

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: P848205

Luminaire Tested: **GLAN-SB4C-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848205
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4C-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14787 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

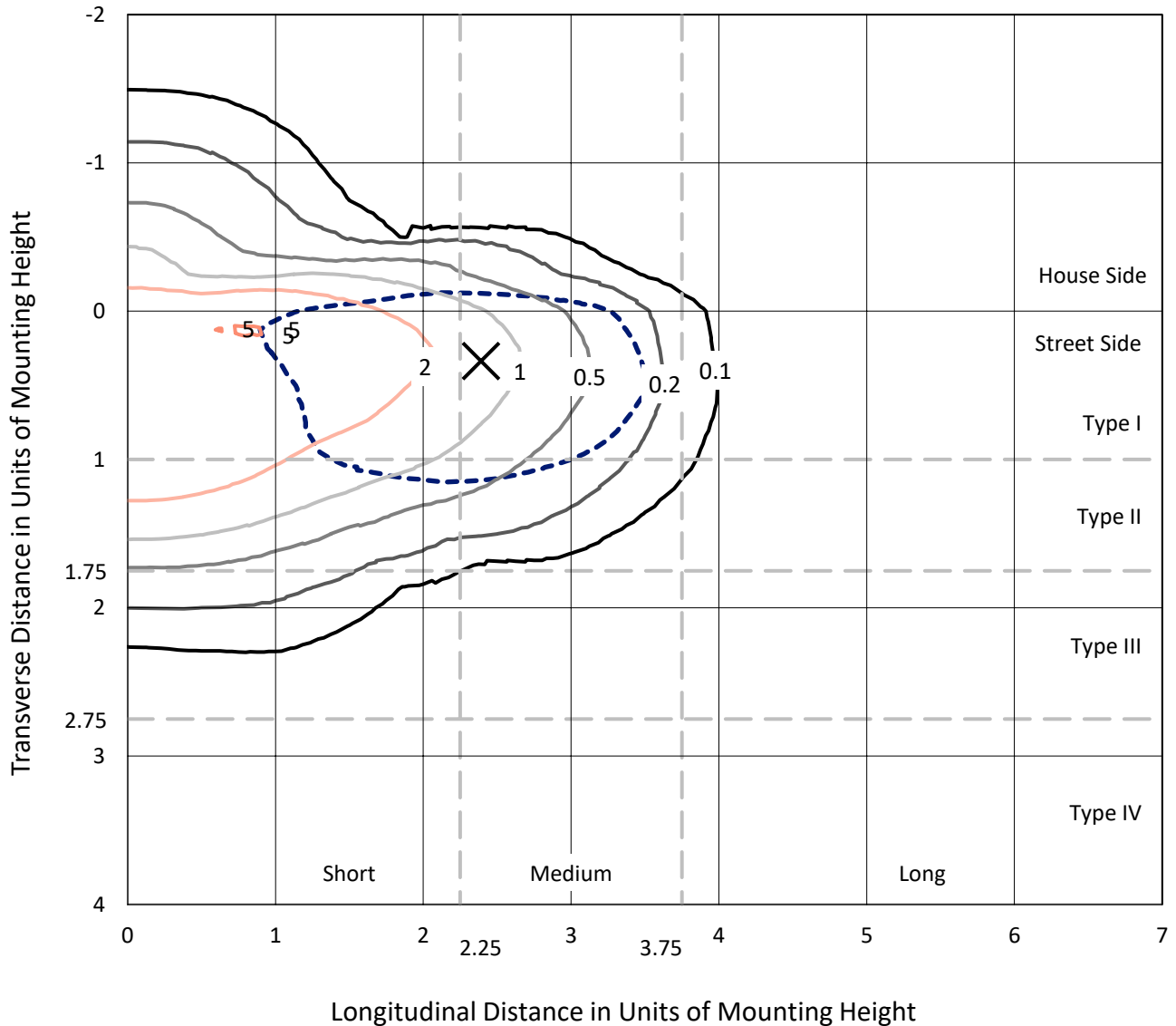
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

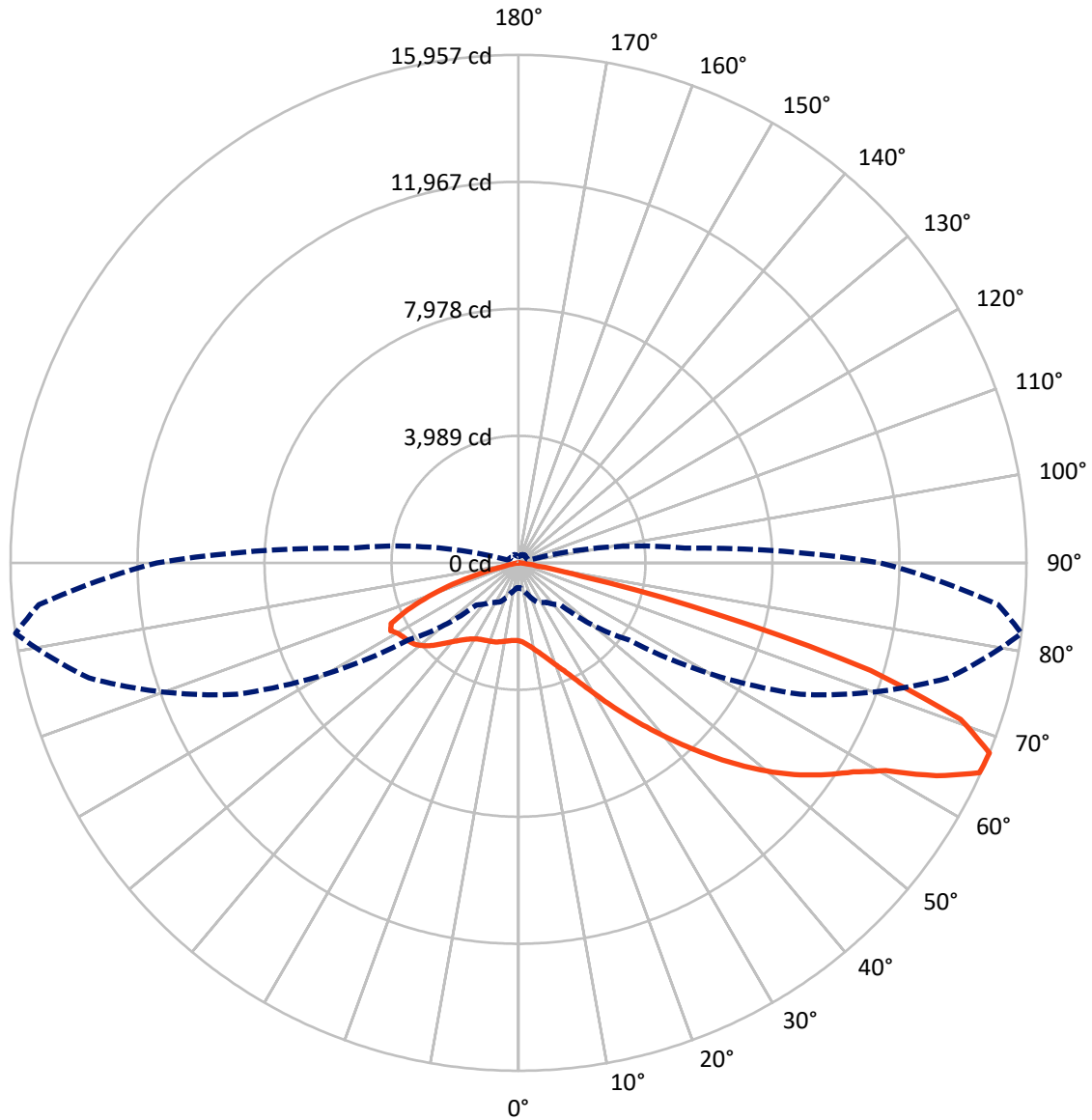
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2678.5	0.0	2678.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	12108.5	0.0	12108.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	14787.0	0.0	14787.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.3	1.5
10°-20°	567.1	3.8
20°-30°	908.4	6.1
30°-40°	1606.3	10.9
40°-50°	2814.4	19.0
50°-60°	3753.6	25.4
60°-70°	3494.4	23.6
70°-80°	1341.2	9.1
80°-90°	83.3	0.6
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°	14787.0	100.0
0°-180°	14787.0	100.0

Coefficient of Utilization

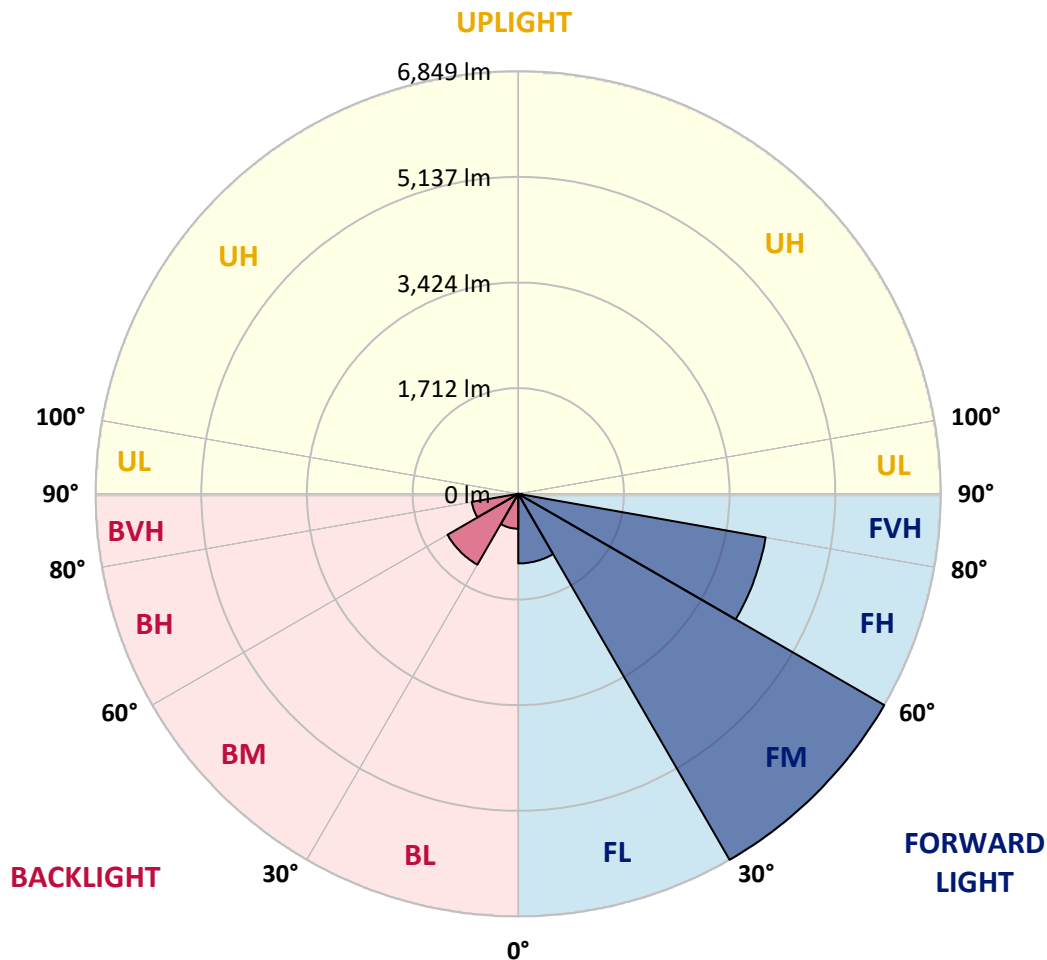


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1128.1	7.6			
FM (30°-60°)	6848.7	46.3			
FH (60°-80°)	4071.1	27.5			G2/5000
FVH (80°-90°)	60.6	0.4			G1/100
BL (0°-30°)	565.7	3.8	B2/1000		
BM (30°-60°)	1325.6	9.0	B2/2500		
BH (60°-80°)	764.5	5.2	B2/1000		G2/1000
