

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: P848856

Luminaire Tested: **GLAN-SB5C-840-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848856  
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-SB5C-840-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33335 lumens  
Efficiency: N/A  
Efficacy: 133.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4

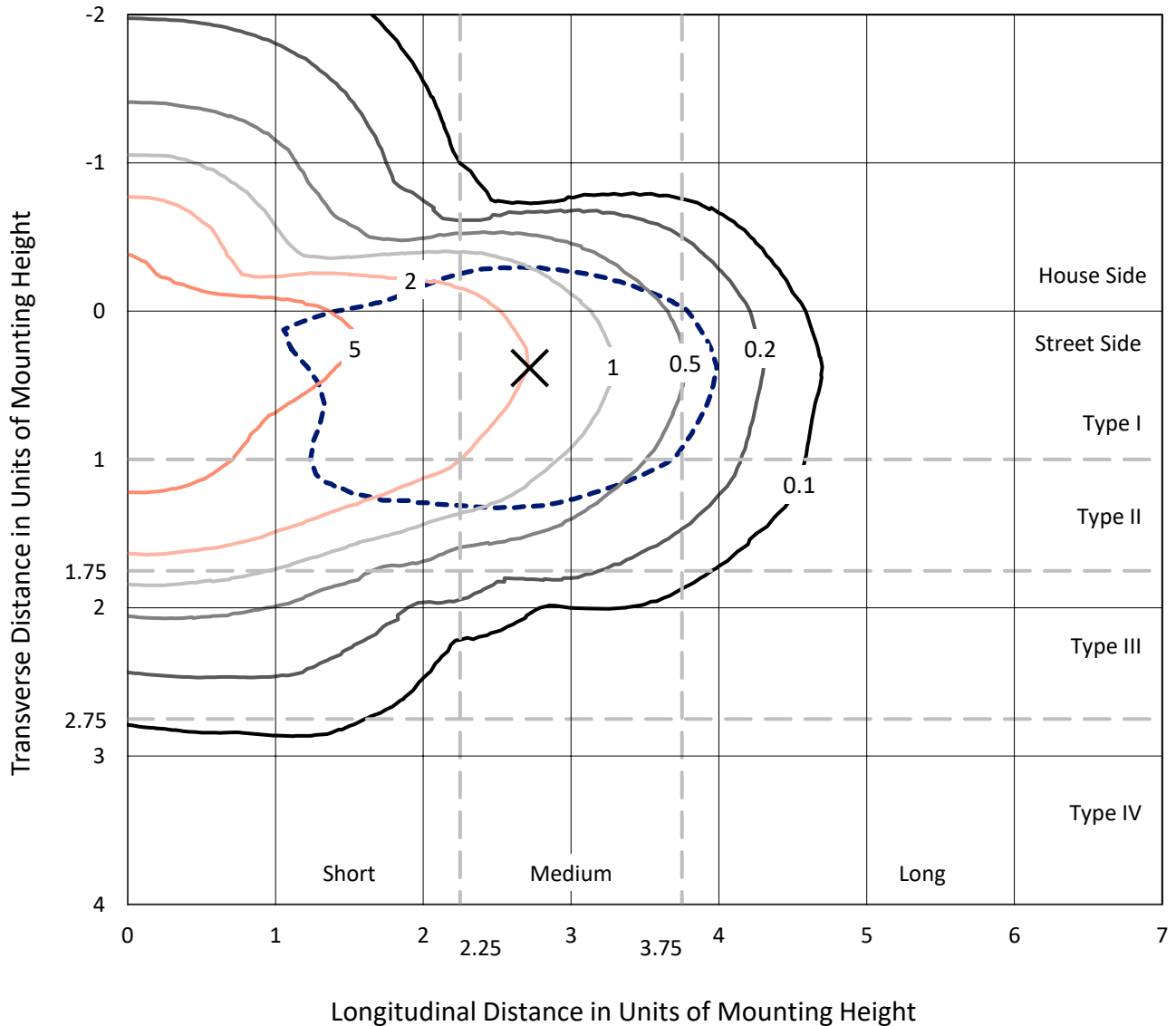
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

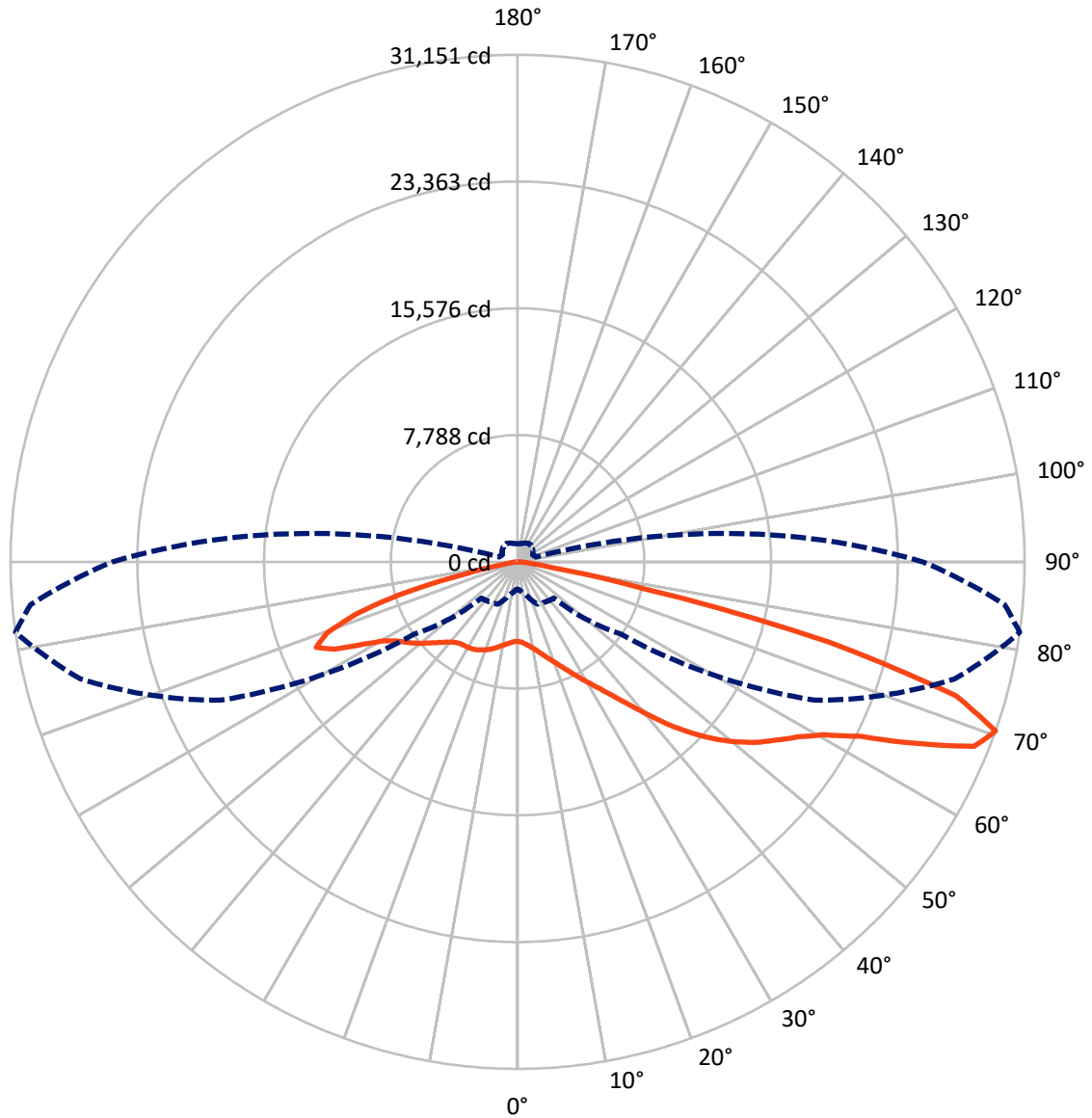
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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
<b>House Side</b>	Lumens	8217.9	0.0	8217.9
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	25117.1	0.0	25117.1
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	33335.0	0.0	33335.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	461.5	1.4
10°-20°	1325.8	4.0
20°-30°	2217.9	6.7
30°-40°	3464.9	10.4
40°-50°	5518.3	16.6
50°-60°	7679.4	23.0
60°-70°	8032.9	24.1
70°-80°	4198.5	12.6
80°-90°	436.0	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°	33335.0	100.0
0°-180°	33335.0	100.0

**Coefficient of Utilization**



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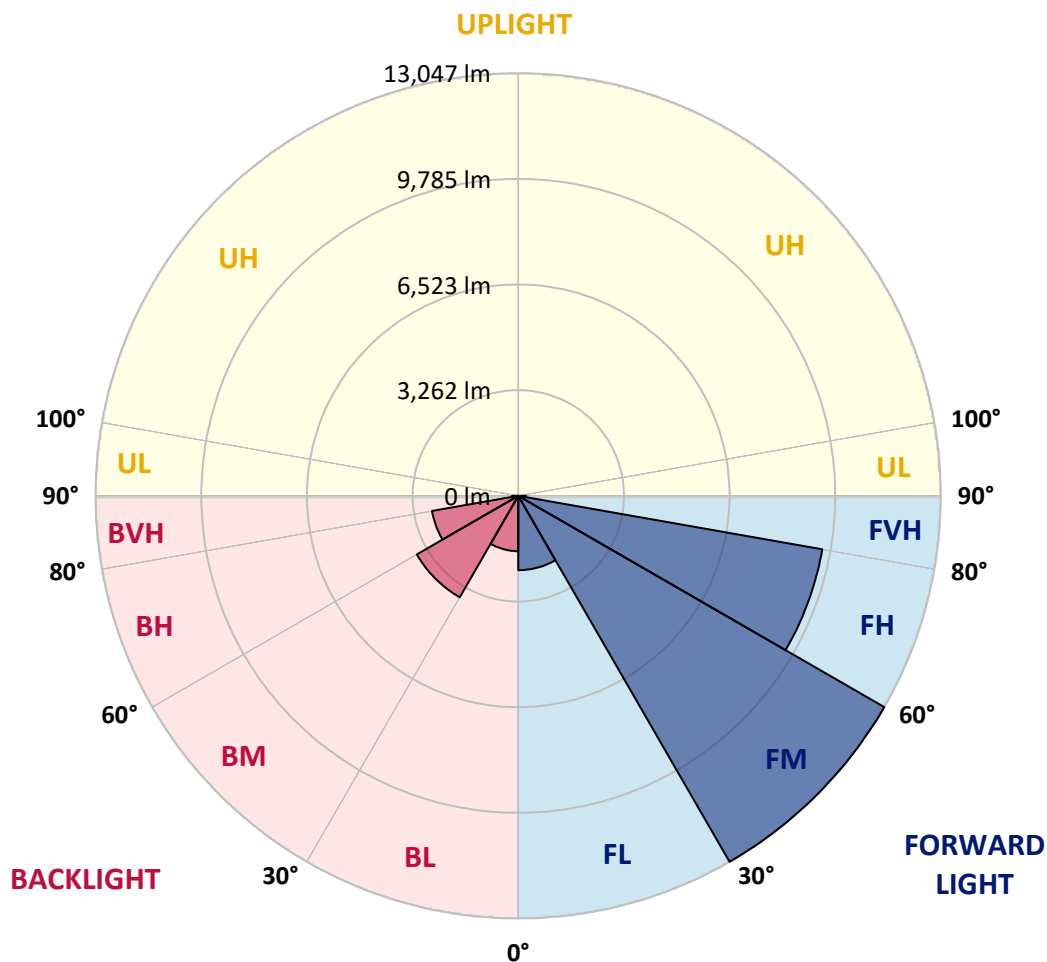
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2295.5	6.9			
FM (30°-60°)	13047.0	39.1			
FH (60°-80°)	9530.6	28.6			G4/12000
FVH (80°-90°)	244.1	0.7			G3/500
BL (0°-30°)	1709.6	5.1	B3/2500		
BM (30°-60°)	3615.6	10.8	B3/5000		
BH (60°-80°)	2700.8	8.1	B4/5000		G4/5000
