

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: P847637

Luminaire Tested: **GLAN-SB3D-827-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847637
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-827-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 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: 19092 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

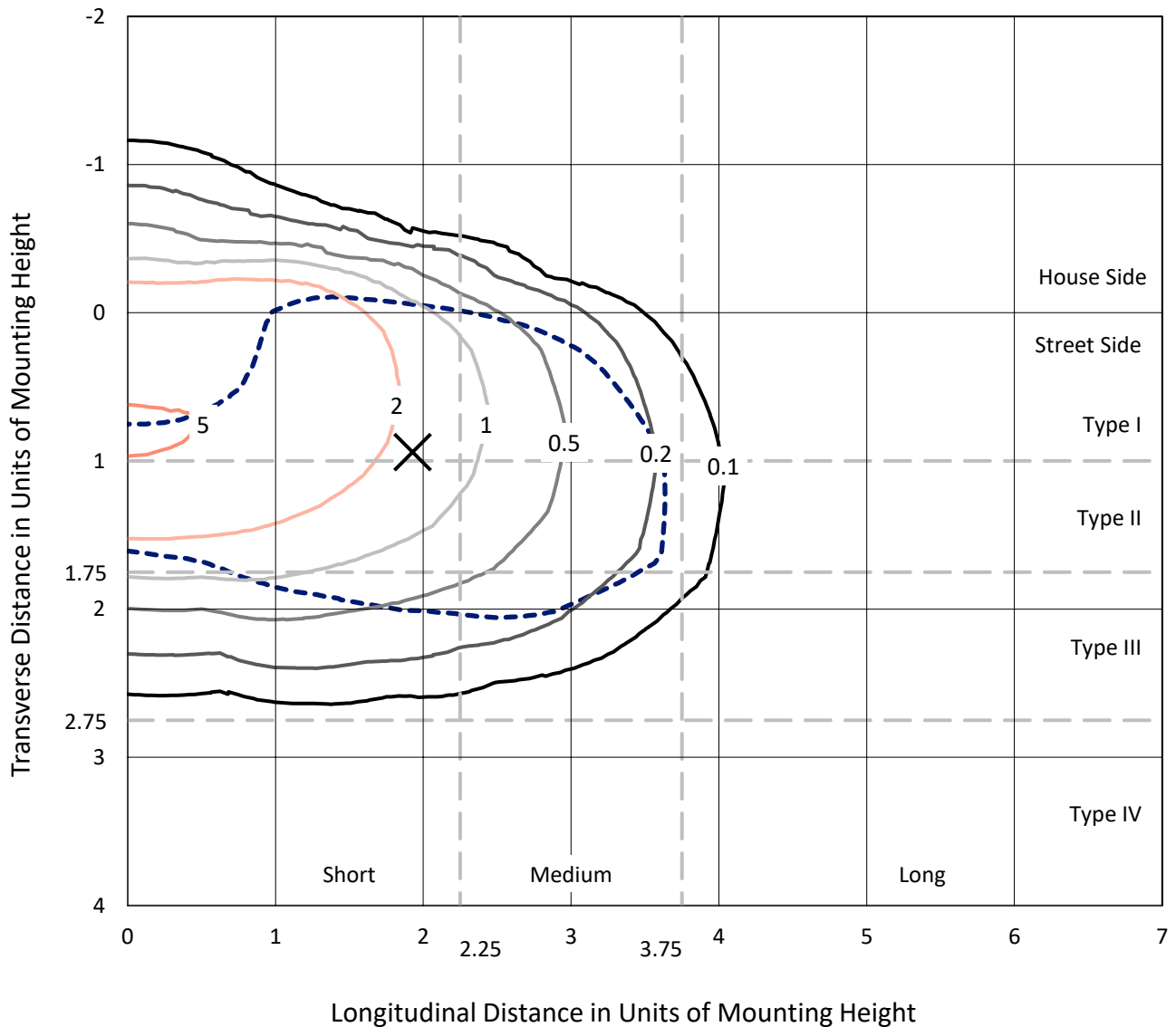
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

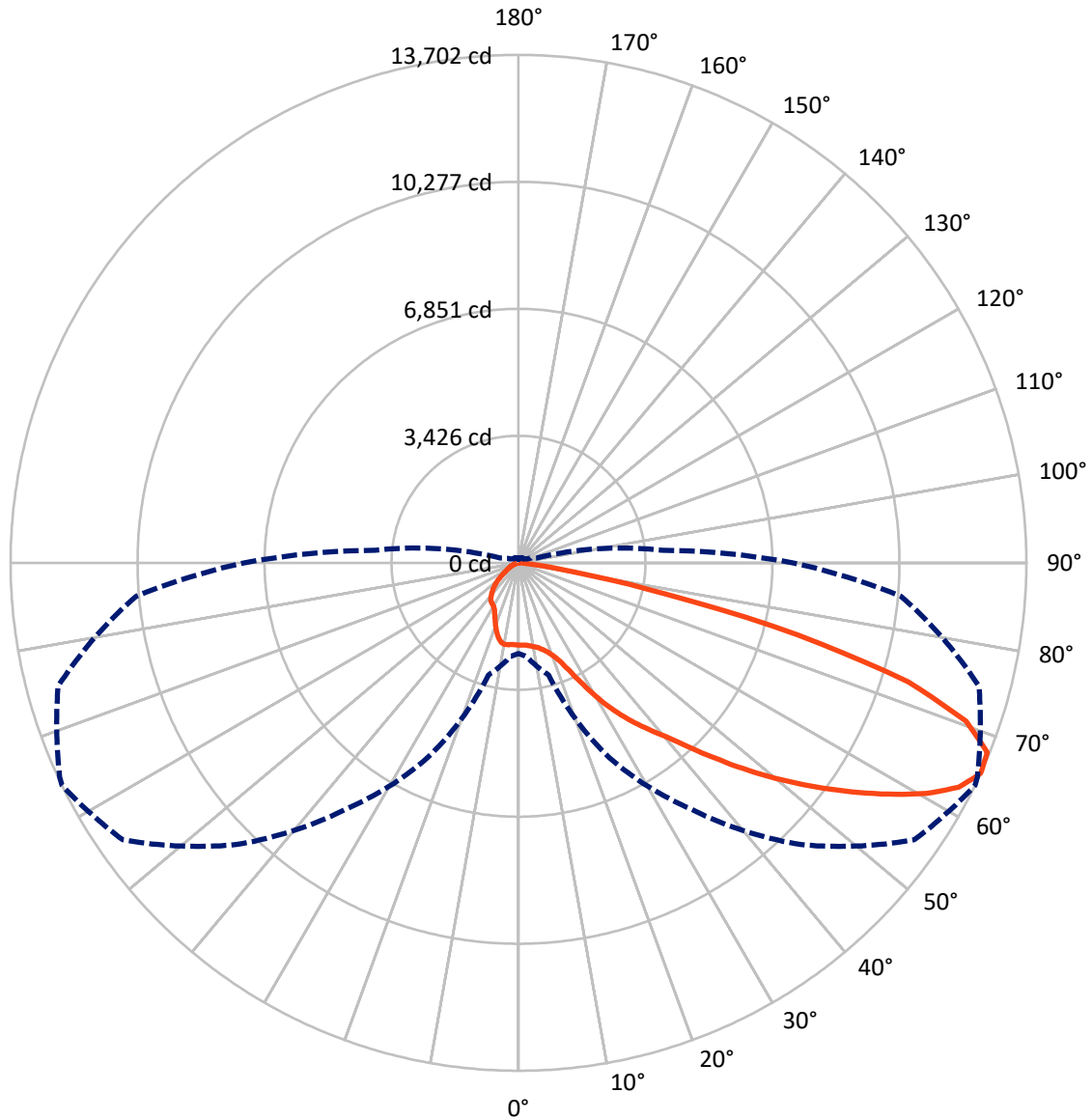
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	2553.2	0.0	2553.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	16538.8	0.0	16538.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	19092.0	0.0	19092.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.9	1.1
10°-20°	555.7	2.9
20°-30°	1052.9	5.5
30°-40°	2130.7	11.2
40°-50°	3629.6	19.0
50°-60°	4936.0	25.9
60°-70°	4635.2	24.3
70°-80°	1857.0	9.7
80°-90°	90.0	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°	19092.0	100.0
0°-180°	19092.0	100.0

Coefficient of Utilization



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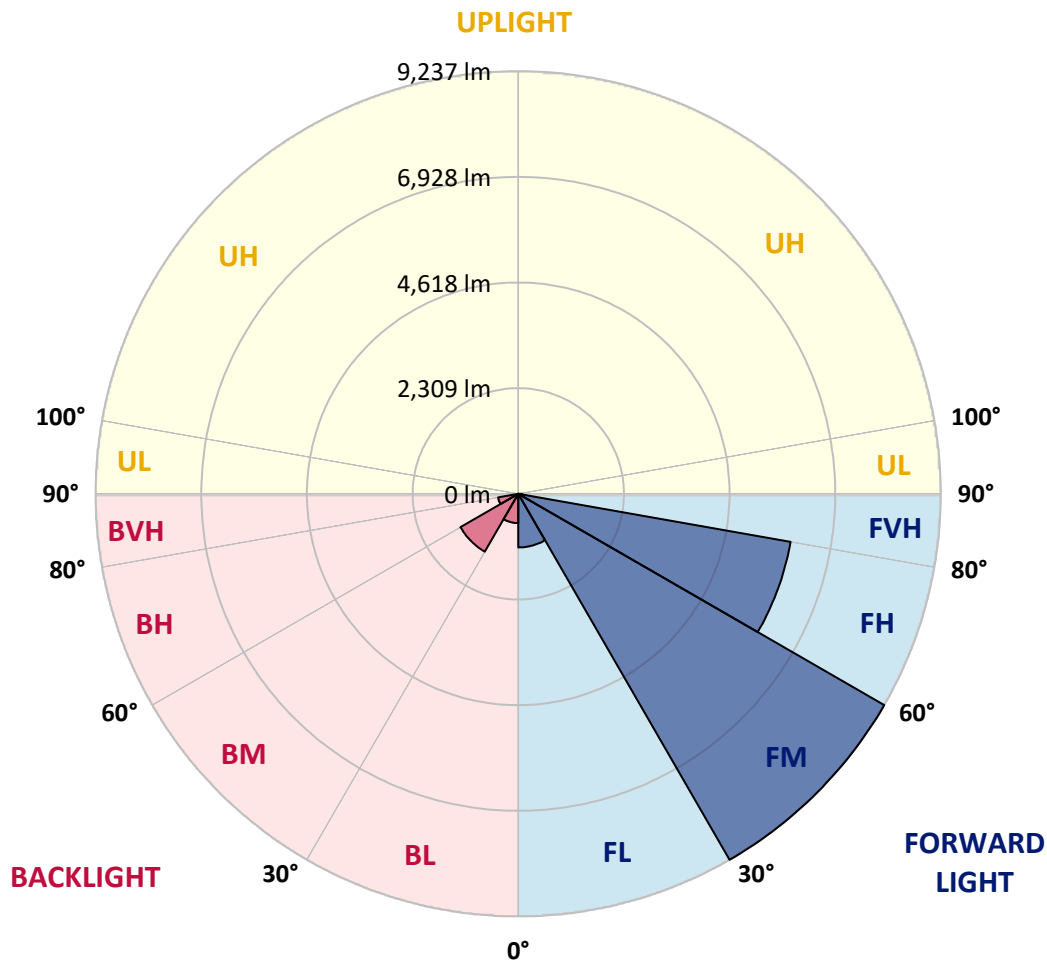
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1172.5	6.1			
FM (30°-60°)	9236.7	48.4			
FH (60°-80°)	6044.1	31.7			G3/7500
FVH (80°-90°)	85.6	0.4			G1/100
BL (0°-30°)	641.0	3.4	B2/1000		
BM (30°-60°)	1459.6	7.6	B2/2500		
