

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: P847657

Luminaire Tested: **GLAN-SB3D-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847657
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-SB3D-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 900mA 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: 19826 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

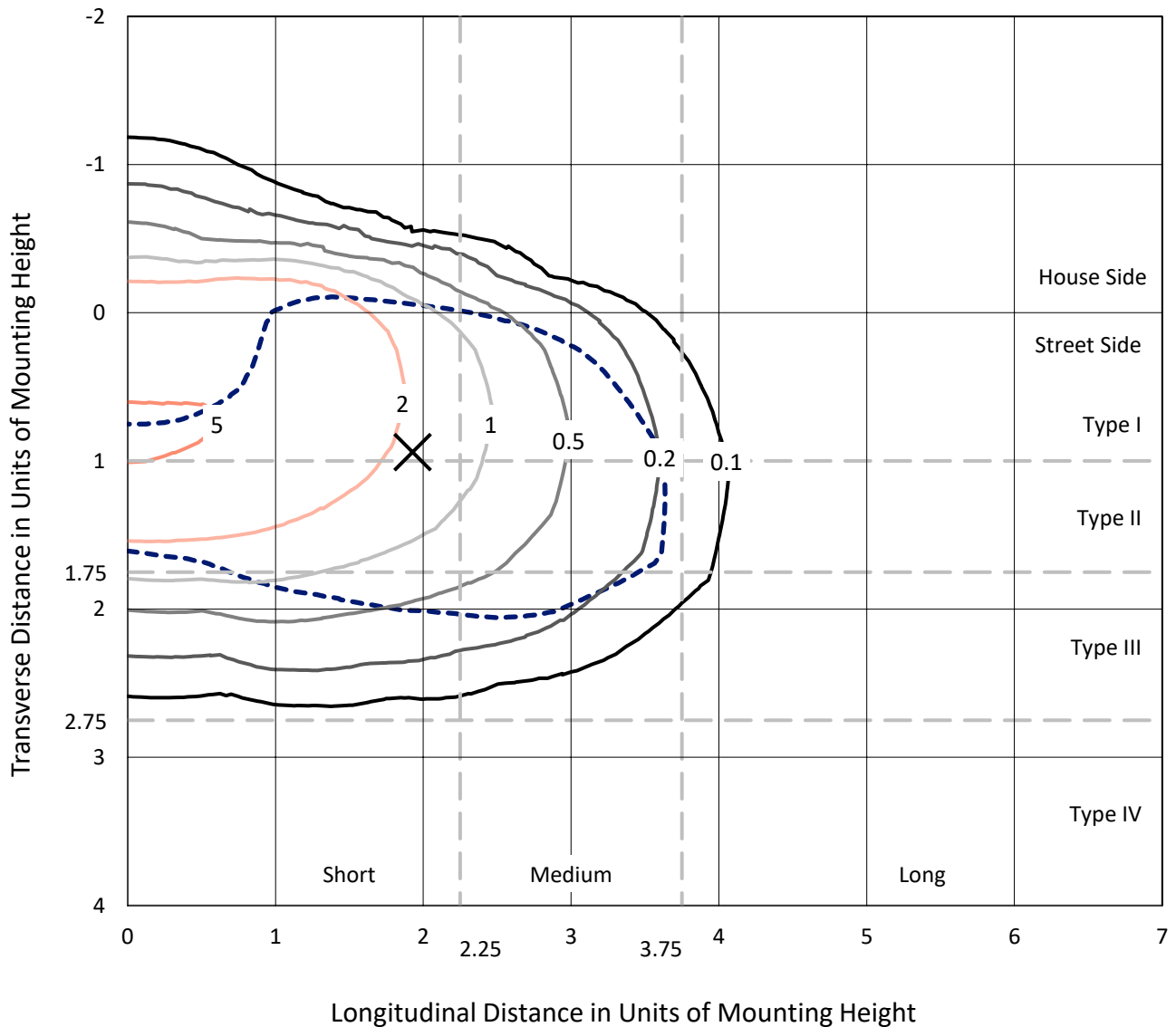
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

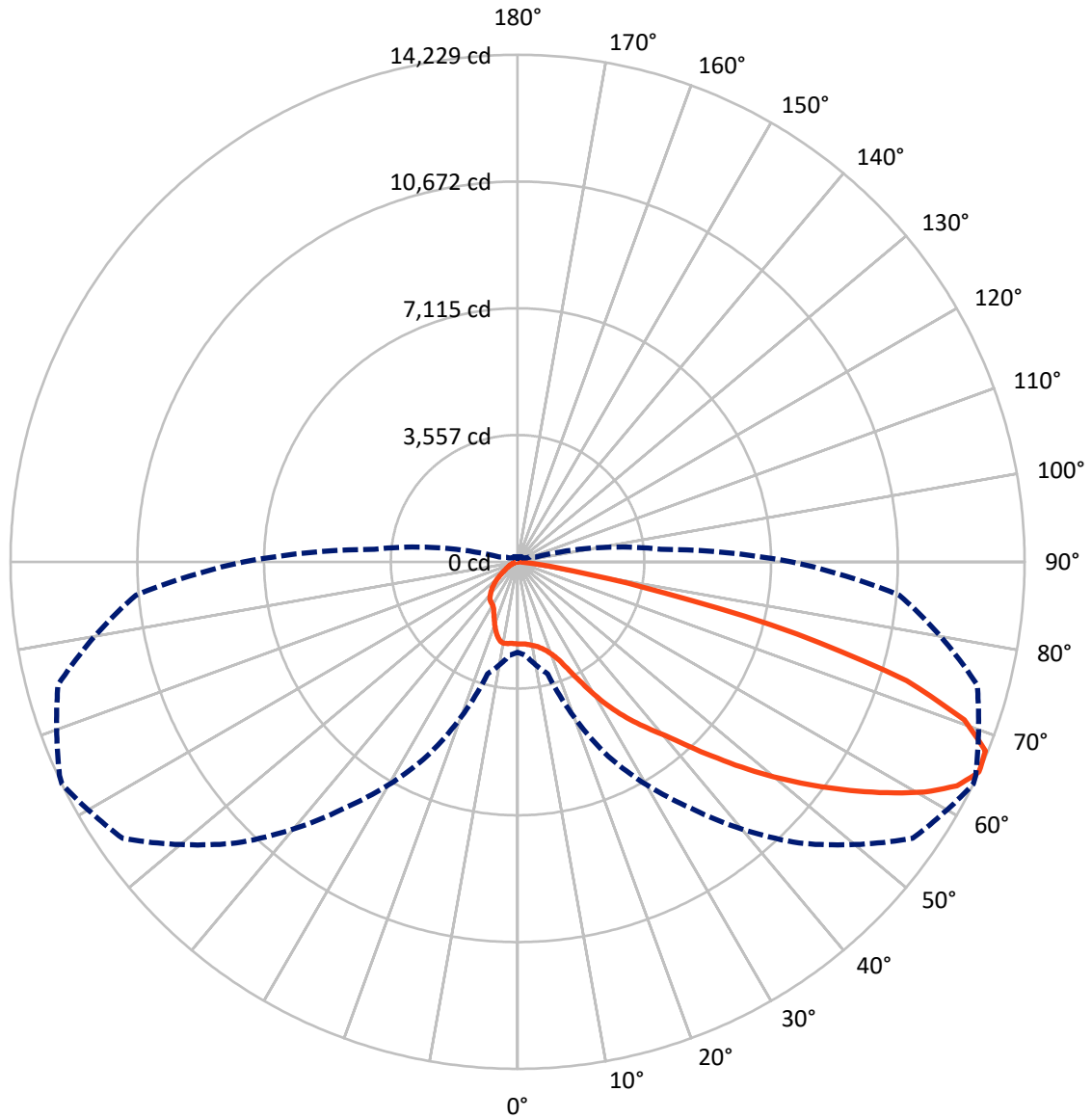
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	2651.3	0.0	2651.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	17174.7	0.0	17174.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	19826.0	0.0	19826.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.7	1.1
10°-20°	577.0	2.9
20°-30°	1093.4	5.5
30°-40°	2212.6	11.2
40°-50°	3769.2	19.0
50°-60°	5125.8	25.9
60°-70°	4813.4	24.3
70°-80°	1928.4	9.7
80°-90°	93.4	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°	19826.0	100.0
0°-180°	19826.0	100.0

Coefficient of Utilization



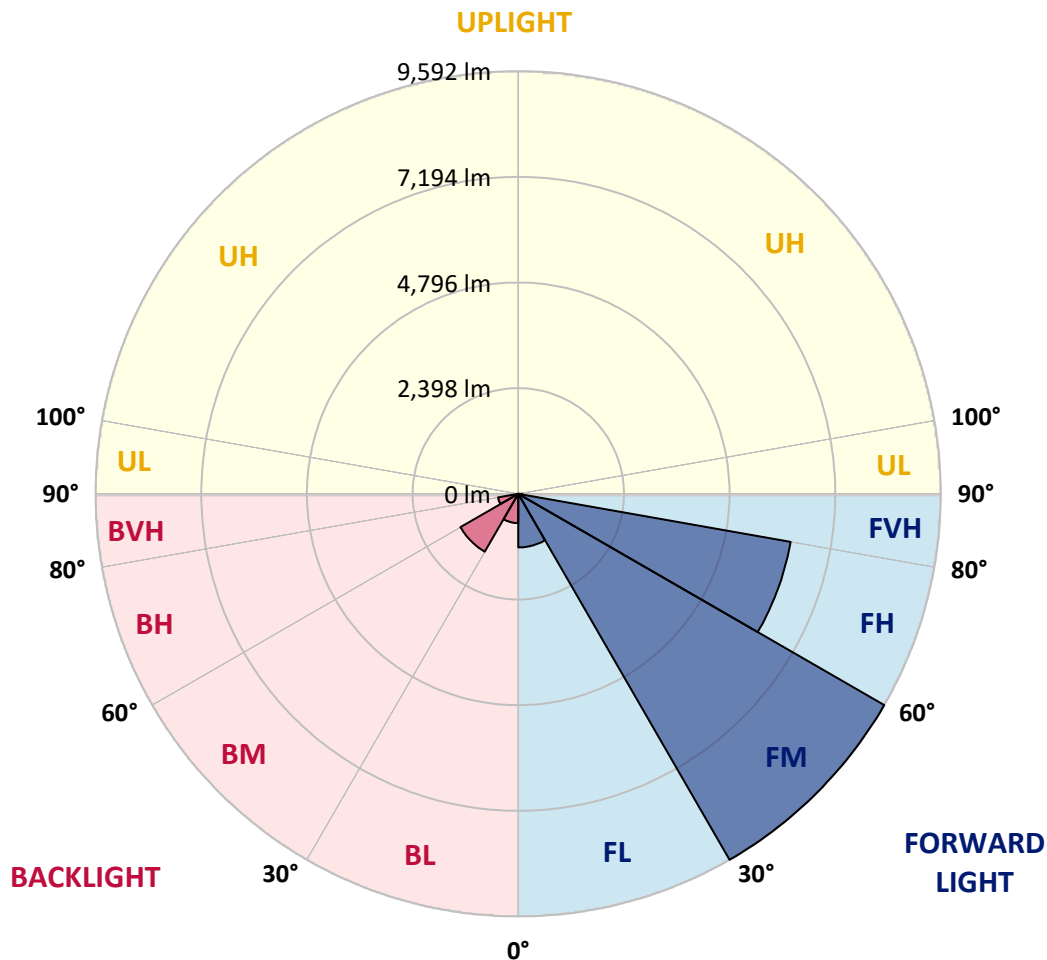
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1217.5	6.1			
FM (30°-60°)	9591.8	48.4			
FH (60°-80°)	6276.5	31.7			G3/7500
FVH (80°-90°)	88.9	0.4			G1/100
BL (0°-30°)	665.7	3.4	B2/1000		
BM (30°-60°)	1515.8	7.6	B2/2500		
BH (60°-80°)	465.4	2.3	B1/500		G1/500
