

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: P849527

Luminaire Tested: **GLAN-SB6C-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849527
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-SB6C-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 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: 29490 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

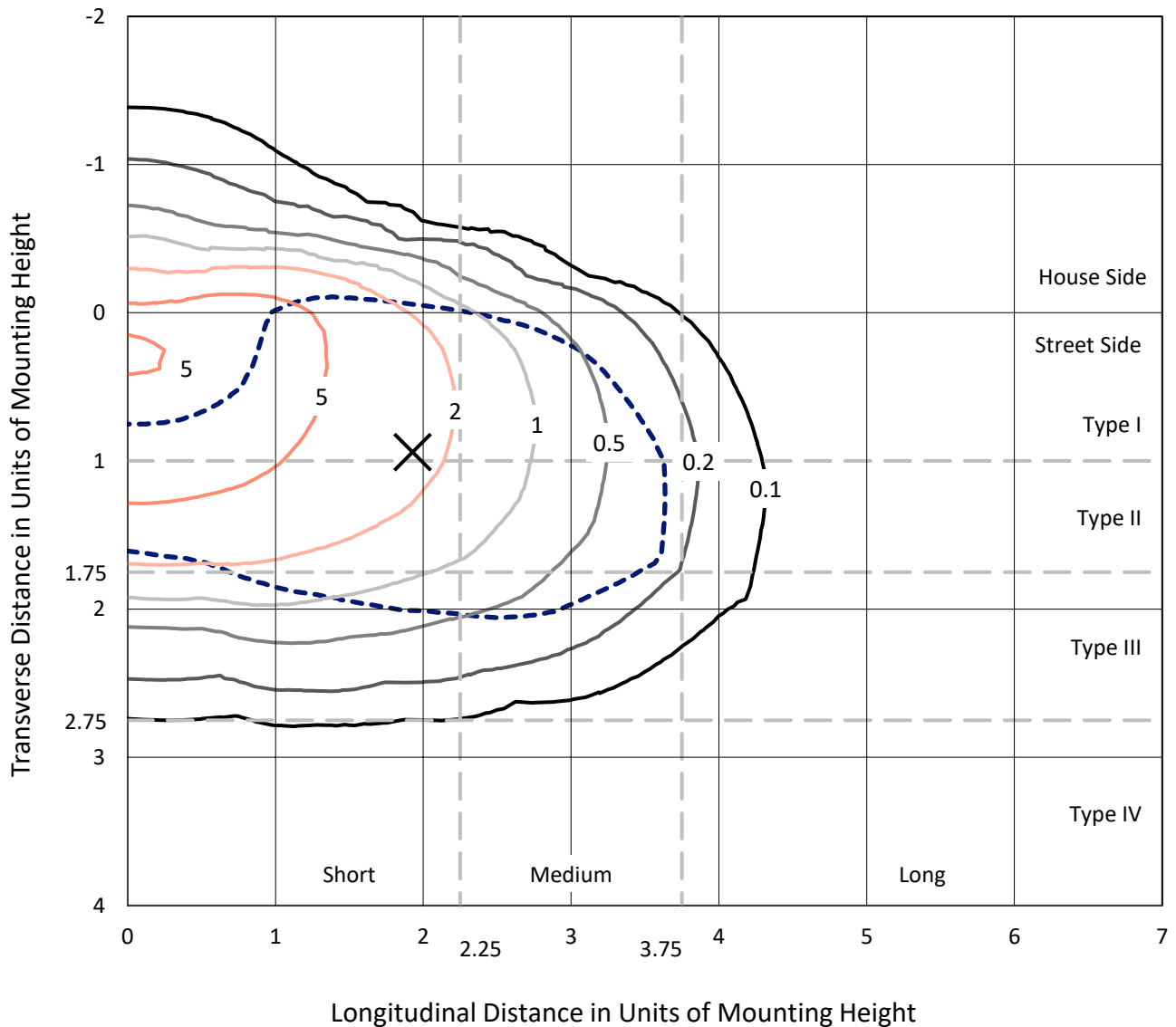
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

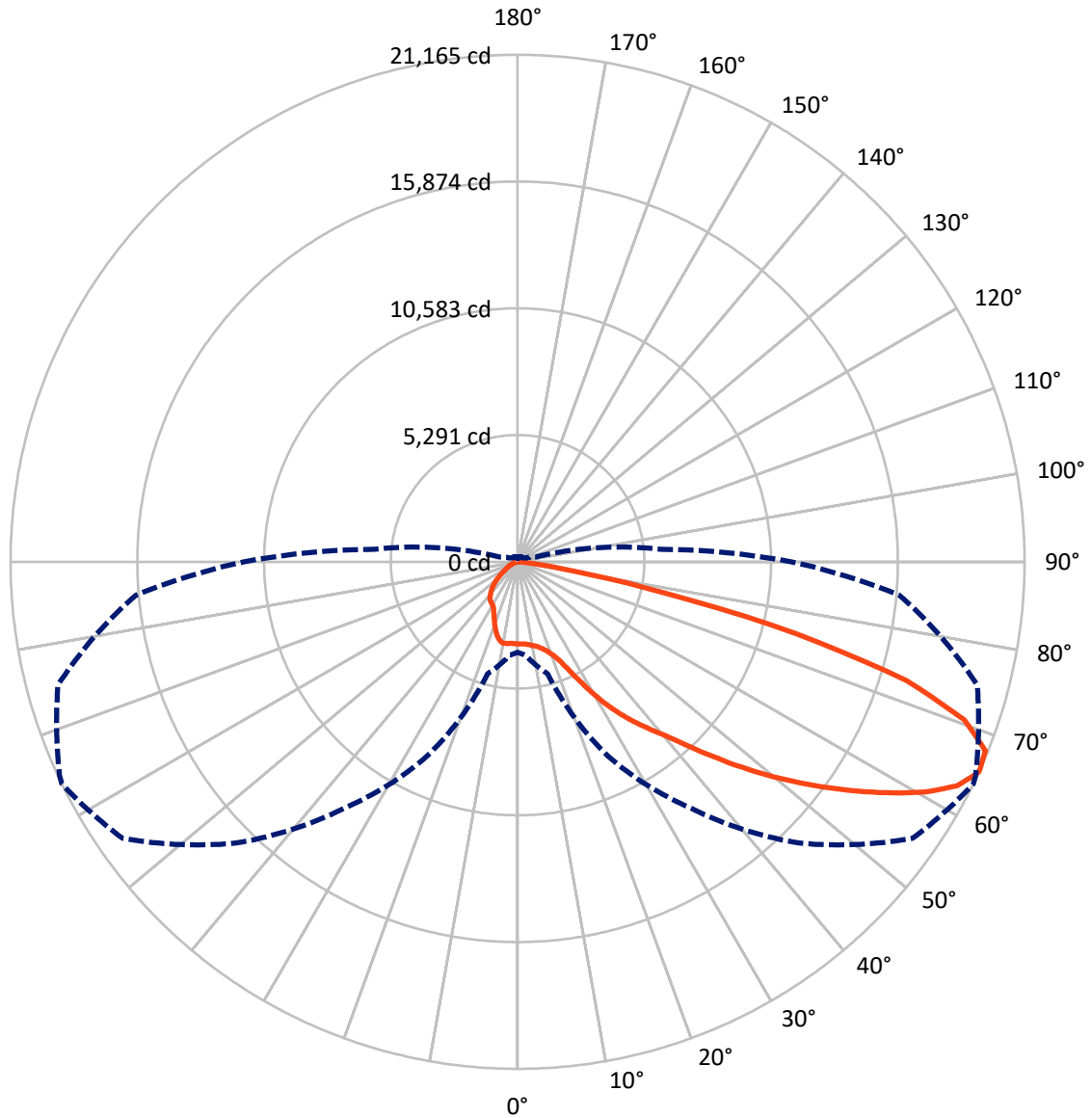
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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
House Side	Lumens	3943.7	0.0	3943.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	25546.3	0.0	25546.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	29490.0	0.0	29490.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.5	1.1
10°-20°	858.3	2.9
20°-30°	1626.4	5.5
30°-40°	3291.1	11.2
40°-50°	5606.4	19.0
50°-60°	7624.3	25.9
60°-70°	7159.6	24.3
70°-80°	2868.4	9.7
80°-90°	139.0	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°	29490.0	100.0
0°-180°	29490.0	100.0

Coefficient of Utilization



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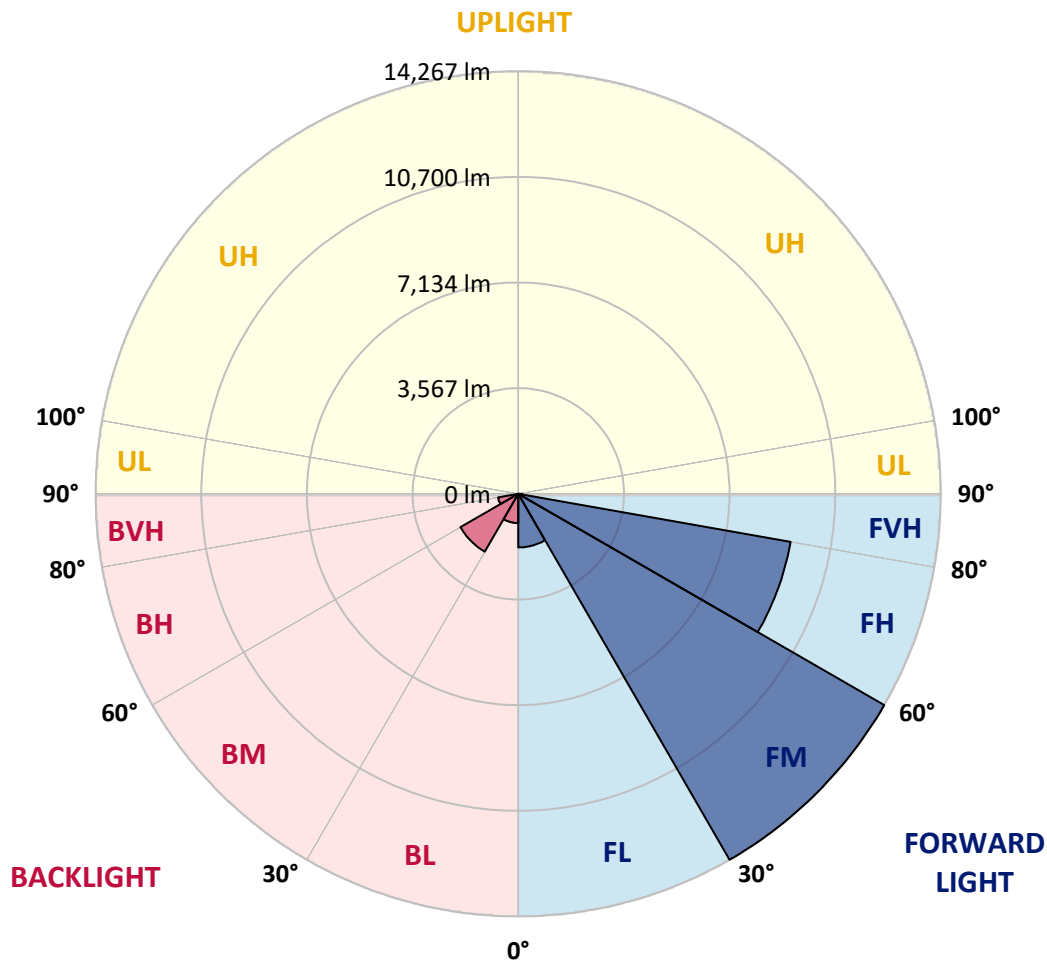
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1811.0	6.1			
FM (30°-60°)	14267.2	48.4			
FH (60°-80°)	9335.9	31.7			G4/12000
FVH (80°-90°)	132.2	0.4			G2/225
BL (0°-30°)	990.1	3.4	B2/1000		
BM (30°-60°)	2254.6	7.6	B2/2500		