BVH (80°-90°)	191.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4887.3	4887.3	4887.3	4887.3	4887.3	4887.3	4887.3	4887.3	4887.3	4887.3
2.5°	5004.1	5032.4	5023.5	5014.7	5014.7	5002.3	5000.5	4982.8	4968.7	4945.7
5°	5067.8	5097.8	5094.3	5101.4	5124.4	5129.7	5135.0	5124.4	5096.1	5067.8
7.5°	5011.1	5044.8	5055.4	5097.8	5168.6	5232.3	5280.0	5299.5	5272.9	5232.3
10°	4820.1	4857.3	4894.4	4995.2	5120.8	5271.2	5398.5	5474.6	5469.3	5430.4
12.5°	4432.7	4471.6	4551.2	4747.6	4977.5	5242.9	5479.9	5639.1	5693.9	5665.6
15°	4123.2	4156.8	4216.9	4418.6	4717.5	5120.8	5510.0	5819.5	5959.2	5943.3
17.5°	4114.3	4128.5	4165.6	4261.2	4491.1	4929.8	5478.1	5996.4	6263.5	6261.7
20°	4270.0	4275.3	4296.5	4316.0	4446.9	4784.7	5396.8	6143.2	6604.9	6604.9
22.5°	4485.8	4482.3	4503.5	4485.8	4549.5	4772.4	5345.5	6272.3	6985.2	7013.5
25°	4809.5	4791.8	4786.5	4745.8	4758.2	4887.3	5402.1	6419.2	7436.2	7494.6
27.5°	5241.1	5212.8	5193.3	5099.6	5067.8	5124.4	5575.4	6596.0	7938.6	8039.4
30°	5803.6	5752.3	5724.0	5561.3	5446.3	5455.1	5837.2	6831.3	8463.9	8626.7
32.5°	6571.3	6491.7	6415.6	6148.5	5938.0	5869.0	6175.0	7156.8	9033.5	9293.5
35°	7430.9	7367.3	7285.9	6873.7	6550.0	6390.8	6631.4	7611.4	9700.4	10112.5
37.5°	8258.8	8203.9	8242.8	7687.4	7270.0	7038.2	7229.3	8221.6	10522.9	11131.4
40°	9114.9	9072.4	9077.7	8547.1	8060.6	7800.6	7954.5	8987.5	11465.7	12343.0
42.5°	10045.3	10013.5	9907.3	9436.8	8890.2	8647.9	8789.4	9871.9	12477.5	13722.7
45°	11087.1	11067.7	10968.6	10429.1	9803.0	9530.6	9721.6	10848.3	13494.5	15021.1
47.5°	11987.5	12003.4	11991.0	11536.4	10887.3	10487.5	10715.7	11867.2	14440.9	16241.6
