

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: P852708

Luminaire Tested: **GLAN-SB5D-827-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852708  
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-SB5D-827-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 2700K, 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: 31031 lumens  
Efficiency: N/A  
Efficacy: 85.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

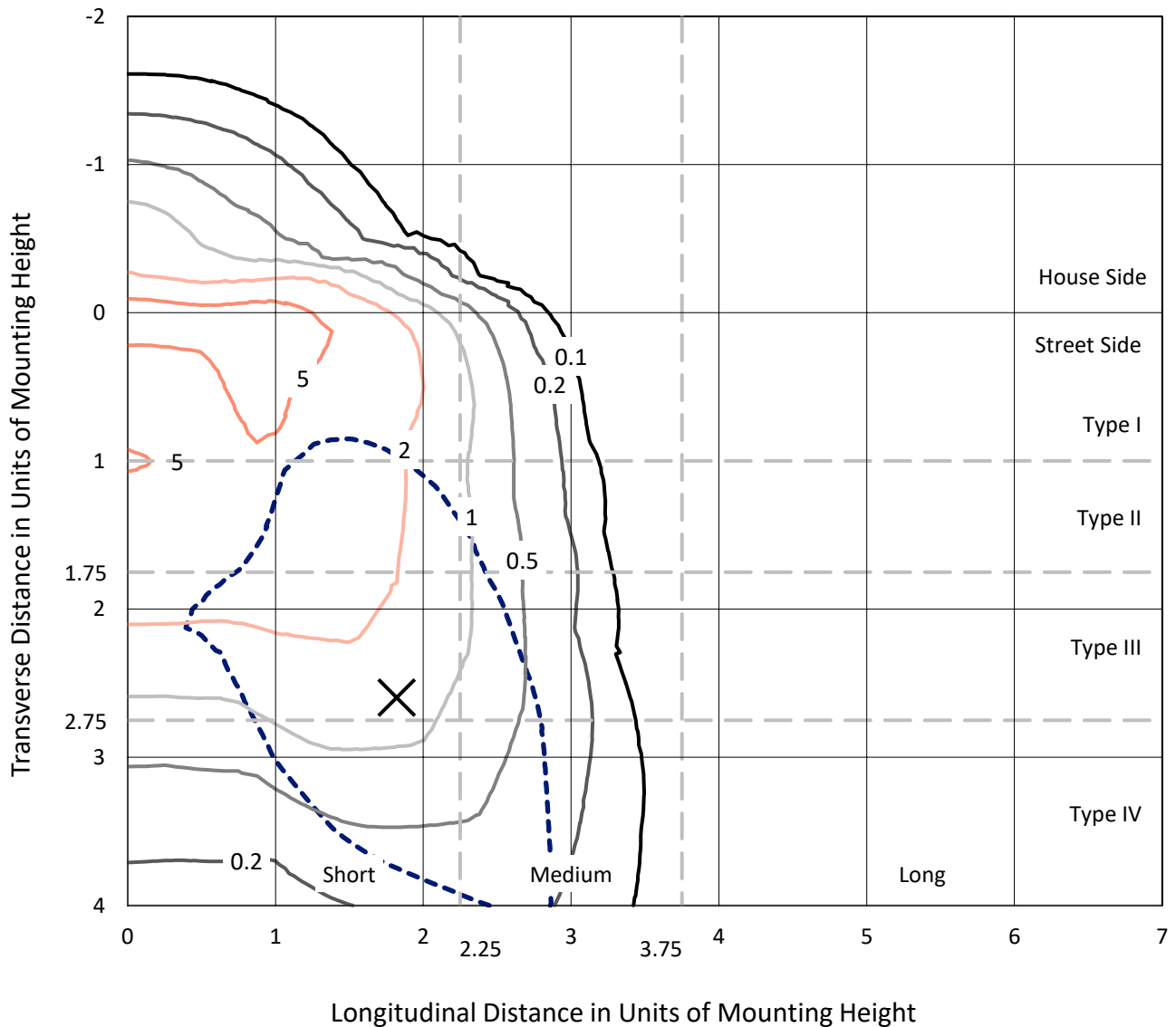
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

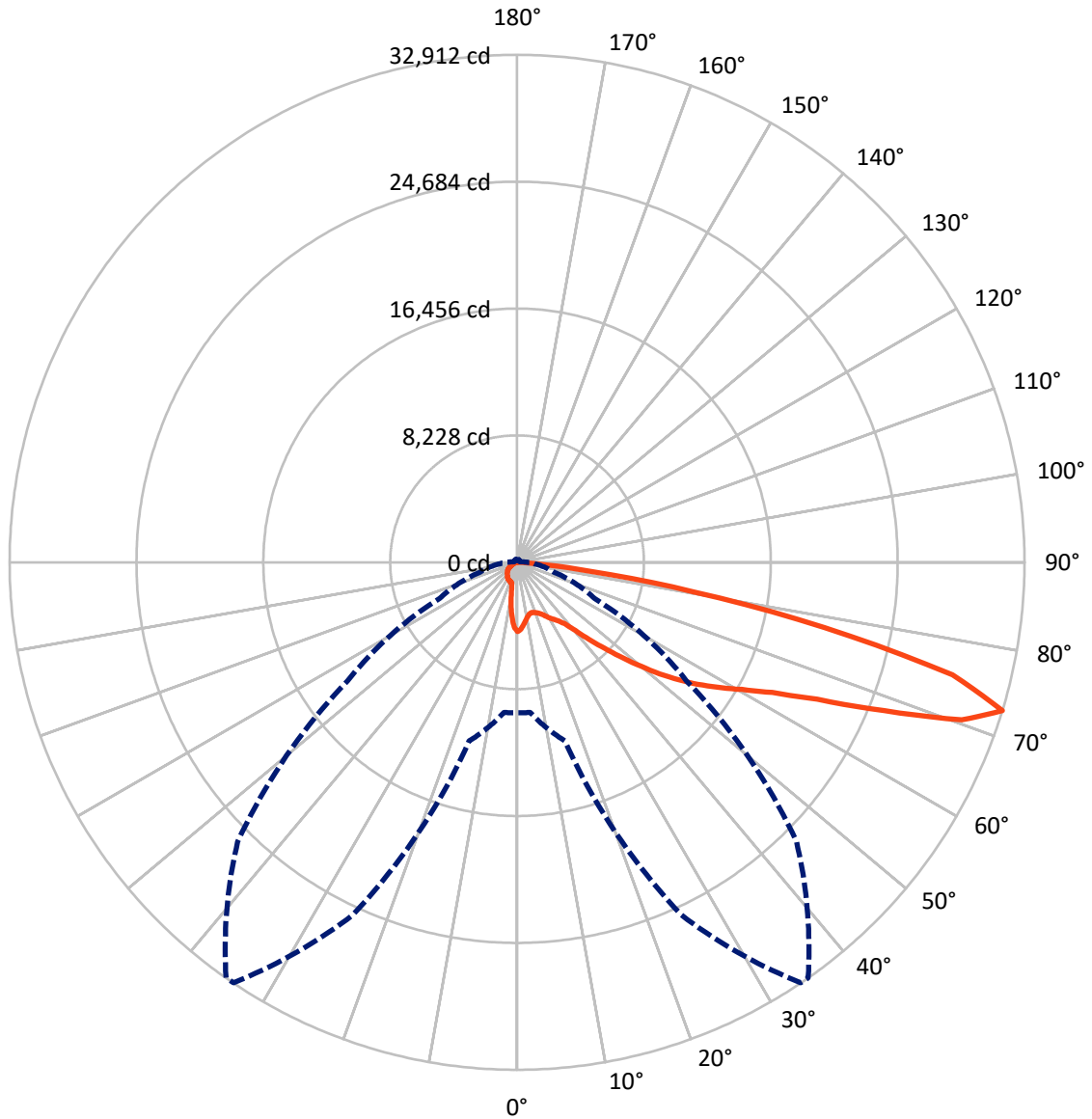
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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
<b>House Side</b>	Lumens	3492.4	0.0	3492.4
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	27538.6	0.0	27538.6
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	31031.0	0.0	31031.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	369.6	1.2
10°-20°	864.6	2.8
20°-30°	1404.5	4.5
30°-40°	2343.3	7.6
40°-50°	4433.6	14.3
50°-60°	7045.0	22.7
60°-70°	8715.2	28.1
70°-80°	5417.4	17.5
80°-90°	437.8	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°	31031.0	100.0
0°-180°	31031.0	100.0

**Coefficient of Utilization**



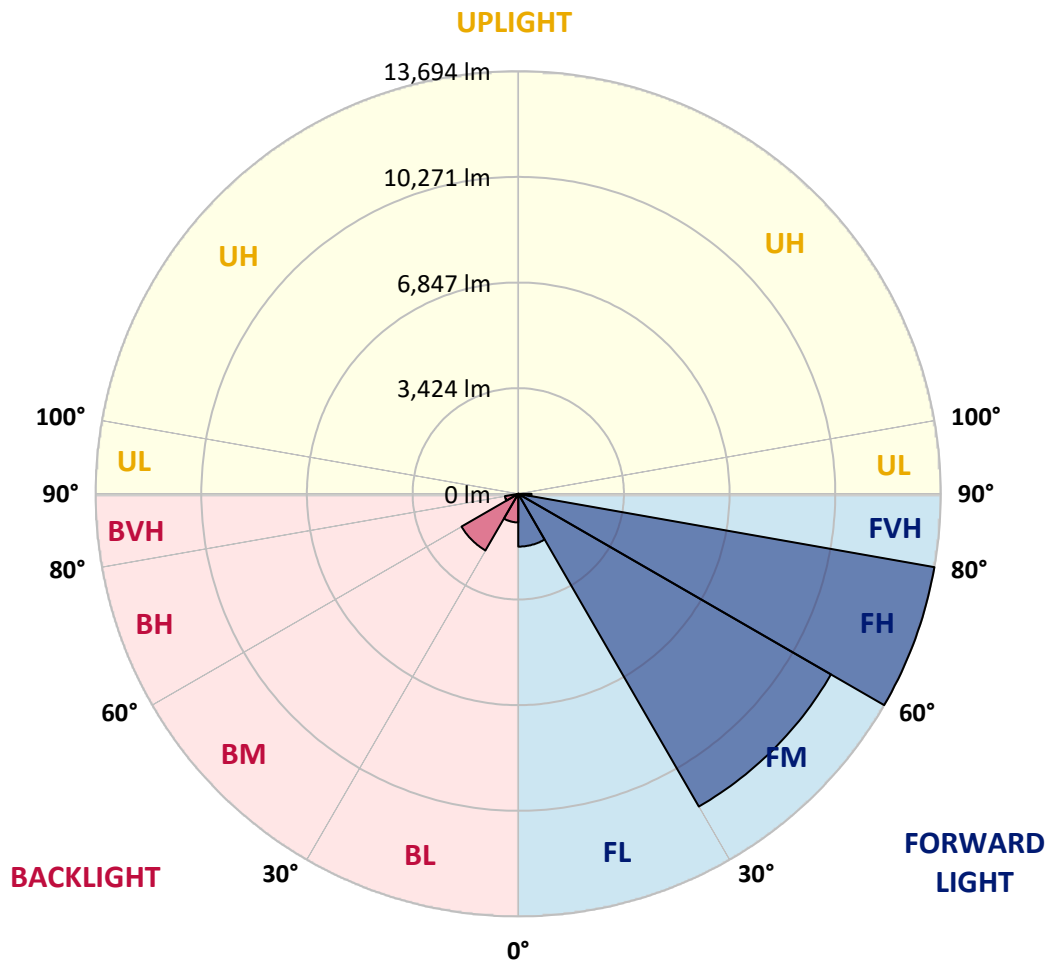
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1710.6	5.5			
FM	(30°-60°)	11701.8	37.7			
FH	(60°-80°)	13694.4	44.1			G5
FVH	(80°-90°)	431.9	1.4			G3/500
BL	(0°-30°)	928.0	3.0	B2/1000		
BM	(30°-60°)	2120.2	6.8	B2/2500		
