

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: P846546

Luminaire Tested: **GLAN-SB2B-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8725 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

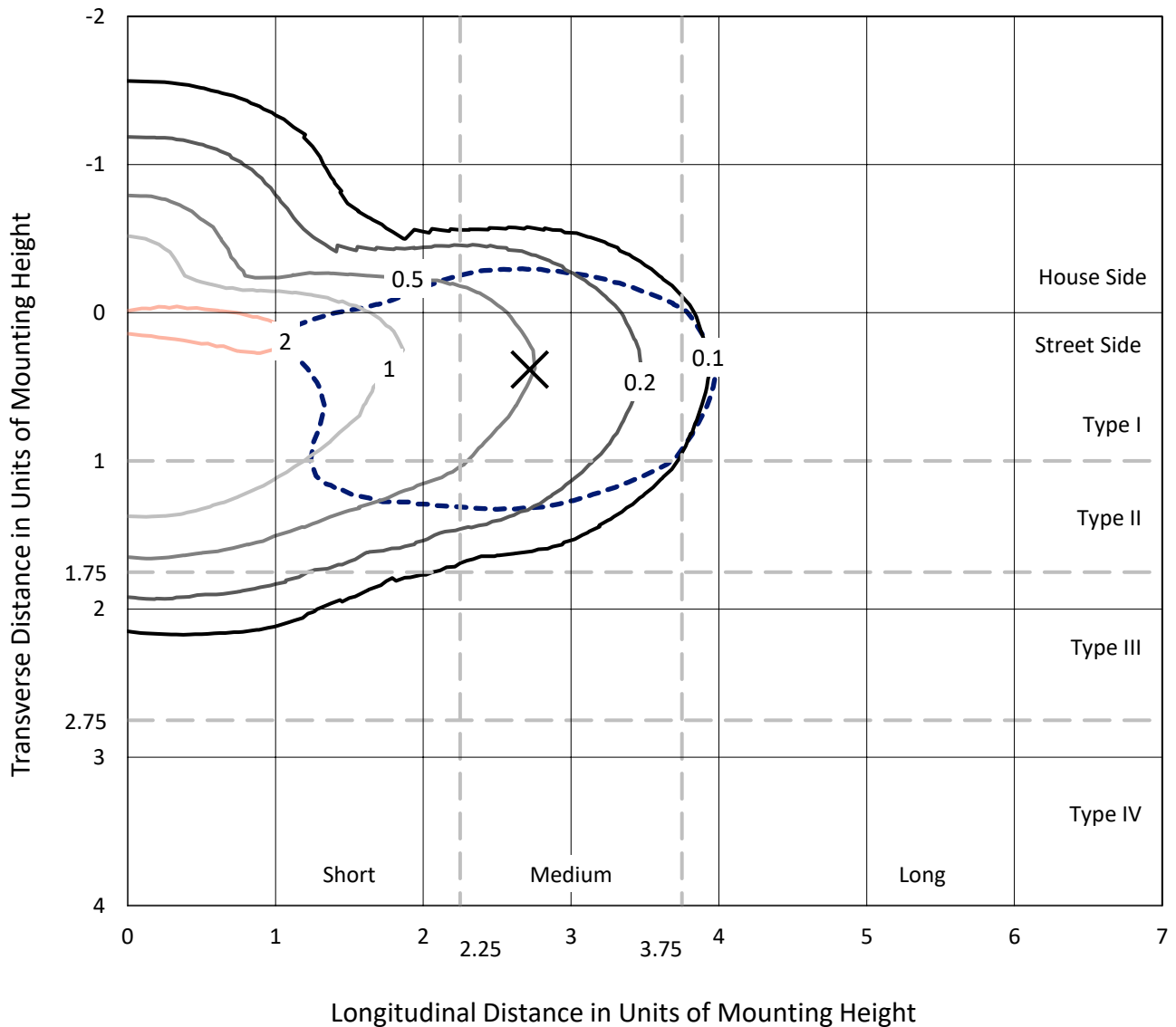
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

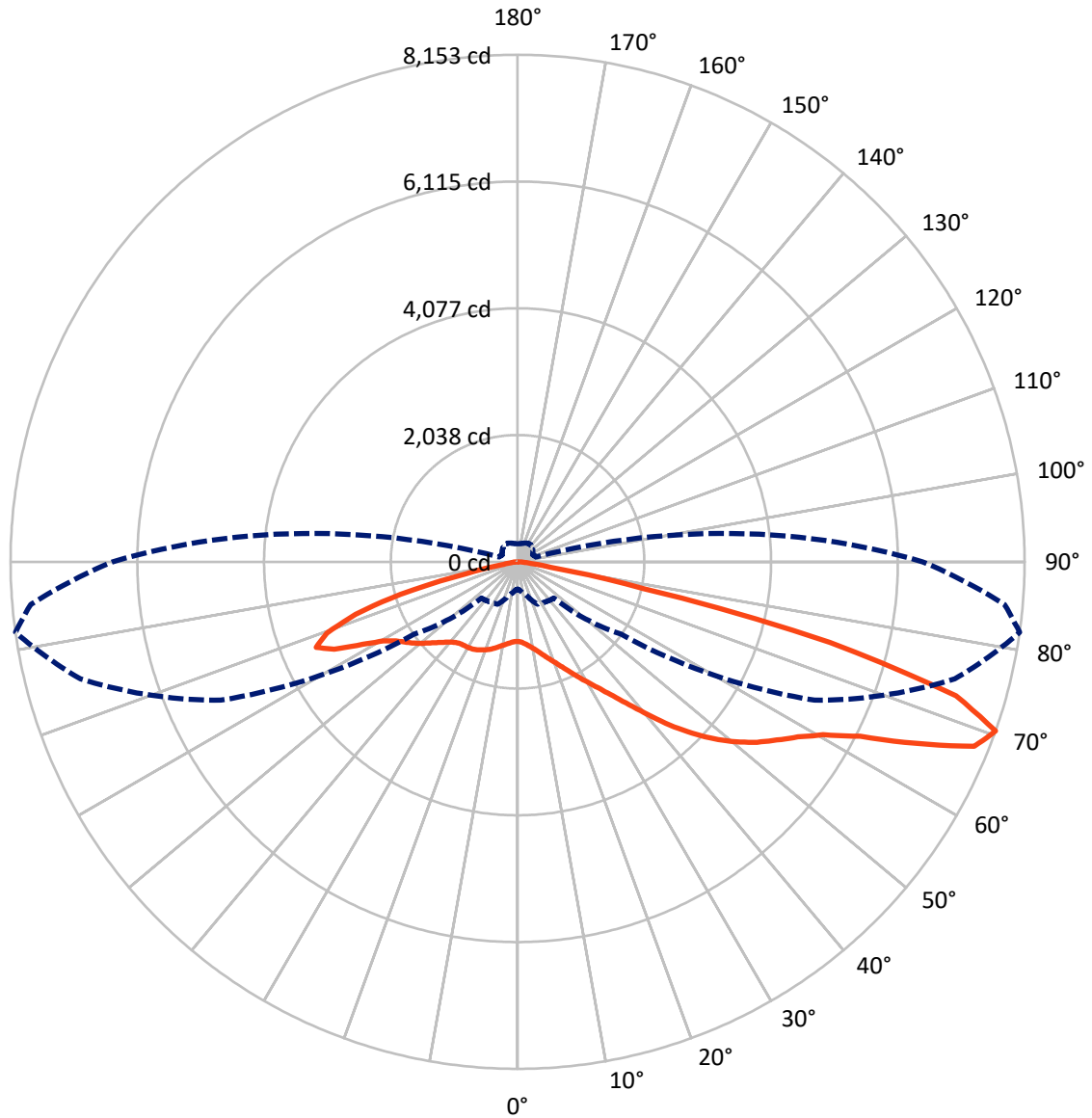
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2150.9	0.0	2150.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	6574.1	0.0	6574.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	8725.0	0.0	8725.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	1.4
10°-20°	347.0	4.0
20°-30°	580.5	6.7
30°-40°	906.9	10.4
40°-50°	1444.3	16.6
50°-60°	2010.0	23.0
60°-70°	2102.5	24.1
70°-80°	1098.9	12.6
80°-90°	114.1	1.3
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°	8725.0	100.0
0°-180°	8725.0	100.0

Coefficient of Utilization

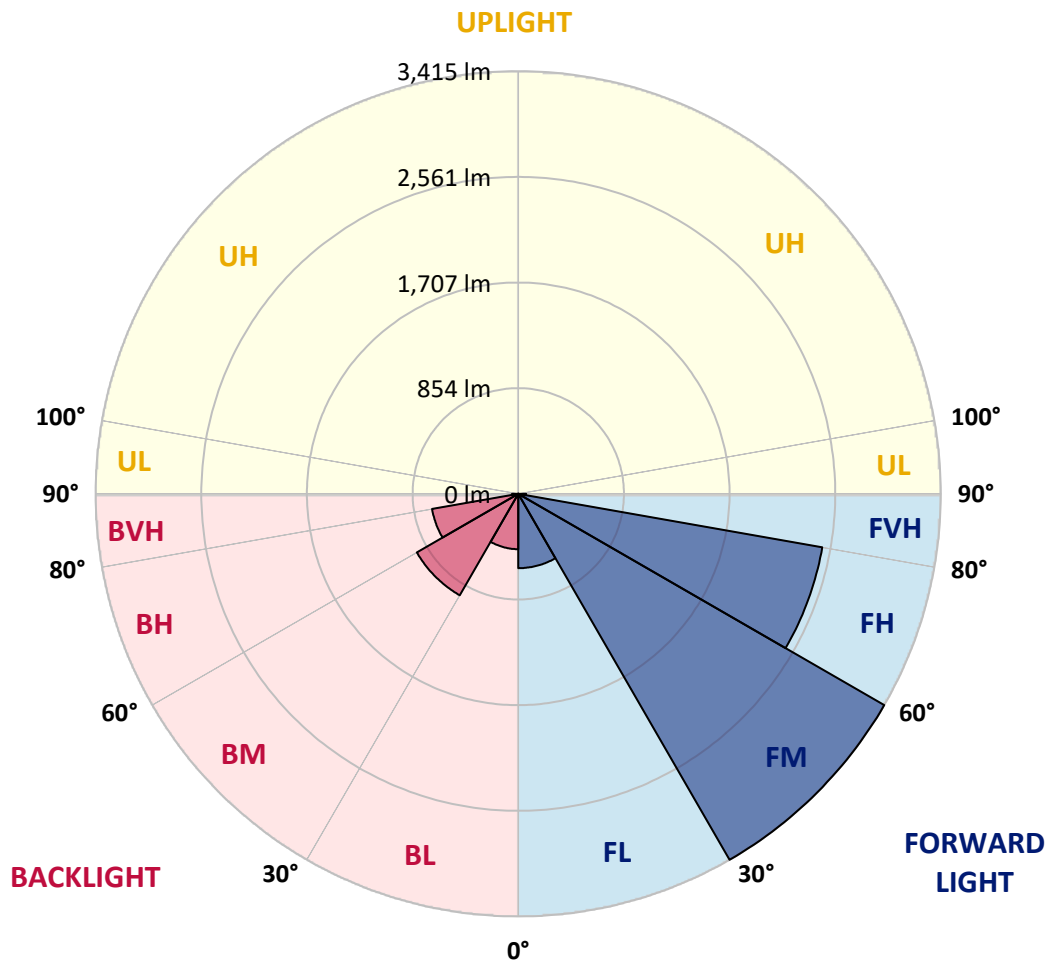


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	600.8	6.9			
FM (30°-60°)	3414.9	39.1			
FH (60°-80°)	2494.5	28.6			G2/5000
FVH (80°-90°)	63.9	0.7			G1/100
BL (0°-30°)	447.5	5.1	B1/500		
BM (30°-60°)	946.3	10.8	B1/1000		
BH (60°-80°)	706.9	8.1	B2/1000		G2/1000
BVH (80°-90°)	50.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1279.2	1279.2	1279.2	1279.2	1279.2	1279.2	1279.2	1279.2	1279.2	1279.2
2.5°	1309.8	1317.2	1314.8	1312.5	1312.5	1309.3	1308.8	1304.2	1300.5	1294.5