50°	12420.9	12504.0	12626.0	12484.5	12081.2	11674.4	11718.6	12850.7	15343.0	17386.0
52.5°	12194.4	12351.9	12684.4	12910.8	13066.5	12981.6	12863.1	13827.1	16192.0	18419.0
55°	11350.7	11571.8	12123.7	12670.3	13464.5	14081.8	14237.5	14909.6	17019.9	19328.2
57.5°	9813.6	10172.6	10667.9	11773.5	13110.7	14614.2	15840.0	16411.4	17897.2	20299.3
60°	7178.0	7659.1	8274.7	9919.7	11872.5	14329.4	17203.8	18718.0	19144.2	21557.0
62.5°	4593.7	4890.9	5456.9	7006.4	9251.1	12870.1	17621.3	21601.2	21258.0	23619.4
65°	3145.0	3336.0	3854.3	4724.6	5980.5	9580.1	16503.4	23762.7	24615.3	26888.3
67.5°	2285.4	2430.4	2872.6	3635.0	3896.8	5669.2	12806.5	23663.7	27878.8	30256.2
70°	1666.3	1768.8	2140.3	2872.6	2998.2	3153.9	7758.2	20115.3	27808.1	31151.2
72.5°	1234.7	1305.4	1554.8	2228.7	2426.9	2129.7	3840.2	14619.5	23895.4	28176.0
75°	893.3	946.3	1130.3	1705.2	1942.2	1622.0	1915.7	8543.5	16667.9	19819.9
77.5°	682.8	723.5	843.7	1248.8	1554.8	1217.0	1188.7	3930.4	7903.2	7942.1
80°	548.3	574.9	640.3	879.1	1192.2	911.0	774.8	1586.7	2497.6	2113.8
82.5°	403.3	447.5	541.3	617.3	852.6	627.9	472.3	801.3	949.9	817.2
85°	230.0	260.0	327.2	442.2	544.8	383.8	270.6	355.5	442.2	362.6
87.5°	81.4	106.1	115.0	173.3	237.0	159.2	104.4	102.6	145.0	107.9
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°
4887.3	0°	4887.3	4887.3	4887.3	4887.3	4887.3	4887.3	4887.3	4887.3	4887.3	4887.3
4940.4	2.5°	4922.7	4913.9	4878.5	4830.7	4781.2	4733.4	4717.5	4683.9	4660.9	4648.5
5055.4	5°	5021.8	4993.5	4910.3	4804.2	4692.8	4572.5	4487.6	4409.7	4353.1	4300.1