BH	(60°-80°)	438.2	1.4	B1/500		G1/500
BVH	(80°-90°)	6.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4
2.5°	4297.3	4333.7	4340.5	4351.9	4351.9	4365.6	4388.3	4420.1	4472.4	4499.7
5°	3960.8	3988.1	4022.2	4049.5	4101.8	4108.6	4197.3	4283.7	4404.2	4495.2
7.5°	3622.0	3653.9	3699.4	3765.3	3833.5	3854.0	3988.1	4133.6	4324.6	4495.2
10°	3383.3	3385.6	3426.5	3492.4	3601.6	3626.6	3790.3	3997.2	4236.0	4467.9
12.5°	3249.2	3265.1	3283.3	3333.3	3437.9	3453.8	3628.9	3872.2	4147.3	4452.0
15°	3249.2	3260.5	3271.9	3296.9	3381.0	3394.7	3549.3	3792.6	4101.8	4458.8
17.5°	3283.3	3301.5	3292.4	3321.9	3410.6	3419.7	3556.1	3769.8	4099.5	4502.0
20°	3365.1	3378.8	3360.6	3378.8	3467.4	3485.6	3626.6	3813.0	4138.2	4577.0
22.5°	3494.7	3501.5	3458.3	3472.0	3562.9	3585.7	3749.4	3935.8	4231.4	4697.5
25°	3658.4	3672.1	3606.1	3622.0	3708.4	3735.7	3924.5	4120.0	4379.2	4863.5
27.5°	3847.1	3854.0	3797.1	3794.9	3906.3	3944.9	4135.9	4347.4	4577.0	5072.7
30°	4063.2	4083.6	4029.0	4019.9	4160.9	4192.8	4381.5	4627.0	4868.0	5386.5
32.5°	4233.7	4249.6	4217.8	4240.5	4383.7	4408.8	4679.3	5022.7	5325.1	5832.1
35°	4479.2	4488.3	4415.6	4456.5	4620.2	4683.9	5086.3	5577.5	5900.3	6391.4
37.5°	5368.3	5368.3	5059.0	4856.7	5013.6	5070.4	5643.4	6275.5	6609.7	7141.8
40°	6598.4	6577.9	6125.4	5711.6	5691.1	5802.6	6436.9	7155.4	7526.0	8042.2
42.5°	7910.3	7878.5	7262.3	6853.0	6784.8	6823.5	7353.2	8240.0	8617.4	9140.4
45°	9074.4	9065.4	8501.5	7951.2	7828.4	7951.2	8496.9	9508.7	9779.3	10329.5