BVH (80°-90°)	22.7	0.2			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°	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7
2.5°	2589.2	2604.1	2595.6	2591.3	2583.8	2573.2	2564.7	2538.1	2510.4	2492.3
5°	2641.3	2656.2	2655.2	2659.4	2664.8	2668.0	2665.8	2636.0	2596.6	2565.7
7.5°	2596.6	2613.7	2627.5	2648.8	2686.1	2725.4	2744.6	2738.2	2697.8	2655.2
10°	2469.9	2488.0	2521.0	2571.1	2649.9	2735.0	2806.4	2839.4	2813.8	2767.0
12.5°	2237.8	2255.9	2320.9	2429.5	2561.5	2709.5	2845.7	2934.1	2940.5	2893.7
15°	1977.0	1995.1	2064.3	2200.6	2401.8	2639.2	2867.0	3034.2	3090.6	3050.2
17.5°	1815.2	1831.2	1883.3	1993.0	2202.7	2498.7	2859.6	3140.6	3269.5	3237.5
20°	1766.2	1780.1	1804.5	1881.2	2055.8	2352.8	2810.6	3240.7	3462.2	3444.1
22.5°	1818.4	1831.2	1838.6	1872.7	1982.3	2257.0	2748.9	3342.9	3685.7	3687.9
25°	1938.7	1951.5	1942.9	1964.2	2012.1	2227.2	2725.4	3463.2	3966.8	3990.2
27.5°	2136.7	2137.8	2117.5	2116.5	2123.9	2271.9	2749.9	3592.0	4321.3	4365.0
30°	2533.8	2517.8	2440.1	2356.0	2317.7	2406.1	2818.1	3744.3	4739.7	4817.4
32.5°	3146.0	3122.5	2979.9	2778.7	2576.4	2622.2	2940.5	3917.8	5195.4	5335.9
35°	3810.3	3803.9	3654.9	3355.7	3002.2	2929.9	3139.6	4145.7	5692.6	5916.1
37.5°	4427.8	4424.6	4339.4	3987.0	3556.9	3358.9	3459.0	4443.8	6224.9	6548.5
40°	4992.0	5001.6	4916.4	4601.3	4168.0	3909.3	3893.3	4812.1	6816.8	7237.3
42.5°	5479.6	5490.3	5404.0	5170.9	4771.7	4518.3	4426.7	5263.5	7394.9	7977.2