BVH (80°-90°)	4.6	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2306.0	2306.0	2306.0	2306.0	2306.0	2306.0	2306.0	2306.0	2306.0	2306.0
2.5°	2298.0	2313.9	2310.0	2306.0	2304.6	2307.3	2308.6	2307.3	2307.3	2307.3
5°	2254.1	2267.4	2267.4	2276.7	2290.0	2306.0	2317.9	2320.6	2323.2	2327.2
7.5°	2170.4	2181.0	2189.0	2219.6	2252.8	2295.3	2331.2	2349.8	2352.5	2367.1
10°	2113.3	2126.5	2139.8	2171.7	2219.6	2283.4	2344.5	2389.7	2396.3	2430.9
12.5°	2110.6	2123.9	2141.2	2175.7	2231.5	2299.3	2373.8	2438.9	2450.8	2501.3
15°	2138.5	2154.5	2170.4	2212.9	2272.7	2355.1	2434.9	2516.0	2527.9	2599.7
17.5°	2195.7	2216.9	2228.9	2271.4	2335.2	2426.9	2531.9	2625.0	2635.6	2719.3
20°	2308.6	2333.9	2337.9	2372.4	2434.9	2533.2	2658.2	2773.8	2787.1	2882.8
22.5°	2542.5	2578.4	2546.5	2563.8	2619.6	2718.0	2853.6	2999.8	3018.4	3127.3
25°	2954.6	3005.1	2922.7	2893.4	2917.4	3019.7	3189.8	3374.6	3395.8	3483.5
27.5°	3764.0	3698.9	3573.9	3451.6	3379.9	3438.4	3629.7	3858.3	3884.9	3970.0
30°	4653.1	4596.0	4427.2	4156.1	3985.9	3976.6	4153.4	4408.6	4439.2	4520.2
32.5°	5543.6	5489.1	5305.7	4972.1	4677.1	4530.9	4653.1	4936.2	4952.2	5004.0
35°	6419.5	6363.7	6180.3	5838.7	5475.8	5143.6	5119.7	5438.6	5443.9	5498.4
37.5°	7300.7	7254.2	7058.8	6723.9	6366.3	5907.8	5685.8	5914.4	5921.1	5974.3
40°	7929.3	7949.3	7815.0	7555.9	7248.9	6747.8	6321.1	6420.8	6381.0	6470.0
42.5°	8469.0	8508.8	8391.9	8261.6	8083.5	7642.3	7108.0	7090.7	7026.9	7074.7
