

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: P846837

Luminaire Tested: **GLAN-SB2C-927-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846837  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-927-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7564 lumens  
Efficiency: N/A  
Efficacy: 75.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

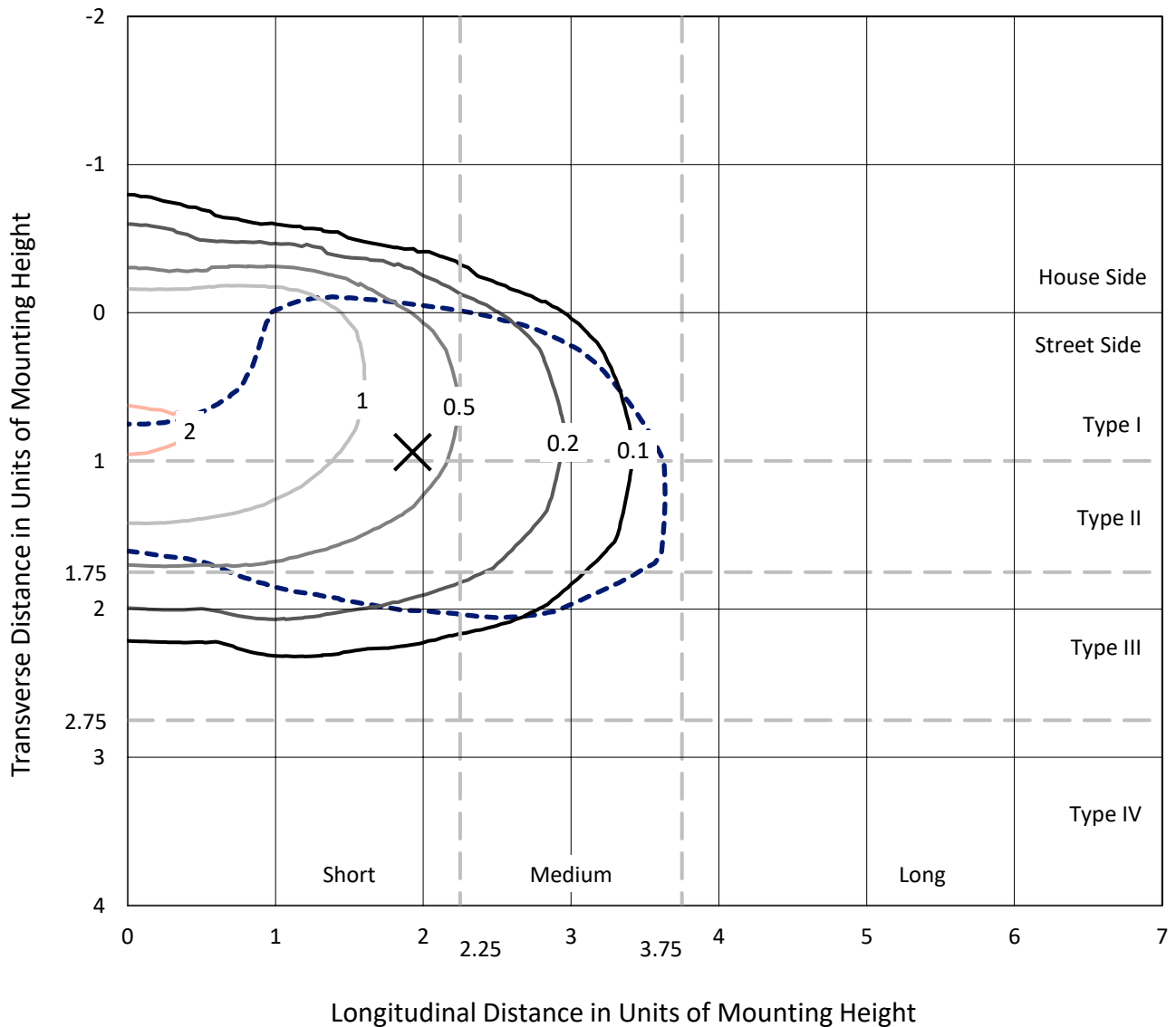
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

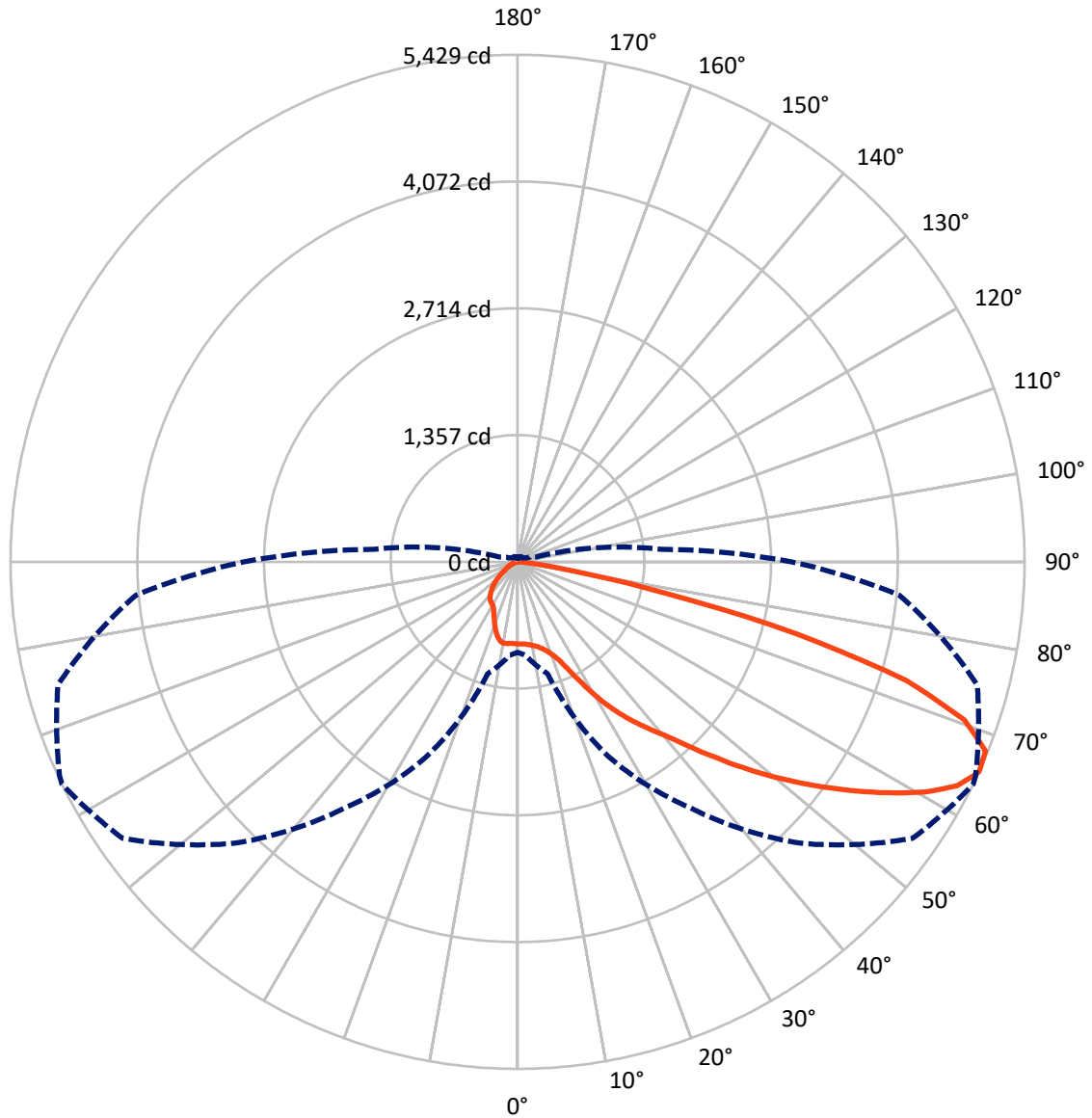
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1011.5	0.0	1011.5
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	6552.5	0.0	6552.5
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	7564.0	0.0	7564.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.2	1.1
10°-20°	220.2	2.9
20°-30°	417.2	5.5
30°-40°	844.1	11.2
40°-50°	1438.0	19.0
50°-60°	1955.6	25.9
60°-70°	1836.4	24.3
70°-80°	735.7	9.7
80°-90°	35.6	0.5
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°	7564.0	100.0
0°-180°	7564.0	100.0

**Coefficient of Utilization**



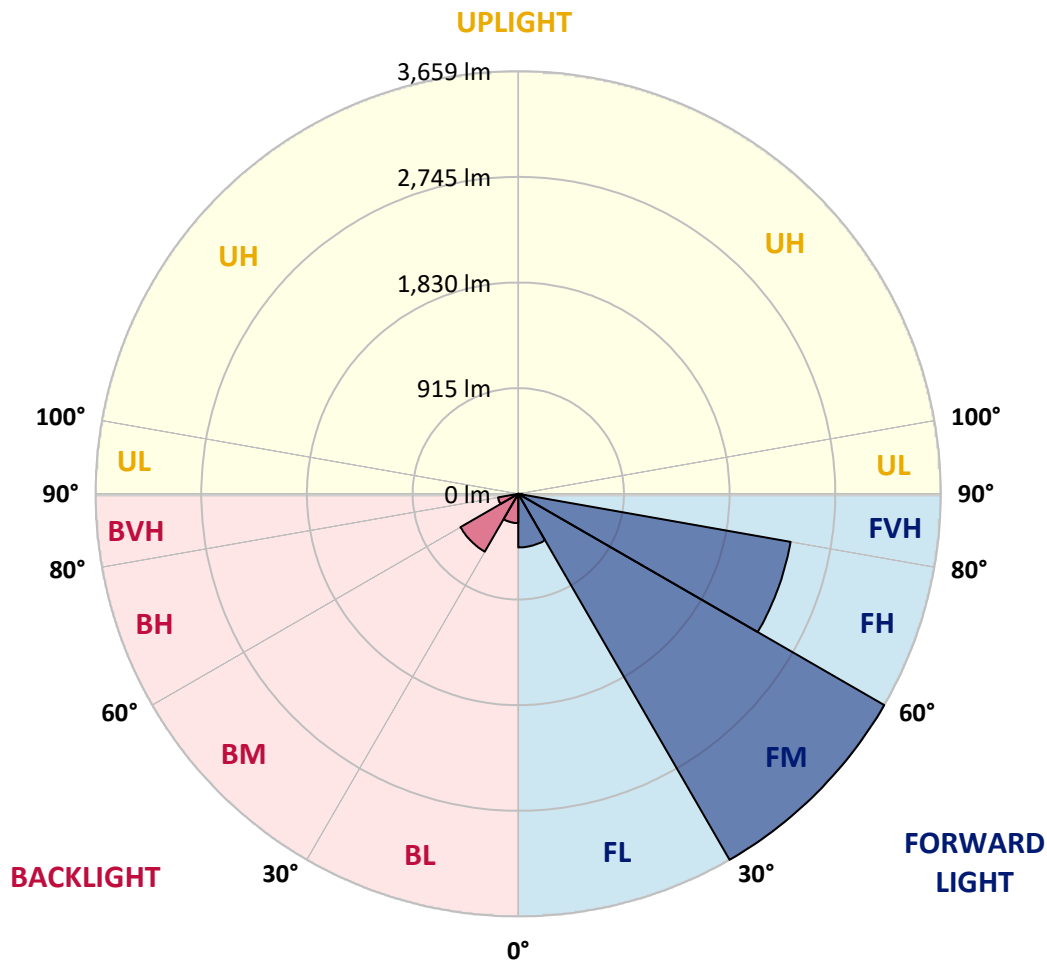
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	464.5	6.1			
FM (30°-60°)	3659.5	48.4			
FH (60°-80°)	2394.6	31.7			G2/5000
FVH (80°-90°)	33.9	0.4			G1/100
BL (0°-30°)	254.0	3.4	B1/500		
BM (30°-60°)	578.3	7.6	B1/1000		
BH (60°-80°)	177.5	2.3	B1/500		G1/500