BH (60°-80°)	448.1	2.3	B1/500		G1/500
BVH (80°-90°)	4.4	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°	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6
2.5°	2212.9	2228.3	2224.4	2220.6	2219.3	2221.9	2223.2	2221.9	2221.9	2221.9
5°	2170.7	2183.5	2183.5	2192.4	2205.2	2220.6	2232.1	2234.7	2237.2	2241.1
7.5°	2090.0	2100.3	2108.0	2137.4	2169.4	2210.4	2244.9	2262.8	2265.4	2279.5
10°	2035.0	2047.8	2060.6	2091.3	2137.4	2198.8	2257.7	2301.2	2307.6	2340.9
12.5°	2032.5	2045.3	2061.9	2095.2	2148.9	2214.2	2285.9	2348.6	2360.1	2408.7
15°	2059.3	2074.7	2090.0	2131.0	2188.6	2268.0	2344.7	2422.8	2434.3	2503.5
17.5°	2114.4	2134.8	2146.4	2187.3	2248.8	2337.1	2438.2	2527.8	2538.0	2618.6
20°	2223.2	2247.5	2251.3	2284.6	2344.7	2439.5	2559.8	2671.1	2683.9	2776.1
22.5°	2448.4	2483.0	2452.3	2468.9	2522.7	2617.4	2747.9	2888.7	2906.6	3011.6
25°	2845.2	2893.8	2814.5	2786.3	2809.3	2907.9	3071.7	3249.6	3270.1	3354.6
27.5°	3624.6	3561.9	3441.6	3323.9	3254.7	3311.1	3495.4	3715.5	3741.1	3823.0
30°	4480.9	4425.8	4263.3	4002.2	3838.4	3829.4	3999.6	4245.4	4274.8	4352.9
32.5°	5338.4	5285.9	5109.3	4788.0	4503.9	4363.1	4480.9	4753.5	4768.8	4818.8
35°	6181.8	6128.1	5951.5	5622.5	5273.1	4953.1	4930.1	5237.3	5242.4	5294.9
37.5°	7030.4	6985.6	6797.5	6474.9	6130.6	5689.1	5475.3	5695.5	5701.9	5753.1
40°	7635.8	7655.0	7525.7	7276.1	6980.5	6498.0	6087.1	6183.1	6144.7	6230.5
42.5°	8155.4	8193.8	8081.2	7955.8	7784.3	7359.3	6844.8	6828.2	6766.7	6812.8