45°	8935.5	8968.7	8863.7	8833.1	8829.1	8519.5	7967.9	7864.2	7775.2	7765.9
47.5°	9106.9	9170.7	9215.9	9318.2	9517.6	9387.4	8857.1	8696.2	8596.5	8523.4
50°	9172.0	9239.8	9394.0	9691.7	10163.5	10219.4	9742.2	9561.5	9439.2	9306.3
52.5°	9084.3	9205.3	9412.6	9913.7	10598.2	10886.6	10591.5	10433.3	10293.8	10077.2
55°	8567.3	8688.3	9112.2	9911.0	10814.8	11354.4	11394.3	11323.8	11167.0	10825.4
57.5°	7477.5	7656.9	8328.1	9573.4	10810.8	11757.1	12181.1	12231.6	12056.2	11567.1
60°	5967.6	6210.8	7029.6	8825.2	10477.2	11975.1	12870.9	13123.4	12937.4	12298.1
62.5°	4164.0	4445.8	5220.7	7652.9	9714.3	11818.3	13374.6	13841.1	13700.3	12952.0
65°	2539.9	2630.3	3254.9	6022.1	8417.1	11161.7	13530.1	14229.2	14182.7	13352.0
67.5°	1691.9	1767.7	1947.1	4129.5	6533.8	9849.9	13158.0	14161.4	14174.7	13286.9
70°	1019.4	1084.5	1201.5	2401.7	4234.5	7796.4	12005.7	13297.5	13374.6	12416.4
72.5°	420.0	463.9	570.2	1088.5	2193.0	4948.2	9560.1	11416.9	11596.3	10440.0
75°	237.9	260.5	334.9	546.3	951.6	2306.0	5790.8	8104.8	8369.3	7195.7
77.5°	158.2	168.8	216.6	353.5	535.6	786.8	2474.8	4222.5	4727.6	3930.1
80°	106.3	115.6	148.9	236.6	348.2	337.6	788.1	1564.3	1924.5	1350.4
82.5°	71.8	73.1	106.3	155.5	220.6	163.5	232.6	486.4	611.4	390.8
85°	41.2	39.9	78.4	90.4	98.4	67.8	70.4	146.2	191.4	164.8
87.5°	5.3	8.0	30.6	23.9	13.3	14.6	14.6	25.3	37.2	39.9
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°
