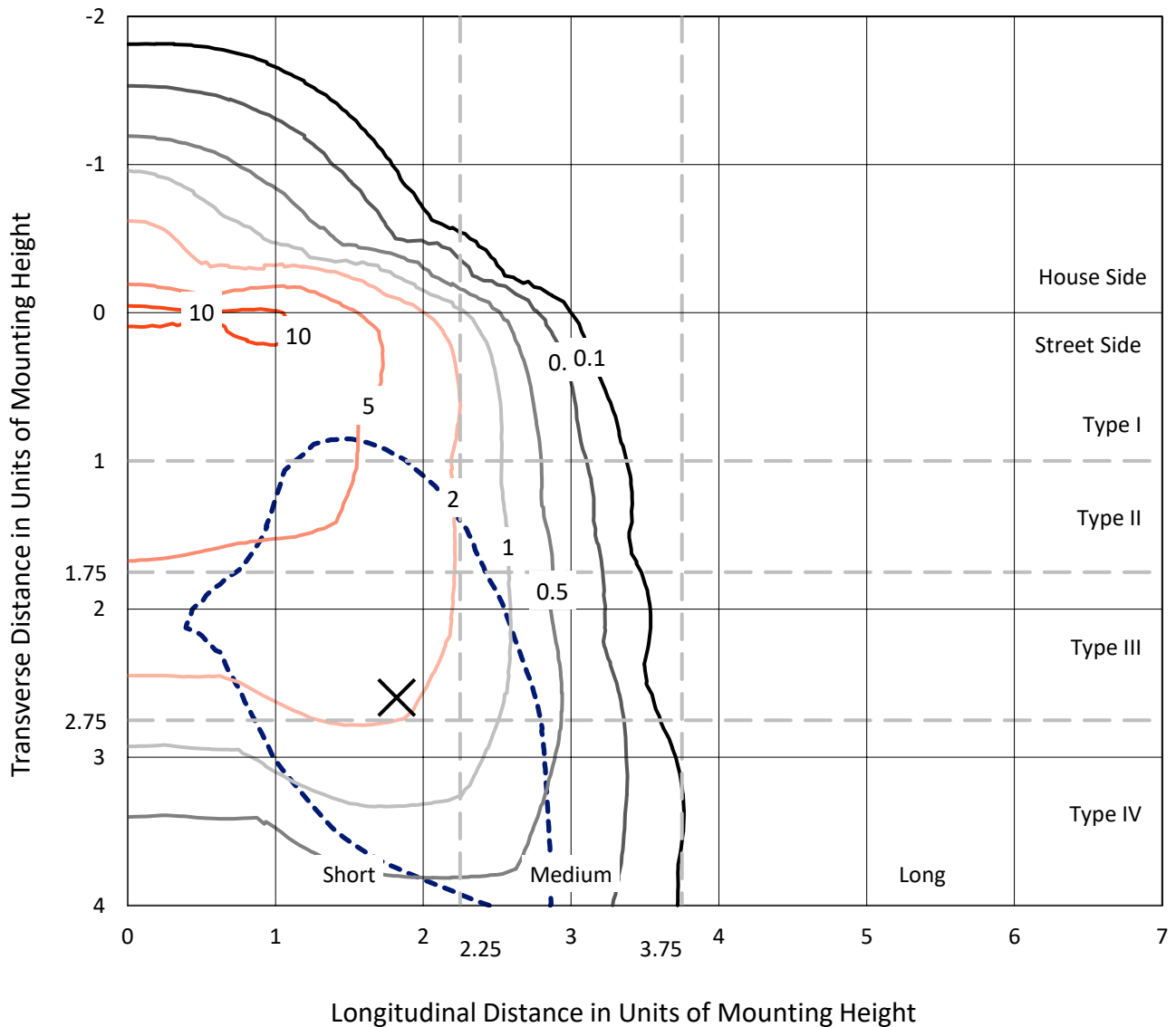
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

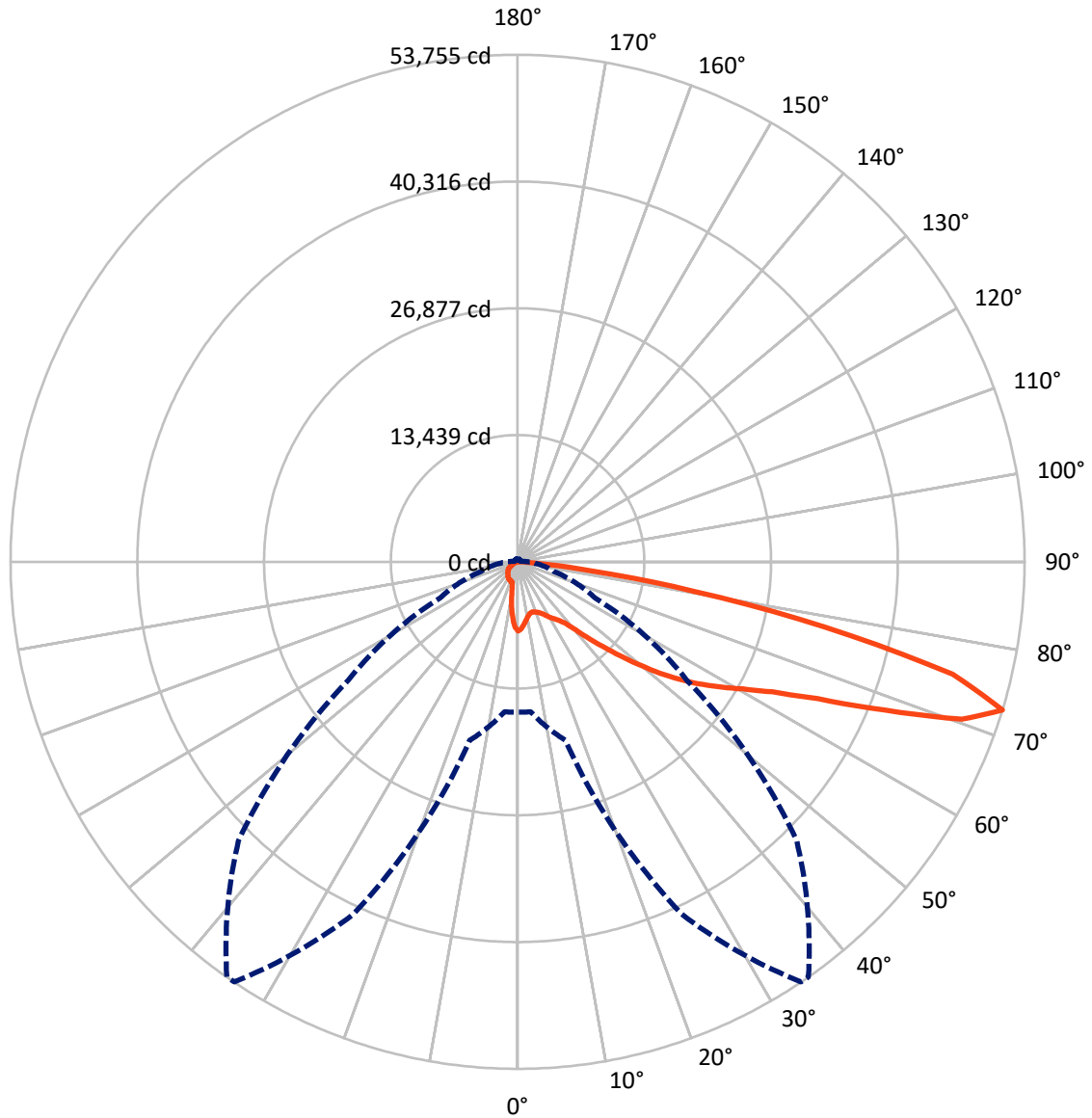
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 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	5704.0	0.0	5704.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	44978.0	0.0	44978.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	50682.0	0.0	50682.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.6	1.2
10°-20°	1412.1	2.8
20°-30°	2293.9	4.5
30°-40°	3827.3	7.6
40°-50°	7241.3	14.3
50°-60°	11506.4	22.7
60°-70°	14234.3	28.1
70°-80°	8848.1	17.5
80°-90°	715.1	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°	50682.0	100.0
0°-180°	50682.0	100.0

Coefficient of Utilization



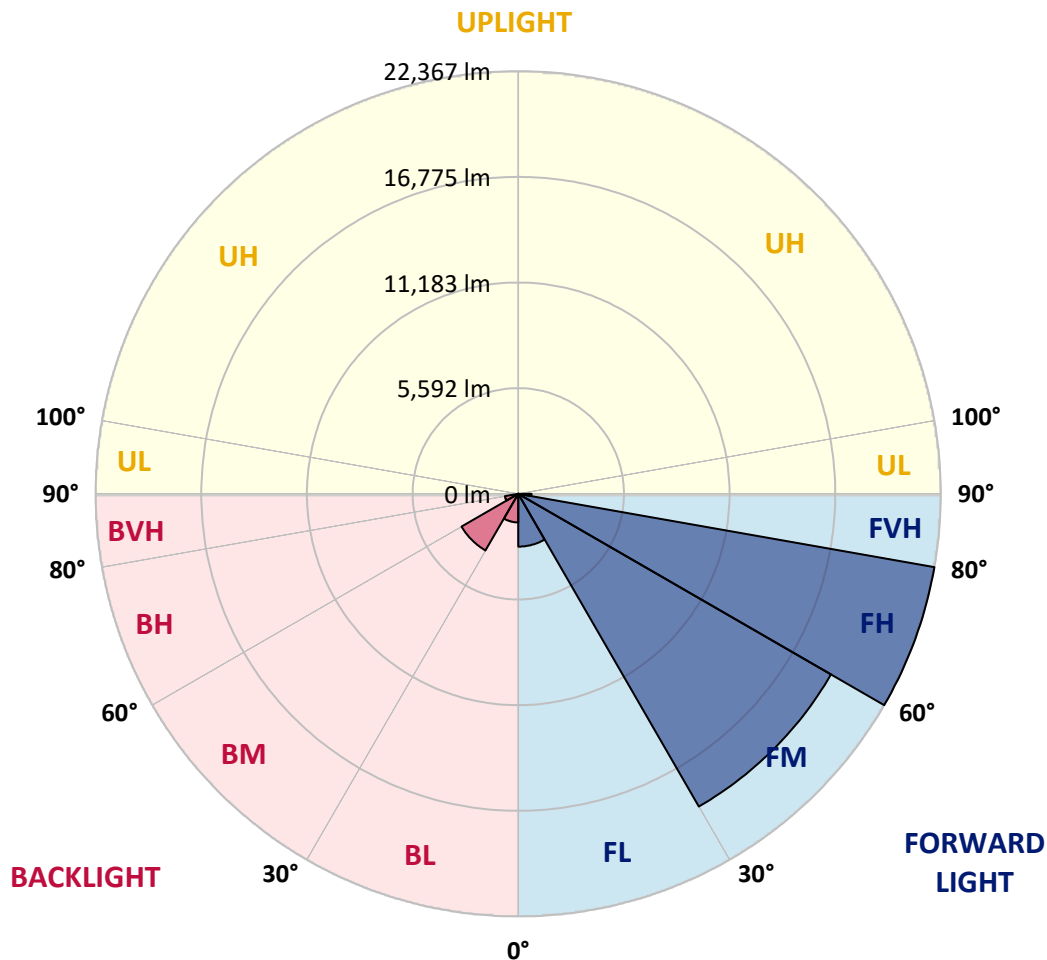
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2793.9	5.5			
FM (30°-60°)	19112.2	37.7			
FH (60°-80°)	22366.6	44.1			G5
FVH (80°-90°)	705.3	1.4			G4/750
BL (0°-30°)	1515.7	3.0	B3/2500		
BM (30°-60°)	3462.9	6.8	B3/5000		
BH (60°-80°)	715.8	1.4	B2/1000		G2/1000
BVH (80°-90°)	9.7	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°	7345.5	7345.5	7345.5	7345.5	7345.5	7345.5	7345.5	7345.5	7345.5	7345.5
2.5°	7018.7	7078.1	7089.3	7107.9	7107.9	7130.1	7167.3	7219.3	7304.7	7349.2
5°	6469.1	6513.7	6569.4	6613.9	6699.4	6710.5	6855.3	6996.4	7193.3	7341.8
7.5°	5915.8	5967.8	6042.0	6149.7	6261.1	6294.6	6513.7	6751.3	7063.3	7341.8