BVH (80°-90°)	1.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8
2.5°	876.7	882.8	881.3	879.8	879.3	880.3	880.8	880.3	880.3	880.3
5°	860.0	865.1	865.1	868.6	873.7	879.8	884.3	885.3	886.4	887.9
7.5°	828.1	832.1	835.1	846.8	859.5	875.7	889.4	896.5	897.5	903.1
10°	806.2	811.3	816.4	828.6	846.8	871.2	894.5	911.7	914.3	927.4
12.5°	805.2	810.3	816.9	830.1	851.4	877.2	905.6	930.5	935.0	954.3
15°	815.9	822.0	828.1	844.3	867.1	898.5	929.0	959.9	964.5	991.8
17.5°	837.7	845.8	850.4	866.6	890.9	925.9	966.0	1001.5	1005.5	1037.5
20°	880.8	890.4	891.9	905.1	929.0	966.5	1014.1	1058.3	1063.3	1099.8
22.5°	970.0	983.7	971.6	978.1	999.4	1037.0	1088.7	1144.5	1151.6	1193.1
25°	1127.2	1146.5	1115.1	1103.9	1113.0	1152.1	1217.0	1287.5	1295.6	1329.0
27.5°	1436.0	1411.2	1363.5	1316.9	1289.5	1311.8	1384.8	1472.0	1482.2	1514.6
30°	1775.3	1753.5	1689.1	1585.6	1520.7	1517.2	1584.6	1682.0	1693.6	1724.6
32.5°	2115.0	2094.2	2024.2	1897.0	1784.4	1728.6	1775.3	1883.3	1889.4	1909.1
35°	2449.2	2427.9	2357.9	2227.6	2089.1	1962.4	1953.2	2074.9	2077.0	2097.8
37.5°	2785.4	2767.6	2693.1	2565.3	2428.9	2253.9	2169.3	2256.5	2259.0	2279.3
40°	3025.2	3032.8	2981.6	2882.7	2765.6	2574.4	2411.6	2449.7	2434.5	2468.4
42.5°	3231.1	3246.3	3201.7	3152.0	3084.0	2915.7	2711.8	2705.2	2680.9	2699.1
45°	3409.1	3421.7	3381.7	3370.0	3368.5	3250.3	3039.9	3000.4	2966.4	2962.8