5°	1326.4	1334.3	1333.4	1335.2	1341.2	1342.6	1344.0	1341.2	1333.8	1326.4
7.5°	1311.6	1320.4	1323.2	1334.3	1352.8	1369.5	1382.0	1387.1	1380.1	1369.5
10°	1261.6	1271.3	1281.0	1307.4	1340.3	1379.7	1413.0	1432.9	1431.5	1421.3
12.5°	1160.2	1170.4	1191.2	1242.6	1302.8	1372.3	1434.3	1476.0	1490.3	1482.9
15°	1079.2	1088.0	1103.7	1156.5	1234.7	1340.3	1442.2	1523.2	1559.8	1555.6
17.5°	1076.9	1080.6	1090.3	1115.3	1175.5	1290.3	1433.8	1569.5	1639.4	1638.9
20°	1117.6	1119.0	1124.6	1129.7	1163.9	1252.3	1412.5	1607.9	1728.7	1728.7
22.5°	1174.1	1173.2	1178.7	1174.1	1190.8	1249.1	1399.1	1641.7	1828.3	1835.7
25°	1258.8	1254.2	1252.8	1242.2	1245.4	1279.2	1413.9	1680.1	1946.3	1961.6
27.5°	1371.8	1364.4	1359.3	1334.8	1326.4	1341.2	1459.3	1726.4	2077.8	2104.2
30°	1519.0	1505.6	1498.2	1455.6	1425.5	1427.8	1527.8	1788.0	2215.3	2257.9
32.5°	1719.9	1699.1	1679.2	1609.3	1554.2	1536.1	1616.2	1873.2	2364.4	2432.5
35°	1944.9	1928.3	1907.0	1799.1	1714.4	1672.7	1735.7	1992.2	2538.9	2646.8
37.5°	2161.6	2147.3	2157.5	2012.1	1902.8	1842.2	1892.2	2151.9	2754.2	2913.5
40°	2385.7	2374.6	2376.0	2237.1	2109.8	2041.7	2082.0	2352.4	3001.0	3230.6
42.5°	2629.2	2620.9	2593.1	2470.0	2326.9	2263.5	2300.5	2583.9	3265.8	3591.7
45°	2901.9	2896.8	2870.9	2729.7	2565.8	2494.5	2544.5	2839.4	3532.0	3931.6
47.5°	3137.6	3141.7	3138.5	3019.5	2849.6	2745.0	2804.7	3106.1	3779.7	4251.0