47.5°	10049.9	10049.9	9638.3	9279.1	9215.4	9288.2	10045.3	10916.2	10891.2	11596.0
50°	11173.1	11164.0	10772.9	10618.3	10684.2	10786.6	11827.9	12398.6	12041.7	12839.7
52.5°	11959.8	12014.4	11880.2	11855.2	12191.7	12369.1	13637.8	13849.3	13071.7	14019.8
55°	12582.8	12646.5	12801.1	12976.2	13624.2	13856.1	15390.9	15224.9	13933.4	15043.0
57.5°	13465.0	13374.1	13612.8	13958.4	15006.6	15286.3	17089.3	16523.2	14626.9	15872.9
60°	14535.9	14549.6	14590.5	15027.1	16386.8	16746.0	18762.8	17751.0	15072.5	16382.2
62.5°	15822.9	15843.3	15927.5	16598.2	18239.8	18578.6	20545.4	18756.0	15277.2	16239.0
65°	15734.2	15820.6	16759.6	19053.8	21057.0	21391.2	22625.9	19460.8	14967.9	14929.3
67.5°	14333.6	14474.5	16045.7	21986.9	25304.3	25677.2	25140.6	19599.5	13633.3	11609.7
70°	12496.4	12546.4	14435.9	24624.5	30222.4	30599.8	27391.6	18073.9	10345.5	6475.6
72.5°	9758.8	9770.2	11987.1	25236.1	32891.7	32912.2	25624.9	13417.3	5563.8	2487.5
75°	6971.2	6903.0	8028.5	20465.8	28937.7	29169.6	19210.7	6293.7	2125.9	1175.5
77.5°	3738.0	3813.0	4542.9	12137.2	19990.6	20386.2	10481.9	1814.4	1082.3	800.4
80°	1155.1	1218.7	1862.2	5557.0	11323.2	11561.9	3885.8	807.2	754.9	570.7
82.5°	363.8	377.4	868.6	2335.1	4699.8	4808.9	1125.5	457.0	516.1	377.4
85°	104.6	106.9	386.5	870.8	1161.9	1184.6	316.0	177.4	295.6	234.2
87.5°	11.4	36.4	145.5	145.5	102.3	100.0	34.1	38.7	84.1	29.6
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°
4497.4	0°	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4