47.5°	3474.5	3498.8	3516.0	3555.1	3631.2	3581.5	3379.1	3317.8	3279.7	3251.9
50°	3499.3	3525.2	3584.0	3697.6	3877.6	3898.9	3716.8	3647.9	3601.2	3550.5
52.5°	3465.8	3512.0	3591.1	3782.3	4043.4	4153.4	4040.9	3980.5	3927.3	3844.6
55°	3268.6	3314.7	3476.5	3781.2	4126.1	4331.9	4347.1	4320.3	4260.4	4130.1
57.5°	2852.8	2921.2	3177.3	3652.4	4124.5	4485.6	4647.3	4666.6	4599.7	4413.1
60°	2276.8	2369.6	2681.9	3367.0	3997.3	4568.7	4910.5	5006.8	4935.8	4691.9
62.5°	1588.7	1696.2	1991.8	2919.7	3706.2	4508.9	5102.7	5280.7	5226.9	4941.4
65°	969.0	1003.5	1241.8	2297.5	3211.3	4258.4	5162.0	5428.7	5411.0	5094.1
67.5°	645.5	674.4	742.9	1575.5	2492.8	3757.9	5020.0	5402.9	5407.9	5069.2
70°	388.9	413.8	458.4	916.3	1615.5	2974.5	4580.4	5073.3	5102.7	4737.1
72.5°	160.2	177.0	217.5	415.3	836.7	1887.8	3647.4	4355.8	4424.2	3983.1
75°	90.8	99.4	127.8	208.4	363.1	879.8	2209.3	3092.1	3193.0	2745.3
77.5°	60.3	64.4	82.7	134.9	204.4	300.2	944.2	1611.0	1803.7	1499.4
80°	40.6	44.1	56.8	90.3	132.9	128.8	300.7	596.8	734.2	515.2
82.5°	27.4	27.9	40.6	59.3	84.2	62.4	88.7	185.6	233.3	149.1
85°	15.7	15.2	29.9	34.5	37.5	25.9	26.9	55.8	73.0	62.9
87.5°	2.0	3.0	11.7	9.1	5.1	5.6	5.6	9.6	14.2	15.2
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°
879.8	0°	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8
880.8	2.5°	880.8	880.3	878.8	877.2	873.7	871.7	872.7	871.7	871.2	871.7