2306.0	0°	2306.0	2306.0	2306.0	2306.0	2306.0	2306.0	2306.0	2306.0	2306.0	2306.0
2308.6	2.5°	2308.6	2307.3	2303.3	2299.3	2290.0	2284.7	2287.4	2284.7	2283.4	2284.7
2325.9	5°	2325.9	2321.9	2311.3	2298.0	2279.4	2256.8	2242.2	2220.9	2201.0	2189.0
2372.4	7.5°	2372.4	2368.4	2353.8	2316.6	2256.8	2162.4	2076.0	2000.3	1943.1	1909.9
2446.9	10°	2446.9	2440.2	2417.6	2335.2	2178.4	1972.4	1800.9	1658.7	1565.7	1521.8
2534.6	12.5°	2534.6	2526.6	2486.7	2317.9	2029.5	1707.9	1471.3	1313.1	1226.7	1188.2
2635.6	15°	2638.2	2627.6	2549.2	2235.5	1812.9	1415.5	1198.8	1080.5	1024.7	990.2
2764.5	17.5°	2767.2	2748.6	2595.7	2111.9	1577.6	1192.2	1031.4	942.3	893.1	859.9
2933.3	20°	2934.6	2904.1	2632.9	1964.4	1361.0	1051.3	918.4	844.0	806.8	777.5
3172.5	22.5°	3168.5	3124.7	2678.1	1804.9	1208.1	954.3	834.7	780.2	749.6	716.4
3506.1	25°	3458.3	3406.5	2733.9	1657.4	1103.1	870.6	773.5	728.3	692.5	653.9
3943.4	27.5°	3863.7	3770.6	2800.4	1536.4	1012.8	798.8	717.7	667.2	626.0	594.1
4439.2	30°	4315.6	4162.7	2858.9	1463.3	930.4	732.3	644.6	594.1	555.6	533.0
4884.4	32.5°	4743.5	4536.2	2897.4	1431.4	855.9	656.6	564.9	510.4	481.1	474.5
5320.3	35°	5147.6	4873.8	2893.4	1400.9	789.5	580.8	486.4	430.6	408.0	412.0
5789.5	37.5°	5612.7	5234.0	2865.5	1353.0	735.0	511.7	418.7	369.5	349.6	350.9
6359.7	40°	6153.7	5650.0	2848.2	1262.6	675.2	447.9	362.8	323.0	308.3	303.0
6960.4	42.5°	6730.5	6052.7	2850.9	1160.3	600.7	390.8	324.3	291.1	277.8	273.8