4517.9	2.5°	4506.5	4508.8	4479.2	4429.2	4374.7	4329.2	4272.3	4226.9	4195.0	4185.9
4558.8	5°	4538.4	4522.4	4438.3	4286.0	4104.1	3947.2	3772.1	3633.4	3542.5	3503.8
4602.0	7.5°	4586.1	4540.6	4356.5	4056.3	3708.4	3399.2	3085.4	2842.2	2687.5	2610.2
4643.0	10°	4627.0	4536.1	4220.0	3724.4	3192.3	2723.9	2301.0	2007.7	1844.0	1766.7
4690.7	12.5°	4665.7	4533.8	4042.7	3331.0	2610.2	2037.3	1643.9	1498.4	1452.9	1437.0
4768.0	15°	4738.4	4540.6	3819.9	2880.8	2030.4	1539.3	1396.1	1393.8	1402.9	1398.3
4886.2	17.5°	4838.5	4547.5	3567.5	2403.3	1566.6	1357.4	1350.6	1371.1	1384.7	1377.9
5034.0	20°	4968.1	4574.7	3299.2	1930.4	1346.0	1311.9	1327.9	1346.0	1357.4	1346.0
5231.8	22.5°	5150.0	4622.5	3005.9	1550.7	1275.6	1284.7	1298.3	1318.8	1330.1	1314.2
5484.2	25°	5372.8	4697.5	2717.1	1348.3	1241.5	1252.8	1273.3	1296.0	1309.7	1293.8
5802.6	27.5°	5661.6	4818.0	2451.1	1302.8	1207.3	1214.2	1243.7	1277.8	1296.0	1275.6
6255.0	30°	6079.9	5015.8	2221.4	1323.3	1186.9	1171.0	1211.9	1259.6	1280.1	1261.9
6871.2	32.5°	6634.7	5295.5	2080.5	1355.1	1177.8	1120.9	1159.6	1221.0	1255.1	1243.7
7676.1	35°	7362.3	5720.7	2025.9	1391.5	1171.0	1068.7	1095.9	1161.9	1221.0	1232.4
8690.2	37.5°	8244.5	6311.9	2041.8	1407.4	1150.5	1025.5	1039.1	1095.9	1173.2	1209.6
9831.6	40°	9247.2	7000.8	2132.8	1391.5	1127.8	989.1	991.3	1034.5	1102.8	1157.3
11059.4	42.5°	10281.8	7805.7	2301.0	1332.4	1107.3	957.2	950.4	980.0	1025.5	1064.1
12284.9	45°	11266.3	8633.3	2467.0	1250.5	1082.3	925.4	909.5	920.9	930.0	945.9