50°	3251.0	3272.8	3304.7	3267.7	3162.1	3055.6	3067.2	3363.5	4015.8	4550.6
52.5°	3191.7	3232.9	3320.0	3379.2	3420.0	3397.8	3366.7	3619.1	4238.1	4820.9
55°	2970.9	3028.8	3173.2	3316.3	3524.1	3685.7	3726.5	3902.4	4454.7	5058.9
57.5°	2568.6	2662.6	2792.2	3081.5	3431.6	3825.1	4145.9	4295.5	4684.4	5313.1
60°	1878.7	2004.7	2165.8	2596.4	3107.5	3750.5	4502.9	4899.2	5010.8	5642.3
62.5°	1202.3	1280.1	1428.3	1833.8	2421.3	3368.6	4612.1	5653.8	5564.0	6182.1
65°	823.2	873.2	1008.8	1236.6	1565.3	2507.5	4319.5	6219.6	6442.7	7037.7
67.5°	598.2	636.1	751.9	951.4	1019.9	1483.8	3351.9	6193.7	7296.9	7919.2
70°	436.1	463.0	560.2	751.9	784.7	825.5	2030.6	5264.9	7278.4	8153.4
72.5°	323.2	341.7	407.0	583.3	635.2	557.4	1005.1	3826.5	6254.3	7374.7
75°	233.8	247.7	295.8	446.3	508.3	424.5	501.4	2236.2	4362.6	5187.6
77.5°	178.7	189.4	220.8	326.9	407.0	318.5	311.1	1028.7	2068.6	2078.7
80°	143.5	150.5	167.6	230.1	312.0	238.4	202.8	415.3	653.7	553.3
82.5°	105.6	117.1	141.7	161.6	223.2	164.4	123.6	209.7	248.6	213.9
85°	60.2	68.1	85.6	115.7	142.6	100.5	70.8	93.1	115.7	94.9
87.5°	21.3	27.8	30.1	45.4	62.0	41.7	27.3	26.9	38.0	28.2
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°
1279.2	0°	1279.2	1279.2	1279.2	1279.2	1279.2	1279.2	1279.2	1279.2	1279.2	1279.2
1293.1	2.5°	1288.5	1286.1	1276.9	1264.4	1251.4	1238.9	1234.7	1226.0	1219.9	1216.7
1323.2	5°	1314.4	1307.0	1285.2	1257.4	1228.3	1196.8	1174.6	1154.2	1139.4	1125.5