BH (60°-80°)	692.2	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.8	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3430.0	3430.0	3430.0	3430.0	3430.0	3430.0	3430.0	3430.0	3430.0	3430.0
2.5°	3418.1	3441.9	3435.9	3430.0	3428.0	3432.0	3433.9	3432.0	3432.0	3432.0
5°	3352.9	3372.7	3372.7	3386.5	3406.3	3430.0	3447.8	3451.7	3455.7	3461.6
7.5°	3228.3	3244.2	3256.0	3301.5	3350.9	3414.2	3467.6	3495.2	3499.2	3520.9
10°	3143.3	3163.1	3182.9	3230.3	3301.5	3396.4	3487.3	3554.5	3564.4	3615.8
12.5°	3139.4	3159.2	3184.9	3236.3	3319.3	3420.1	3530.8	3627.7	3645.5	3720.6
15°	3180.9	3204.6	3228.3	3291.6	3380.6	3503.1	3621.8	3742.3	3760.1	3866.9
17.5°	3265.9	3297.5	3315.3	3378.6	3473.5	3609.9	3766.1	3904.5	3920.3	4044.8
20°	3433.9	3471.5	3477.4	3528.8	3621.8	3768.1	3953.9	4125.9	4145.6	4288.0
22.5°	3781.9	3835.3	3787.8	3813.5	3896.6	4042.8	4244.5	4462.0	4489.6	4651.7
25°	4394.7	4469.9	4347.3	4303.8	4339.4	4491.6	4744.7	5019.5	5051.1	5181.6
27.5°	5598.7	5501.8	5316.0	5134.1	5027.4	5114.3	5399.0	5739.1	5778.6	5905.1
30°	6921.3	6836.3	6585.2	6181.9	5928.8	5915.0	6177.9	6557.5	6603.0	6723.6
32.5°	8245.8	8164.8	7891.9	7395.7	6956.9	6739.4	6921.3	7342.4	7366.1	7443.2
35°	9548.6	9465.6	9192.8	8684.7	8145.0	7650.8	7615.2	8089.6	8097.6	8178.6
37.5°	10859.3	10790.1	10499.5	10001.3	9469.5	8787.5	8457.4	8797.4	8807.3	8886.4
40°	11794.4	11824.1	11624.4	11238.9	10782.2	10036.9	9402.3	9550.6	9491.3	9623.8