10°	5525.9	5529.6	5596.4	5704.1	5882.4	5923.2	6190.6	6528.5	6918.5	7297.2
12.5°	5306.7	5332.7	5362.5	5444.2	5615.0	5641.0	5926.9	6324.3	6773.6	7271.2
15°	5306.7	5325.3	5343.9	5384.7	5522.1	5544.4	5796.9	6194.3	6699.4	7282.4
17.5°	5362.5	5392.2	5377.3	5425.6	5570.4	5585.3	5808.1	6157.2	6695.6	7352.9
20°	5496.1	5518.4	5488.7	5518.4	5663.3	5693.0	5923.2	6227.7	6758.8	7475.5
22.5°	5707.8	5719.0	5648.4	5670.7	5819.2	5856.4	6123.7	6428.3	6911.0	7672.3
25°	5975.2	5997.5	5889.8	5915.8	6056.9	6101.5	6409.7	6729.1	7152.4	7943.4
27.5°	6283.4	6294.6	6201.7	6198.0	6380.0	6443.1	6755.1	7100.4	7475.5	8285.1
30°	6636.2	6669.6	6580.5	6565.7	6795.9	6847.9	7156.1	7557.2	7950.8	8797.5
32.5°	6914.7	6940.7	6888.7	6925.9	7159.8	7200.7	7642.6	8203.4	8697.3	9525.4
35°	7315.8	7330.7	7211.8	7278.7	7546.1	7650.0	8307.3	9109.5	9636.8	10439.0
37.5°	8767.8	8767.8	8262.8	7932.3	8188.5	8281.4	9217.2	10249.6	10795.5	11664.4
40°	10776.9	10743.5	10004.5	9328.6	9295.2	9477.1	10513.2	11686.7	12292.0	13135.0
42.5°	12919.7	12867.7	11861.3	11192.8	11081.4	11144.5	12009.8	13458.1	14074.6	14928.7
45°	14821.0	14806.2	13885.2	12986.5	12786.0	12986.5	13877.8	15530.3	15972.2	16870.9
47.5°	16414.2	16414.2	15742.0	15155.2	15051.3	15170.1	16406.7	17829.0	17788.2	18939.4
50°	18248.7	18233.8	17595.1	17342.6	17450.3	17617.4	19318.2	20250.3	19667.3	20970.8
52.5°	19533.6	19622.7	19403.6	19362.8	19912.4	20202.0	22274.2	22619.6	21349.5	22898.1