1364.4	7.5°	1351.4	1338.5	1301.0	1252.3	1200.5	1148.2	1109.3	1079.7	1059.7	1046.8
1412.5	10°	1394.5	1374.6	1317.2	1244.5	1164.4	1089.4	1043.5	1018.1	1005.6	998.6
1467.6	12.5°	1444.0	1415.8	1333.8	1226.4	1109.3	1023.6	992.2	984.7	985.2	985.7
1537.1	15°	1505.1	1465.8	1347.3	1187.1	1037.5	973.2	967.6	979.7	992.2	998.2
1615.8	17.5°	1574.1	1518.6	1349.6	1122.2	967.2	940.8	958.4	984.3	1003.3	1011.6
1703.7	20°	1648.2	1572.3	1332.9	1030.6	909.3	914.4	945.9	979.2	1000.0	1010.7
1804.2	22.5°	1732.9	1629.7	1293.1	934.3	862.1	885.7	922.7	955.1	976.9	987.5
1922.3	25°	1829.7	1694.0	1230.6	853.3	821.3	853.3	890.3	917.1	934.7	944.5
2054.2	27.5°	1937.1	1761.1	1147.2	788.9	785.7	819.9	850.5	871.3	880.6	888.0
2194.5	30°	2045.0	1822.3	1046.3	740.3	754.6	787.1	808.8	818.1	820.9	822.2
2351.0	32.5°	2161.6	1875.0	940.3	700.0	725.0	755.1	768.1	772.2	759.3	750.5
2540.8	35°	2302.8	1931.5	836.6	668.1	695.8	721.8	725.9	722.2	707.0	688.9
2778.8	37.5°	2477.4	2001.9	753.7	645.4	668.5	685.7	680.6	679.6	681.0	659.7
3064.9	40°	2691.3	2093.6	693.1	627.8	646.3	650.0	635.7	643.5	650.5	618.1
3378.8	42.5°	2928.8	2204.2	654.6	615.8	627.8	619.0	596.8	605.6	604.6	562.0
3694.1	45°	3170.9	2324.6	641.2	607.0	610.7	593.1	568.5	570.8	551.4	513.0
3996.4	47.5°	3411.6	2453.8	649.6	599.5	589.4	569.5	550.5	540.3	511.6	482.9
4286.2	50°	3647.8	2589.4	680.1	584.7	560.2	548.6	534.7	516.7	486.1	461.6
