

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: P848667

Luminaire Tested: **GLAN-SB5B-830-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848667
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-SB5B-830-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 450mA 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: 19155 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

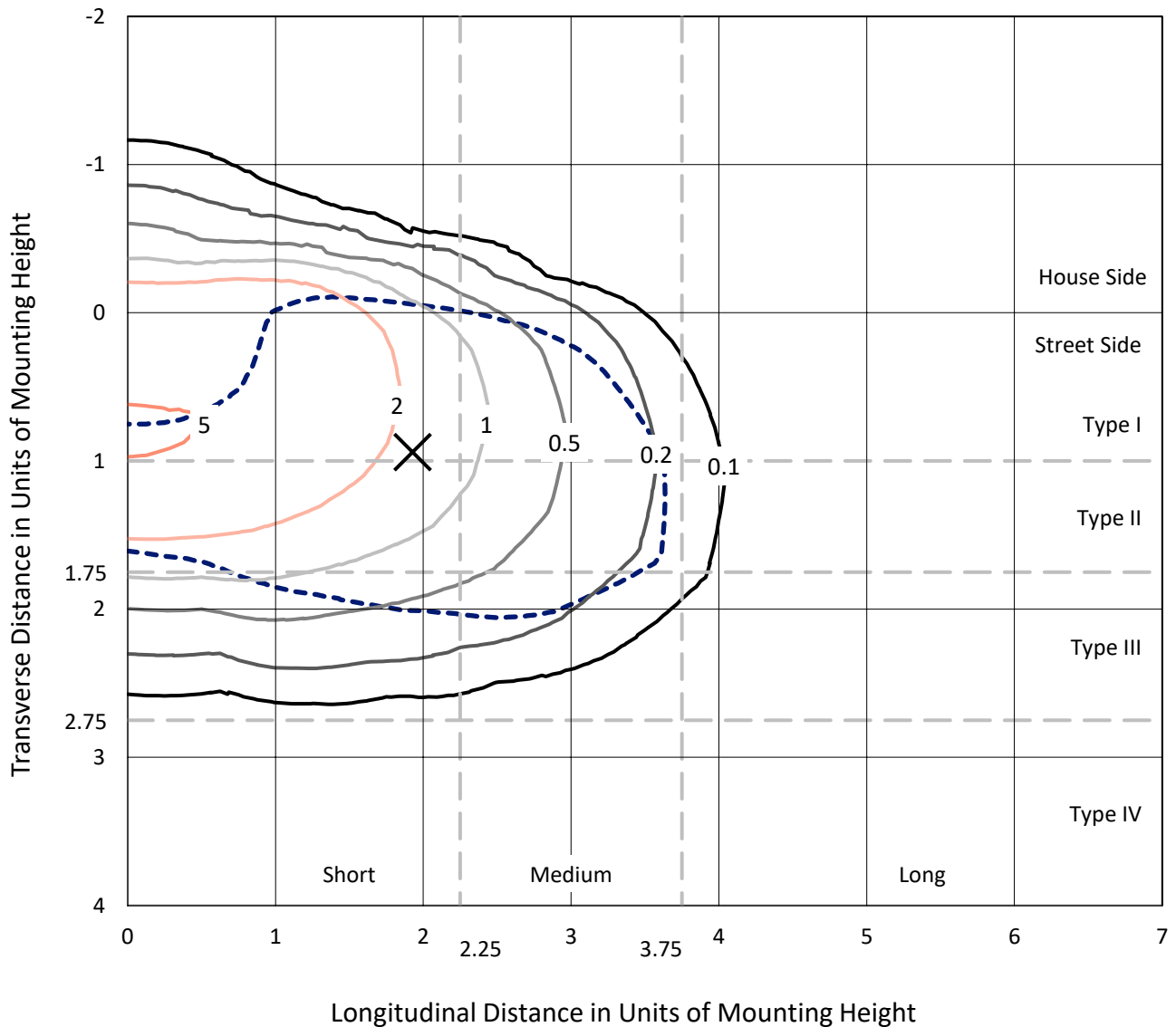
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