45°	5810.7	5876.7	5864.0	5677.7	5391.3	5128.3	5067.6	5829.9	8053.9	8761.9
47.5°	5904.4	5965.1	6060.9	6086.5	5911.9	5653.2	5725.6	6512.3	8720.4	9547.6
50°	5673.4	5729.8	5928.9	6194.0	6315.4	6235.5	6365.4	7243.7	9402.8	10331.1
52.5°	5217.7	5275.2	5526.5	5945.9	6441.0	6692.2	7007.4	7964.5	10063.9	11073.2
55°	4558.7	4619.4	4942.0	5416.8	6201.4	6880.7	7542.9	8684.2	10669.7	11740.7
57.5°	3662.3	3707.0	4042.4	4706.7	5598.9	6693.3	7937.9	9469.9	11240.3	12396.5
60°	2386.9	2426.3	2815.9	3556.9	4600.3	6067.3	8016.6	10346.0	11998.3	13249.3
62.5°	1587.4	1614.0	1845.0	2389.0	3239.7	4865.3	7555.7	11045.5	13109.8	14733.4
65°	1089.1	1115.7	1346.8	1725.8	2093.1	3218.4	6230.2	10952.9	14116.9	15911.9
67.5°	777.2	799.5	995.4	1353.1	1515.0	1869.5	4223.4	9769.0	13972.2	15956.6
70°	556.8	569.6	731.4	1054.0	1204.1	1123.2	2348.6	7471.5	12233.6	14734.4
72.5°	389.7	393.9	507.8	802.7	969.9	819.8	1117.9	4981.4	9252.7	11565.0
75°	264.0	269.4	341.7	588.7	778.2	626.0	591.9	2671.1	5431.7	6401.6
77.5°	161.8	164.0	220.4	402.4	582.4	477.0	381.1	1131.7	2101.6	2063.2
80°	91.6	91.6	140.5	250.2	397.1	307.7	267.2	481.2	665.4	584.5
82.5°	51.1	52.2	102.2	155.4	263.0	182.1	146.9	222.5	287.4	254.4
85°	21.3	23.4	62.8	73.5	125.6	90.5	59.6	93.7	106.5	94.8
87.5°	2.1	3.2	19.2	13.8	14.9	18.1	8.5	18.1	14.9	14.9
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°
2449.7	0°	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7