5212.8	7.5°	5163.3	5113.7	4970.5	4784.7	4586.6	4386.7	4238.2	4125.0	4048.9	3999.4
5396.8	10°	5327.8	5251.7	5032.4	4754.7	4448.7	4162.1	3987.0	3889.7	3841.9	3815.4
5607.2	12.5°	5517.0	5409.1	5096.1	4685.7	4238.2	3910.9	3790.6	3762.3	3764.1	3765.9
5872.6	15°	5750.5	5600.2	5147.3	4535.3	3964.0	3718.1	3696.9	3742.9	3790.6	3813.6
6173.3	17.5°	6014.1	5801.8	5156.2	4287.7	3695.1	3594.3	3661.5	3760.6	3833.1	3864.9
6509.4	20°	6297.1	6007.0	5092.5	3937.5	3474.0	3493.5	3613.8	3741.1	3820.7	3861.4
6893.2	22.5°	6620.8	6226.3	4940.4	3569.5	3293.6	3383.8	3525.3	3649.1	3732.3	3773.0
7344.3	25°	6990.5	6472.2	4701.6	3260.0	3137.9	3260.0	3401.5	3504.1	3571.3	3608.5
7848.4	27.5°	7400.9	6728.7	4383.2	3014.1	3001.7	3132.6	3249.4	3329.0	3364.3	3392.7
8384.3	30°	7813.0	6962.2	3997.6	2828.4	2883.2	3007.0	3090.2	3125.6	3136.2	3141.5
8982.2	32.5°	8258.8	7163.8	3592.5	2674.5	2770.0	2885.0	2934.5	2950.4	2900.9	2867.3
9707.4	35°	8798.3	7379.6	3196.3	2552.4	2658.6	2757.6	2773.6	2759.4	2701.0	2632.0
10616.6	37.5°	9465.1	7648.5	2879.7	2465.8	2554.2	2619.7	2600.2	2596.7	2602.0	2520.6
11709.8	40°	10282.3	7998.7	2648.0	2398.6	2469.3	2483.5	2428.6	2458.7	2485.2	2361.4
12909.1	42.5°	11189.7	8421.5	2501.2	2352.6	2398.6	2365.0	2280.0	2313.7	2310.1	2147.4
14113.6	45°	12114.8	8881.4	2449.9	2319.0	2333.1	2265.9	2172.1	2181.0	2106.7	1959.9
15268.7	47.5°	13034.6	9374.9	2481.7	2290.7	2251.7	2175.7	2103.2	2064.2	1954.6	1844.9
16376.0	50°	13936.8	9893.2	2598.4	2234.1	2140.3	2096.1	2043.0	1974.0	1857.3	1763.5