55°	20551.1	20655.1	20907.6	21193.6	22252.0	22630.7	25137.4	24866.3	22757.0	24569.2
57.5°	21992.0	21843.5	22233.4	22797.9	24509.8	24966.6	27911.5	26986.8	23889.7	25924.7
60°	23741.1	23763.4	23830.2	24543.3	26764.0	27350.7	30644.7	28992.2	24617.5	26756.6
62.5°	25843.0	25876.4	26013.8	27109.4	29790.6	30343.9	33556.2	30633.6	24951.7	26522.6
65°	25698.2	25839.3	27373.0	31120.1	34391.7	34937.6	36954.1	31784.8	24446.7	24383.6
67.5°	23410.6	23640.8	26206.9	35910.6	41328.8	41937.8	41061.4	32011.3	22266.8	18961.7
70°	20410.0	20491.7	23577.7	40218.4	49361.3	49977.8	44737.9	29519.5	16896.9	10576.4
72.5°	15938.8	15957.4	19578.2	41217.4	53721.1	53754.5	41852.4	21914.0	9087.2	4062.7
75°	11385.9	11274.5	13112.8	33426.2	47263.1	47641.9	31376.3	10279.3	3472.2	1919.9
77.5°	6105.2	6227.7	7419.8	19823.3	32650.1	33296.2	17119.7	2963.5	1767.7	1307.2
80°	1886.5	1990.5	3041.4	9076.1	18493.8	18883.7	6346.6	1318.3	1232.9	932.1
82.5°	594.2	616.5	1418.6	3813.9	7676.0	7854.3	1838.2	746.4	843.0	616.5
85°	170.8	174.5	631.3	1422.3	1897.7	1934.8	516.2	289.7	482.8	382.5
87.5°	18.6	59.4	237.7	237.7	167.1	163.4	55.7	63.1	137.4	48.3
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°
7345.5	0°	7345.5	7345.5	7345.5	7345.5	7345.5	7345.5	7345.5	7345.5	7345.5	7345.5
7378.9	2.5°	7360.4	7364.1	7315.8	7234.1	7145.0	7070.7	6977.9	6903.6	6851.6	6836.8
7445.8	5°	7412.4	7386.4	7249.0	7000.2	6703.1	6446.8	6160.9	5934.3	5785.8	5722.7