2485.9	2.5°	2465.7	2449.7	2409.2	2362.4	2300.7	2270.8	2230.4	2202.7	2179.3	2181.4
2547.7	5°	2513.6	2473.1	2382.6	2269.8	2129.3	2029.2	1922.7	1849.3	1789.6	1776.9
2632.8	7.5°	2579.6	2515.7	2357.1	2153.7	1916.3	1736.4	1575.6	1472.4	1398.9	1375.5
2736.1	10°	2664.8	2572.1	2324.1	2007.9	1666.1	1437.2	1264.8	1183.9	1133.8	1116.8
2857.5	12.5°	2763.8	2637.1	2280.4	1830.1	1408.5	1188.1	1078.5	1038.0	1022.0	1016.7
3006.5	15°	2888.3	2718.0	2214.4	1619.3	1190.3	1035.9	989.0	983.7	985.8	983.7
3185.4	17.5°	3036.3	2806.4	2106.9	1402.1	1043.3	958.2	941.1	945.4	950.7	949.6
3385.5	20°	3198.1	2893.7	1969.6	1209.4	943.3	902.8	893.2	897.5	901.7	899.6
3616.5	22.5°	3382.3	2987.3	1817.3	1059.3	876.2	851.7	841.1	842.1	842.1	837.9
3909.3	25°	3602.7	3090.6	1657.6	952.8	825.1	805.9	793.1	788.9	782.5	769.7
4264.9	27.5°	3865.7	3200.3	1504.3	878.3	784.6	766.5	751.6	741.0	725.0	703.7
4691.8	30°	4161.6	3333.3	1374.4	831.5	752.7	734.6	717.6	701.6	678.2	651.6
5182.6	32.5°	4509.8	3476.0	1279.7	800.6	723.9	704.8	684.6	665.4	639.8	613.2
5734.1	35°	4925.0	3648.5	1224.3	779.3	701.6	676.0	653.7	632.4	613.2	589.8
6333.5	37.5°	5375.3	3831.6	1207.3	768.7	686.7	647.3	621.7	606.8	604.7	590.9
6981.8	40°	5868.2	4048.8	1220.1	762.3	670.7	619.6	591.9	588.7	594.1	569.6
7674.9	42.5°	6389.9	4306.4	1241.4	754.8	648.4	591.9	565.3	565.3	561.1	527.0
8407.4	45°	6954.1	4603.4	1262.6	736.7	621.7	564.3	544.0	536.6	518.5	485.5