42.5°	12597.1	12656.4	12482.4	12288.7	12023.8	11367.4	10572.7	10547.0	10452.1	10523.3
45°	13291.0	13340.4	13184.2	13138.8	13132.8	12672.2	11851.8	11697.6	11565.1	11551.3
47.5°	13546.0	13640.9	13708.1	13860.3	14156.9	13963.1	13174.3	12935.1	12786.9	12678.1
50°	13642.9	13743.7	13973.0	14415.9	15117.7	15200.7	14491.0	14222.1	14040.2	13842.5
52.5°	13512.4	13692.3	14000.7	14746.0	15764.1	16193.1	15754.2	15519.0	15311.4	14989.2
55°	12743.4	12923.3	13553.9	14742.1	16086.4	16889.0	16948.3	16843.5	16610.3	16102.2
57.5°	11122.3	11389.2	12387.5	14239.9	16080.4	17488.0	18118.7	18193.8	17932.8	17205.3
60°	8876.5	9238.2	10456.0	13126.9	15584.2	17812.2	19144.7	19520.3	19243.5	18292.6
62.5°	6193.8	6612.9	7765.4	11383.2	14449.5	17579.0	19894.0	20587.9	20378.3	19265.3
65°	3777.9	3912.4	4841.5	8957.5	12520.0	16602.4	20125.3	21165.1	21095.9	19860.4
67.5°	2516.6	2629.3	2896.2	6142.4	9718.6	14651.1	19571.7	21064.3	21084.1	19763.5
70°	1516.3	1613.2	1787.2	3572.3	6298.5	11596.7	17857.7	19779.3	19894.0	18468.6
72.5°	624.7	690.0	848.1	1619.1	3262.0	7360.2	14220.1	16981.9	17248.8	15528.9
75°	353.9	387.5	498.2	812.5	1415.5	3430.0	8613.5	12055.4	12448.8	10703.2
77.5°	235.3	251.1	322.2	525.9	796.7	1170.3	3681.1	6280.7	7032.0	5845.8
80°	158.2	172.0	221.4	351.9	518.0	502.1	1172.3	2326.9	2862.6	2008.6
82.5°	106.8	108.7	158.2	231.3	328.2	243.2	346.0	723.6	909.4	581.2
85°	61.3	59.3	116.6	134.4	146.3	100.8	104.8	217.5	284.7	245.1
87.5°	7.9	11.9	45.5	35.6	19.8	21.7	21.7	37.6	55.4	59.3