7516.3	7.5°	7490.4	7416.1	7115.3	6625.1	6056.9	5551.8	5039.4	4642.0	4389.5	4263.2
7583.2	10°	7557.2	7408.7	6892.5	6082.9	5213.9	4448.9	3758.2	3279.1	3011.7	2885.5
7661.2	12.5°	7620.3	7404.9	6602.8	5440.4	4263.2	3327.4	2684.9	2447.3	2373.0	2347.0
7787.4	15°	7739.2	7416.1	6238.9	4705.1	3316.3	2514.1	2280.2	2276.4	2291.3	2283.9
7980.5	17.5°	7902.6	7427.2	5826.7	3925.3	2558.7	2217.0	2205.9	2239.3	2261.6	2250.4
8221.9	20°	8114.2	7471.8	5388.4	3152.9	2198.5	2142.8	2168.7	2198.5	2217.0	2198.5
8545.0	22.5°	8411.3	7549.8	4909.4	2532.7	2083.3	2098.2	2120.5	2153.9	2172.5	2146.5
8957.2	25°	8775.3	7672.3	4437.8	2202.2	2027.6	2046.2	2079.6	2116.8	2139.0	2113.0
9477.1	27.5°	9246.9	7869.1	4003.3	2127.9	1971.9	1983.1	2031.3	2087.0	2116.8	2083.3
10216.1	30°	9930.2	8192.2	3628.2	2161.3	1938.5	1912.5	1979.4	2057.3	2090.8	2061.1
11222.5	32.5°	10836.3	8649.0	3398.0	2213.3	1923.7	1830.8	1893.9	1994.2	2049.9	2031.3
12537.1	35°	12024.7	9343.4	3308.8	2272.7	1912.5	1745.4	1790.0	1897.7	1994.2	2012.8
14193.4	37.5°	13465.6	10309.0	3334.8	2298.7	1879.1	1674.8	1697.1	1790.0	1916.2	1975.6
16057.7	40°	15103.3	11434.2	3483.4	2272.7	1842.0	1615.4	1619.1	1689.7	1801.1	1890.2
18063.0	42.5°	16792.9	12748.8	3758.2	2176.2	1808.5	1563.4	1552.3	1600.6	1674.8	1738.0
20064.6	45°	18400.9	14100.6	4029.3	2042.5	1767.7	1511.4	1485.4	1504.0	1518.9	1544.9
22014.3	47.5°	19804.7	15051.3	3951.3	1919.9	1712.0	1452.0	1407.5	1400.0	1355.5	1351.8