7629.0	45°	7310.0	6436.8	2854.9	1054.0	522.3	346.9	296.4	268.5	260.5	255.2
8306.8	47.5°	7854.9	6763.7	2780.5	939.7	445.2	313.7	273.8	255.2	248.5	241.9
8987.3	50°	8362.6	6981.7	2601.0	806.8	384.1	287.1	256.5	243.2	236.6	229.9
9604.0	52.5°	8757.4	7016.3	2304.6	669.9	341.6	267.1	245.9	233.9	225.9	219.3
10102.4	55°	8932.8	6799.6	1883.3	542.3	308.3	249.9	235.2	223.3	214.0	207.3
10494.5	57.5°	8887.6	6343.7	1468.6	435.9	276.5	232.6	222.0	214.0	203.4	192.7
10812.1	60°	8665.7	5733.7	1107.1	362.8	247.2	214.0	207.3	200.7	186.1	170.1
10934.4	62.5°	8281.6	4966.8	789.5	300.4	215.3	192.7	190.1	184.7	163.5	134.2
10753.7	65°	7694.1	4035.1	531.6	249.9	184.7	168.8	170.1	160.8	132.9	99.7
10091.8	67.5°	6835.5	2950.6	340.2	204.7	154.2	140.9	142.2	136.9	113.0	85.1
8837.1	70°	5741.7	1953.8	222.0	155.5	123.6	109.0	117.0	118.3	95.7	69.1
6782.3	72.5°	4209.2	1153.6	155.5	115.6	90.4	75.8	95.7	98.4	77.1	51.8
4080.3	75°	2399.0	547.6	117.0	83.7	55.8	53.2	74.4	74.4	53.2	34.6
1766.4	77.5°	1007.4	228.6	82.4	54.5	31.9	30.6	50.5	46.5	26.6	15.9
430.6	80°	291.1	102.3	43.9	26.6	13.3	12.0	19.9	14.6	6.6	2.7
163.5	82.5°	114.3	45.2	17.3	10.6	5.3	5.3	2.7	0.0	0.0	0.0
93.0	85°	67.8	18.6	8.0	4.0	1.3	0.0	0.0	0.0	0.0	0.0
19.9	87.5°	17.3	4.0	2.7	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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2306.0
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