887.4	5°	887.4	885.9	881.8	876.7	869.6	861.0	855.4	847.3	839.7	835.1
905.1	7.5°	905.1	903.6	898.0	883.8	861.0	825.0	792.0	763.1	741.3	728.7
933.5	10°	933.5	931.0	922.4	890.9	831.1	752.5	687.1	632.8	597.3	580.6
967.0	12.5°	967.0	963.9	948.7	884.3	774.3	651.6	561.3	501.0	468.0	453.3
1005.5	15°	1006.5	1002.5	972.6	852.9	691.6	540.0	457.4	412.3	391.0	377.8
1054.7	17.5°	1055.7	1048.6	990.3	805.7	601.9	454.8	393.5	359.5	340.8	328.1
1119.1	20°	1119.6	1108.0	1004.5	749.5	519.2	401.1	350.4	322.0	307.8	296.6
1210.4	22.5°	1208.9	1192.1	1021.8	688.6	460.9	364.1	318.4	297.7	286.0	273.3
1337.7	25°	1319.4	1299.6	1043.0	632.3	420.9	332.1	295.1	277.9	264.2	249.5
1504.5	27.5°	1474.1	1438.6	1068.4	586.2	386.4	304.8	273.8	254.6	238.8	226.7
1693.6	30°	1646.5	1588.2	1090.7	558.3	355.0	279.4	245.9	226.7	212.0	203.3
1863.5	32.5°	1809.7	1730.6	1105.4	546.1	326.6	250.5	215.5	194.7	183.6	181.0
2029.8	35°	1963.9	1859.4	1103.9	534.5	301.2	221.6	185.6	164.3	155.7	157.2
2208.8	37.5°	2141.4	1996.9	1093.2	516.2	280.4	195.2	159.7	141.0	133.4	133.9
2426.3	40°	2347.7	2155.6	1086.7	481.7	257.6	170.9	138.4	123.2	117.6	115.6
2655.5	42.5°	2567.8	2309.2	1087.7	442.7	229.2	149.1	123.7	111.0	106.0	104.5
2910.6	45°	2788.9	2455.8	1089.2	402.1	199.3	132.3	113.1	102.4	99.4	97.4
3169.2	47.5°	2996.8	2580.5	1060.8	358.5	169.9	119.7	104.5	97.4	94.8	92.3