23756.0	50°	20773.9	15259.2	3509.4	1797.4	1630.3	1385.2	1314.6	1270.1	1192.1	1154.9
25059.4	52.5°	21082.2	14438.5	2866.9	1674.8	1496.6	1296.0	1195.8	1125.2	1028.7	995.2
25809.6	55°	20673.7	12830.5	2291.3	1526.3	1310.9	1177.2	1065.8	973.0	895.0	854.1
25891.3	57.5°	19674.7	10784.3	1812.2	1351.8	1114.1	1043.5	932.1	839.3	772.4	731.6
24985.2	60°	18018.4	8563.6	1433.5	1143.8	950.7	898.7	783.6	724.2	664.7	616.5
22645.6	62.5°	15504.3	6112.6	1125.2	906.1	794.7	735.3	668.4	623.9	553.3	486.5
18438.1	65°	12098.9	3739.6	869.0	664.7	638.7	609.0	568.2	527.3	441.9	375.1
12028.4	67.5°	7631.5	1771.4	620.2	501.3	505.1	490.2	471.6	438.2	375.1	315.7
5388.4	70°	3360.8	857.8	408.5	382.5	375.1	375.1	389.9	378.8	319.4	263.7
1871.7	72.5°	1143.8	460.5	304.5	289.7	271.1	267.4	326.8	315.7	256.2	204.2
932.1	75°	597.9	308.2	222.8	208.0	163.4	196.8	260.0	245.1	182.0	133.7
616.5	77.5°	389.9	219.1	152.3	133.7	92.8	130.0	193.1	170.8	107.7	66.8
404.8	80°	245.1	144.8	89.1	63.1	44.6	70.6	104.0	74.3	40.8	14.9
237.7	82.5°	130.0	74.3	33.4	22.3	18.6	22.3	26.0	18.6	7.4	0.0
122.5	85°	52.0	26.0	11.1	7.4	3.7	0.0	7.4	3.7	0.0	0.0
22.3	87.5°	18.6	3.7	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°
7345.5
6862.8
5745.0
4281.8
2889.2
2339.6
2280.2
2246.7
2194.7
2142.8
2109.3
2083.3
2057.3
2031.3
2012.8
1990.5
1919.9
1764.0
1559.7
1348.0
1158.6
991.5
854.1
724.2
605.3
475.3
363.9
308.2
252.5
193.1
122.5
59.4
11.1
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