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°
3430.0	0°	3430.0	3430.0	3430.0	3430.0	3430.0	3430.0	3430.0	3430.0	3430.0	3430.0
3433.9	2.5°	3433.9	3432.0	3426.0	3420.1	3406.3	3398.4	3402.3	3398.4	3396.4	3398.4
3459.6	5°	3459.6	3453.7	3437.9	3418.1	3390.5	3356.8	3335.1	3303.5	3273.8	3256.0
3528.8	7.5°	3528.8	3522.9	3501.2	3445.8	3356.8	3216.5	3088.0	2975.3	2890.3	2840.9
3639.5	10°	3639.5	3629.7	3596.1	3473.5	3240.2	2933.8	2678.8	2467.2	2328.8	2263.6
3770.0	12.5°	3770.0	3758.2	3698.9	3447.8	3018.8	2540.4	2188.5	1953.2	1824.7	1767.4
3920.3	15°	3924.2	3908.4	3791.8	3325.2	2696.5	2105.4	1783.2	1607.3	1524.2	1472.8
4112.0	17.5°	4116.0	4088.3	3861.0	3141.4	2346.6	1773.3	1534.1	1401.7	1328.5	1279.1
4363.1	20°	4365.1	4319.6	3916.3	2921.9	2024.4	1563.8	1366.1	1255.4	1200.0	1156.5
4719.0	22.5°	4713.0	4647.8	3983.5	2684.7	1797.0	1419.4	1241.5	1160.5	1115.0	1065.6
5215.2	25°	5144.0	5066.9	4066.6	2465.2	1640.9	1294.9	1150.6	1083.4	1030.0	972.7
5865.6	27.5°	5747.0	5608.6	4165.4	2285.3	1506.4	1188.1	1067.5	992.4	931.1	883.7
6603.0	30°	6419.1	6191.8	4252.4	2176.6	1383.9	1089.3	958.8	883.7	826.4	792.8
7265.3	32.5°	7055.7	6747.3	4309.7	2129.2	1273.2	976.6	840.2	759.1	715.7	705.8
7913.7	35°	7656.7	7249.4	4303.8	2083.7	1174.3	863.9	723.6	640.5	606.9	612.9
8611.6	37.5°	8348.6	7785.2	4262.3	2012.5	1093.2	761.1	622.7	549.6	519.9	521.9
9459.7	40°	9153.2	8404.0	4236.6	1878.1	1004.3	666.2	539.7	480.4	458.7	450.7
10353.2	42.5°	10011.2	9003.0	4240.5	1725.9	893.6	581.2	482.4	433.0	413.2	407.2