45°	8604.7	8636.7	8535.5	8506.1	8502.3	8204.1	7672.9	7573.1	7487.3	7478.4
47.5°	8769.8	8831.2	8874.7	8973.3	9165.2	9039.8	8529.1	8374.3	8278.3	8207.9
50°	8832.5	8897.7	9046.2	9332.9	9787.3	9841.0	9381.5	9207.5	9089.7	8961.7
52.5°	8748.0	8864.5	9064.1	9546.7	10205.8	10483.5	10199.4	10047.1	9912.7	9704.1
55°	8250.1	8366.6	8774.9	9544.1	10414.4	10934.0	10972.4	10904.6	10753.6	10424.7
57.5°	7200.6	7373.4	8019.7	9219.0	10410.6	11321.8	11730.1	11778.8	11609.8	11138.8
60°	5746.7	5980.9	6769.3	8498.4	10089.3	11531.8	12394.4	12637.6	12458.4	11842.8
62.5°	4009.9	4281.2	5027.4	7369.6	9354.7	11380.7	12879.5	13328.7	13193.0	12472.5
65°	2445.9	2532.9	3134.4	5799.2	8105.5	10748.5	13029.2	13702.4	13657.6	12857.7
67.5°	1629.3	1702.2	1875.0	3976.6	6291.9	9485.2	12670.8	13637.2	13650.0	12795.0
70°	981.7	1044.4	1157.0	2312.7	4077.7	7507.8	11561.2	12805.2	12879.5	11956.7
72.5°	404.4	446.7	549.1	1048.2	2111.8	4765.0	9206.2	10994.2	11167.0	10053.5
75°	229.1	250.9	322.5	526.0	916.4	2220.6	5576.5	7804.7	8059.4	6929.3
77.5°	152.3	162.5	208.6	340.4	515.8	757.7	2383.1	4066.2	4552.5	3784.6
80°	102.4	111.3	143.3	227.8	335.3	325.1	759.0	1506.4	1853.3	1300.4
82.5°	69.1	70.4	102.4	149.7	212.5	157.4	224.0	468.4	588.7	376.3
85°	39.7	38.4	75.5	87.0	94.7	65.3	67.8	140.8	184.3	158.7
87.5°	5.1	7.7	29.4	23.0	12.8	14.1	14.1	24.3	35.8	38.4
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°