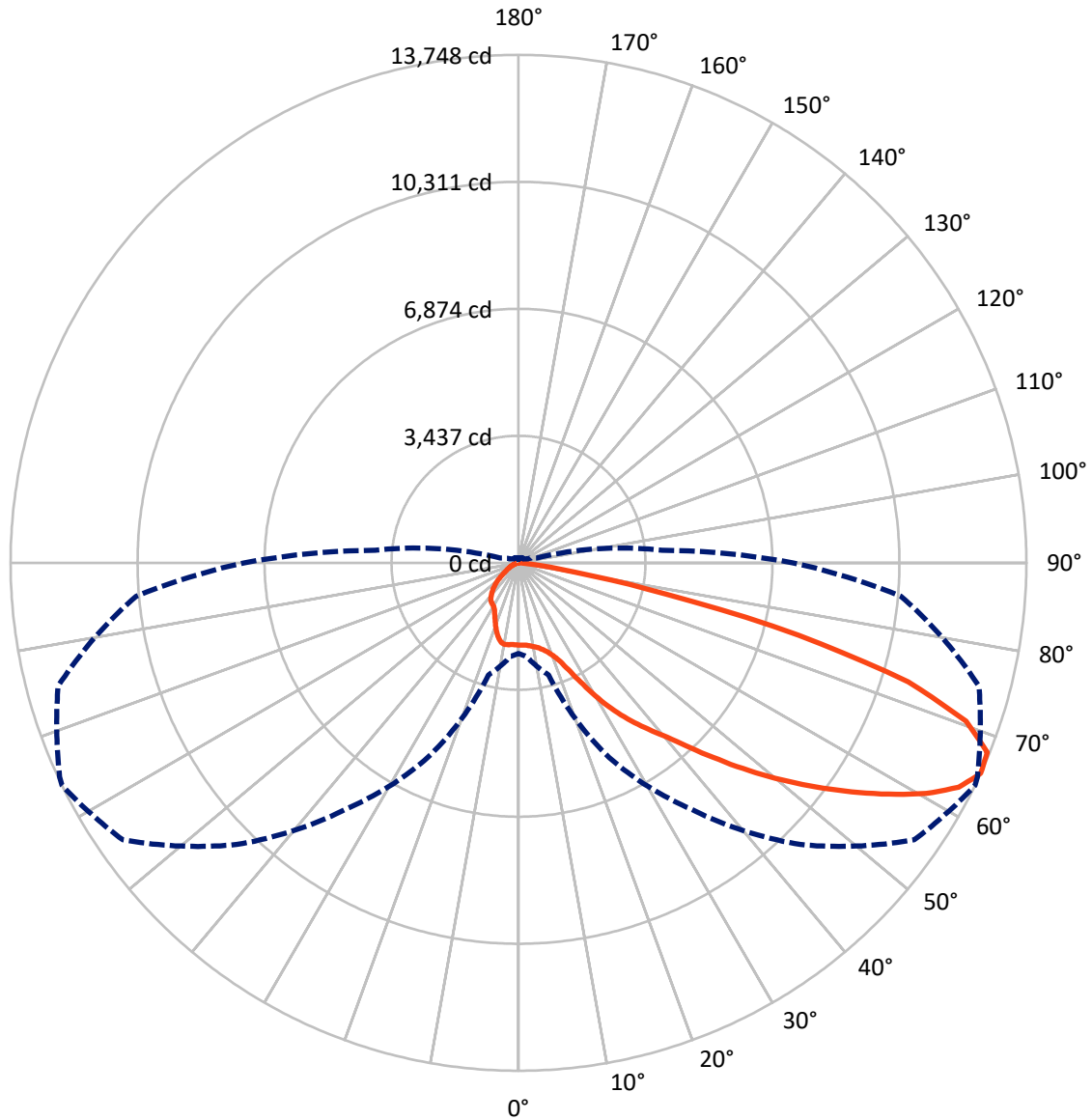
✕ Max cd
 - - - 1/2 Max cd



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	2561.6	0.0	2561.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	16593.4	0.0	16593.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	19155.0	0.0	19155.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.5	1.1
10°-20°	557.5	2.9
20°-30°	1056.4	5.5
30°-40°	2137.7	11.2
40°-50°	3641.6	19.0
50°-60°	4952.3	25.9
60°-70°	4650.5	24.3
70°-80°	1863.2	9.7
80°-90°	90.3	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°	19155.0	100.0
0°-180°	19155.0	100.0