3428.8	50°	3190.5	2663.7	992.3	307.8	146.5	109.5	97.9	92.8	90.3	87.7
3664.1	52.5°	3341.1	2676.8	879.3	255.6	130.3	101.9	93.8	89.2	86.2	83.7
3854.3	55°	3408.0	2594.2	718.5	206.9	117.6	95.3	89.8	85.2	81.6	79.1
4003.8	57.5°	3390.8	2420.3	560.3	166.3	105.5	88.7	84.7	81.6	77.6	73.5
4125.0	60°	3306.1	2187.5	422.4	138.4	94.3	81.6	79.1	76.6	71.0	64.9
4171.7	62.5°	3159.6	1894.9	301.2	114.6	82.1	73.5	72.5	70.5	62.4	51.2
4102.7	65°	2935.4	1539.5	202.8	95.3	70.5	64.4	64.9	61.4	50.7	38.0
3850.2	67.5°	2607.9	1125.7	129.8	78.1	58.8	53.7	54.3	52.2	43.1	32.5
3371.5	70°	2190.6	745.4	84.7	59.3	47.2	41.6	44.6	45.1	36.5	26.4
2587.6	72.5°	1605.9	440.1	59.3	44.1	34.5	28.9	36.5	37.5	29.4	19.8
1556.7	75°	915.3	208.9	44.6	31.9	21.3	20.3	28.4	28.4	20.3	13.2
673.9	77.5°	384.4	87.2	31.4	20.8	12.2	11.7	19.3	17.7	10.1	6.1
164.3	80°	111.0	39.0	16.7	10.1	5.1	4.6	7.6	5.6	2.5	1.0
62.4	82.5°	43.6	17.2	6.6	4.1	2.0	2.0	1.0	0.0	0.0	0.0
35.5	85°	25.9	7.1	3.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0
7.6	87.5°	6.6	1.5	1.0	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°
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879.8
873.7
836.2
729.2
579.1
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378.3
327.1
294.6
271.3
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224.1
201.8
182.5
157.2
135.9
115.1
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