17423.2	52.5°	14773.4	10415.0	2729.3	2140.3	2000.6	2027.1	1993.5	1913.9	1798.9	1703.4
18413.7	55°	15565.9	10936.8	2780.6	2011.2	1869.7	1967.0	1947.5	1800.7	1662.7	1584.9
19450.3	57.5°	16429.1	11564.7	2724.0	1846.7	1763.5	1898.0	1823.7	1660.9	1581.4	1523.0
20799.9	60°	17624.8	12550.0	2602.0	1643.3	1662.7	1795.4	1668.0	1600.8	1514.1	1448.7
22823.4	62.5°	19611.2	14387.8	2405.6	1441.6	1544.2	1643.3	1593.7	1526.5	1438.1	1374.4
26283.3	65°	22547.5	16942.0	2035.9	1284.2	1411.5	1494.7	1514.1	1446.9	1354.9	1287.7
29315.1	67.5°	25023.9	18544.6	1540.7	1153.3	1275.3	1374.4	1429.2	1363.8	1266.5	1201.0
30024.4	70°	24887.7	17380.7	1176.3	1024.2	1155.1	1255.9	1326.6	1275.3	1171.0	1109.1
27272.1	72.5°	22105.3	14539.9	951.6	893.3	1033.0	1132.1	1217.0	1178.1	1071.9	1011.8
19979.1	75°	16239.8	10321.2	760.6	760.6	880.9	1002.9	1096.7	1071.9	974.6	932.2
8387.9	77.5°	6845.4	4330.1	596.1	631.5	732.3	861.4	978.2	987.0	902.1	955.2
2218.1	80°	1820.1	1194.0	454.6	497.0	574.9	711.1	850.8	847.3	755.3	705.8
824.3	82.5°	693.4	470.5	323.7	350.2	415.7	544.8	673.9	695.2	603.2	521.8
323.7	85°	267.1	201.6	199.9	210.5	242.3	360.8	509.4	527.1	454.6	385.6
90.2	87.5°	69.0	60.1	74.3	70.8	111.4	192.8	291.9	302.5	277.7	161.0
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°
4887.3
4662.7
4321.3
4010.0
3822.5
3769.4
3811.9
3872.0
3872.0
3783.6
3619.1
3403.3
3153.9
2877.9
2635.6
2525.9
2365.0
2145.6
1965.2
1844.9
1756.5
1705.2
1577.8
1517.7
1445.1
1374.4
1291.3
1202.8
1114.4
1011.8
919.8
866.7
656.2
521.8
398.0
230.0
0.0

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