9144.1	47.5°	7522.7	4905.8	1278.6	703.7	589.8	540.8	522.7	505.7	479.1	449.3
9867.0	50°	8062.4	5177.3	1261.6	654.7	553.6	518.5	499.3	475.9	447.1	426.9
10551.5	52.5°	8544.7	5412.6	1189.2	597.3	515.3	495.1	478.0	453.5	430.1	408.8
11169.0	55°	8964.2	5603.1	1061.4	543.0	481.2	474.8	457.8	426.9	395.0	376.9
11781.2	57.5°	9366.6	5747.9	901.7	498.2	450.3	452.5	426.9	399.2	369.4	350.3
12606.2	60°	9902.1	5941.7	739.9	456.7	417.3	423.7	396.0	375.8	338.6	314.1
14021.1	62.5°	10758.1	6243.0	587.7	405.6	379.0	381.1	369.4	344.9	300.2	271.5
15069.8	65°	11437.3	6132.2	463.1	350.3	335.4	338.6	338.6	311.9	264.0	231.0
15126.2	67.5°	11360.6	5250.7	369.4	296.0	293.8	296.0	303.4	281.1	234.2	207.6
13974.3	70°	10465.3	4176.5	296.0	245.9	255.5	250.2	271.5	256.6	210.8	184.2
10833.6	72.5°	8539.4	3008.6	225.7	203.3	195.9	204.4	244.9	231.0	175.7	145.9
5738.3	75°	4989.9	1605.5	168.2	160.8	141.6	170.3	217.2	197.0	134.1	107.5
1758.8	77.5°	1624.6	560.0	123.5	118.2	105.4	137.3	185.2	166.1	109.7	85.2
515.3	80°	435.4	169.3	84.1	77.7	68.1	102.2	146.9	132.0	78.8	55.4
221.4	82.5°	174.6	71.3	49.0	43.6	37.3	70.3	116.0	106.5	58.6	35.1
69.2	85°	56.4	23.4	18.1	13.8	17.0	43.6	69.2	72.4	41.5	18.1
10.6	87.5°	7.5	3.2	3.2	4.3	3.2	7.5	21.3	20.2	11.7	2.1
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°
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2449.7
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