4560.3	52.5°	3866.7	2726.0	714.4	560.2	523.6	530.6	521.8	500.9	470.8	445.8
4819.5	55°	4074.2	2862.6	727.8	526.4	489.4	514.8	509.7	471.3	435.2	414.8
5090.8	57.5°	4300.1	3026.9	713.0	483.3	461.6	496.8	477.3	434.7	413.9	398.6
5444.1	60°	4613.1	3284.8	681.0	430.1	435.2	469.9	436.6	419.0	396.3	379.2
5973.7	62.5°	5133.0	3765.8	629.6	377.3	404.2	430.1	417.1	399.5	376.4	359.7
6879.3	65°	5901.5	4434.4	532.9	336.1	369.5	391.2	396.3	378.7	354.6	337.0
7672.8	67.5°	6549.7	4853.8	403.2	301.9	333.8	359.7	374.1	357.0	331.5	314.4
7858.5	70°	6514.0	4549.2	307.9	268.1	302.3	328.7	347.2	333.8	306.5	290.3
7138.1	72.5°	5785.8	3805.6	249.1	233.8	270.4	296.3	318.5	308.3	280.6	264.8
5229.3	75°	4250.6	2701.4	199.1	199.1	230.6	262.5	287.0	280.6	255.1	244.0
2195.4	77.5°	1791.7	1133.4	156.0	165.3	191.7	225.5	256.0	258.3	236.1	250.0
580.6	80°	476.4	312.5	119.0	130.1	150.5	186.1	222.7	221.8	197.7	184.7
215.7	82.5°	181.5	123.2	84.7	91.7	108.8	142.6	176.4	181.9	157.9	136.6
84.7	85°	69.9	52.8	52.3	55.1	63.4	94.4	133.3	138.0	119.0	100.9
23.6	87.5°	18.1	15.7	19.4	18.5	29.2	50.5	76.4	79.2	72.7	42.1
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°
1279.2
1220.4
1131.0
1049.6
1000.5
986.6
997.7
1013.4
1013.4
990.3
947.2
890.8
825.5
753.3
689.8
661.1
619.0
561.6
514.4
482.9
459.7
446.3
413.0
397.2
378.2
359.7
338.0
314.8
291.7
264.8
240.7
226.9
171.8
136.6
104.2
60.2
0.0

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