2220.6	0°	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6
2223.2	2.5°	2223.2	2221.9	2218.0	2214.2	2205.2	2200.1	2202.7	2200.1	2198.8	2200.1
2239.8	5°	2239.8	2236.0	2225.7	2212.9	2195.0	2173.2	2159.2	2138.7	2119.5	2108.0
2284.6	7.5°	2284.6	2280.8	2266.7	2230.8	2173.2	2082.4	1999.2	1926.2	1871.2	1839.2
2356.3	10°	2356.3	2349.9	2328.1	2248.8	2097.7	1899.3	1734.2	1597.3	1507.7	1465.5
2440.7	12.5°	2440.7	2433.1	2394.7	2232.1	1954.4	1644.7	1416.8	1264.5	1181.3	1144.2
2538.0	15°	2540.6	2530.3	2454.8	2152.8	1745.8	1363.1	1154.5	1040.5	986.8	953.5
2662.2	17.5°	2664.7	2646.8	2499.6	2033.7	1519.2	1148.1	993.2	907.4	860.1	828.1
2824.7	20°	2826.0	2796.5	2535.4	1891.7	1310.6	1012.4	884.4	812.7	776.9	748.7
3055.1	22.5°	3051.2	3009.0	2579.0	1738.1	1163.4	919.0	803.8	751.3	721.9	689.9
3376.3	25°	3330.3	3280.3	2632.7	1596.0	1062.3	838.3	744.9	701.4	666.8	629.7
3797.4	27.5°	3720.6	3631.0	2696.7	1479.5	975.3	769.2	691.1	642.5	602.8	572.1
4274.8	30°	4155.8	4008.6	2753.0	1409.2	895.9	705.2	620.7	572.1	535.0	513.2
4703.6	32.5°	4567.9	4368.2	2790.1	1378.4	824.2	632.3	544.0	491.5	463.3	456.9
5123.4	35°	4957.0	4693.3	2786.3	1349.0	760.3	559.3	468.4	414.7	392.9	396.8
5575.2	37.5°	5404.9	5040.2	2759.4	1302.9	707.8	492.8	403.2	355.8	336.6	337.9
6124.2	40°	5925.9	5440.8	2742.8	1215.9	650.2	431.3	349.4	311.0	296.9	291.8
6702.7	42.5°	6481.3	5828.6	2745.4	1117.3	578.5	376.3	312.3	280.3	267.5	263.7