11347.6	45°	10873.2	9574.3	4246.5	1567.7	776.9	516.0	440.9	399.3	387.5	379.6
12355.9	47.5°	11683.7	10060.7	4135.8	1397.7	662.3	466.6	407.2	379.6	369.7	359.8
13368.1	50°	12438.9	10384.9	3868.9	1200.0	571.3	427.0	381.5	361.8	351.9	342.0
14285.4	52.5°	13026.1	10436.3	3428.0	996.4	508.1	397.4	365.7	347.9	336.1	326.2
15026.7	55°	13287.0	10114.0	2801.3	806.6	458.7	371.7	349.9	332.1	318.3	308.4
15609.9	57.5°	13219.8	9435.9	2184.5	648.4	411.2	346.0	330.1	318.3	302.5	286.7
16082.4	60°	12889.7	8528.5	1646.8	539.7	367.7	318.3	308.4	298.5	276.8	253.0
16264.3	62.5°	12318.3	7387.8	1174.3	446.8	320.3	286.7	282.7	274.8	243.2	199.7
15995.4	65°	11444.5	6002.0	790.8	371.7	274.8	251.1	253.0	239.2	197.7	148.3
15010.9	67.5°	10167.4	4388.8	506.1	304.4	229.3	209.6	211.5	203.6	168.0	126.5
13144.7	70°	8540.4	2906.1	330.1	231.3	183.9	162.1	174.0	175.9	142.3	102.8
10088.3	72.5°	6261.0	1716.0	231.3	172.0	134.4	112.7	142.3	146.3	114.7	77.1
6069.2	75°	3568.4	814.5	174.0	124.5	83.0	79.1	110.7	110.7	79.1	51.4
2627.4	77.5°	1498.5	340.0	122.6	81.1	47.4	45.5	75.1	69.2	39.5	23.7
640.5	80°	433.0	152.2	65.2	39.5	19.8	17.8	29.7	21.7	9.9	4.0
243.2	82.5°	170.0	67.2	25.7	15.8	7.9	7.9	4.0	0.0	0.0	0.0
138.4	85°	100.8	27.7	11.9	5.9	2.0	0.0	0.0	0.0	0.0	0.0
29.7	87.5°	25.7	5.9	4.0	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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3430.0
3406.3
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