13478.7	47.5°	12125.8	9215.4	2419.2	1175.5	1048.2	889.0	861.7	857.2	829.9	827.6
14545.0	50°	12719.2	9342.7	2148.7	1100.5	998.2	848.1	804.9	777.6	729.9	707.1
15343.1	52.5°	12907.9	8840.3	1755.3	1025.5	916.3	793.5	732.1	688.9	629.8	609.4
15802.4	55°	12657.8	7855.7	1402.9	934.5	802.6	720.8	652.6	595.7	548.0	523.0
15852.4	57.5°	12046.2	6602.9	1109.6	827.6	682.1	638.9	570.7	513.9	472.9	447.9
15297.6	60°	11032.1	5243.2	877.7	700.3	582.1	550.2	479.8	443.4	407.0	377.4
13865.2	62.5°	9492.8	3742.6	688.9	554.8	486.6	450.2	409.3	382.0	338.8	297.9
11289.1	65°	7407.8	2289.6	532.1	407.0	391.1	372.9	347.9	322.9	270.6	229.6
7364.6	67.5°	4672.5	1084.6	379.7	307.0	309.2	300.1	288.8	268.3	229.6	193.3
3299.2	70°	2057.7	525.2	250.1	234.2	229.6	229.6	238.7	231.9	195.5	161.4
1146.0	72.5°	700.3	281.9	186.4	177.4	166.0	163.7	200.1	193.3	156.9	125.1
570.7	75°	366.1	188.7	136.4	127.3	100.0	120.5	159.2	150.1	111.4	81.9
377.4	77.5°	238.7	134.1	93.2	81.9	56.8	79.6	118.2	104.6	65.9	40.9
247.8	80°	150.1	88.7	54.6	38.7	27.3	43.2	63.7	45.5	25.0	9.1
145.5	82.5°	79.6	45.5	20.5	13.6	11.4	13.6	15.9	11.4	4.5	0.0
75.0	85°	31.8	15.9	6.8	4.5	2.3	0.0	4.5	2.3	0.0	0.0
13.6	87.5°	11.4	2.3	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

(END O



180°
4497.4
4201.8
3517.5
2621.6
1769.0
1432.4
1396.1
1375.6
1343.8
1311.9
1291.5
1275.6
1259.6
1243.7
1232.4
1218.7
1175.5
1080.0
955.0
825.4
709.4
607.1
523.0
443.4
370.6
291.0
222.8
188.7
154.6
118.2
75.0
36.4
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