7346.5	45°	7039.4	6198.5	2749.2	1014.9	503.0	334.0	285.4	258.5	250.9	245.7
7999.3	47.5°	7564.1	6513.3	2677.5	904.9	428.8	302.1	263.7	245.7	239.3	232.9
8654.6	50°	8053.0	6723.2	2504.7	776.9	369.9	276.5	247.0	234.2	227.8	221.4
9248.4	52.5°	8433.2	6756.5	2219.3	645.1	328.9	257.3	236.8	225.3	217.6	211.2
9728.4	55°	8602.1	6547.9	1813.6	522.2	296.9	240.6	226.5	215.0	206.1	199.7
10106.0	57.5°	8558.6	6108.9	1414.3	419.8	266.2	224.0	213.7	206.1	195.8	185.6
10411.9	60°	8344.8	5521.4	1066.1	349.4	238.1	206.1	199.7	193.3	179.2	163.8
10529.6	62.5°	7975.0	4782.9	760.3	289.3	207.3	185.6	183.0	177.9	157.4	129.3
10355.5	65°	7409.2	3885.7	512.0	240.6	177.9	162.5	163.8	154.9	128.0	96.0
9718.2	67.5°	6582.4	2841.3	327.7	197.1	148.5	135.7	136.9	131.8	108.8	81.9
8509.9	70°	5529.1	1881.4	213.7	149.7	119.0	105.0	112.6	113.9	92.2	66.6
6531.2	72.5°	4053.4	1110.9	149.7	111.3	87.0	73.0	92.2	94.7	74.2	49.9
3929.2	75°	2310.2	527.3	112.6	80.6	53.8	51.2	71.7	71.7	51.2	33.3
1701.0	77.5°	970.2	220.1	79.4	52.5	30.7	29.4	48.6	44.8	25.6	15.4
414.7	80°	280.3	98.6	42.2	25.6	12.8	11.5	19.2	14.1	6.4	2.6
157.4	82.5°	110.1	43.5	16.6	10.2	5.1	5.1	2.6	0.0	0.0	0.0
89.6	85°	65.3	17.9	7.7	3.8	1.3	0.0	0.0	0.0	0.0	0.0
19.2	87.5°	16.6	3.8	2.6	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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2220.6
2205.2
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