Coefficient of Utilization



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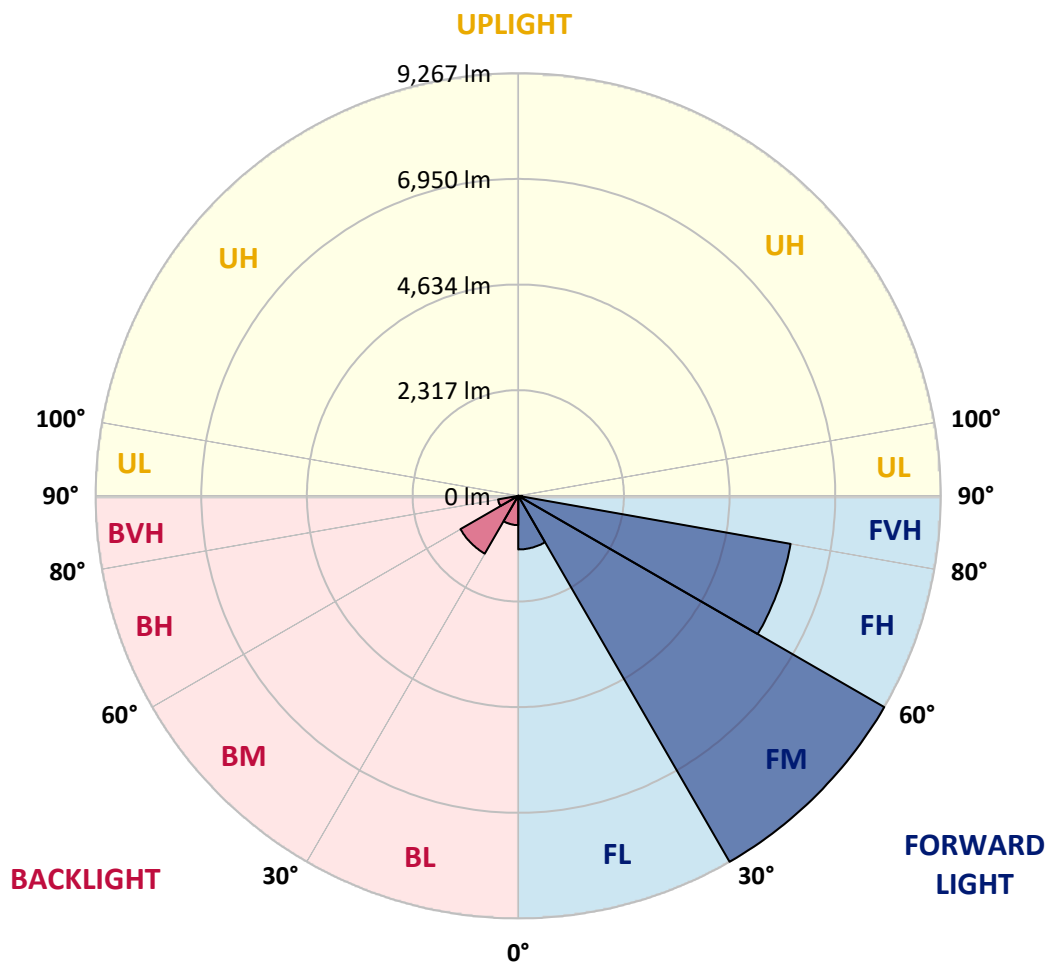
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1176.3	6.1			
FM (30°-60°)	9267.2	48.4			
FH (60°-80°)	6064.0	31.7			G3/7500
FVH (80°-90°)	85.9	0.4			G1/100
BL (0°-30°)	643.1	3.4	B2/1000		
BM (30°-60°)	1464.4	7.6	B2/2500		
BH (60°-80°)	449.6	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°	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9
2.5°	2220.2	2235.6	2231.8	2227.9	2226.6	2229.2	2230.5	2229.2	2229.2	2229.2
5°	2177.8	2190.7	2190.7	2199.7	2212.5	2227.9	2239.5	2242.1	2244.6	2248.5
7.5°	2096.9	2107.2	2114.9	2144.5	2176.6	2217.7	2252.3	2270.3	2272.9	2287.0
10°	2041.7	2054.6	2067.4	2098.2	2144.5	2206.1	2265.2	2308.8	2315.2	2348.6
12.5°	2039.2	2052.0	2068.7	2102.1	2156.0	2221.5	2293.4	2356.3	2367.9	2416.7
15°	2066.1	2081.5	2096.9	2138.0	2195.8	2275.4	2352.5	2430.8	2442.4	2511.7
17.5°	2121.3	2141.9	2153.4	2194.5	2256.2	2344.8	2446.2	2536.1	2546.4	2627.3
20°	2230.5	2254.9	2258.7	2292.1	2352.5	2447.5	2568.2	2679.9	2692.8	2785.2
22.5°	2456.5	2491.2	2460.3	2477.0	2531.0	2626.0	2757.0	2898.2	2916.2	3021.5
25°	2854.6	2903.4	2823.8	2795.5	2818.6	2917.5	3081.9	3260.3	3280.9	3365.6
27.5°	3636.6	3573.7	3453.0	3334.8	3265.5	3322.0	3506.9	3727.8	3753.4	3835.6
30°	4495.7	4440.4	4277.4	4015.4	3851.0	3842.0	4012.8	4259.4	4288.9	4367.2
32.5°	5356.0	5303.4	5126.2	4803.8	4518.8	4377.5	4495.7	4769.2	4784.6	4834.7
35°	6202.2	6148.3	5971.1	5641.1	5290.5	4969.5	4946.4	5254.6	5259.7	5312.4
37.5°	7053.6	7008.7	6819.9	6496.3	6150.9	5707.9	5493.4	5714.3	5720.7	5772.1
40°	7661.0	7680.2	7550.5	7300.1	7003.5	6519.4	6107.2	6203.5	6165.0	6251.0
42.5°	8182.3	8220.9	8107.9	7982.0	7809.9	7383.6	6867.4	6850.7	6789.1	6835.3
45°	8633.1	8665.2	8563.7	8534.2	8530.3	8231.1	7698.2	7598.1	7512.0	7503.0
47.5°	8798.7	8860.3	8904.0	9002.9	9195.5	9069.6	8557.3	8401.9	8305.6	8235.0
50°	8861.6	8927.1	9076.1	9363.7	9819.6	9873.5	9412.5	9237.9	9119.7	8991.3
52.5°	8776.9	8893.7	9094.0	9578.2	10239.5	10518.1	10233.0	10080.2	9945.4	9736.1
55°	8277.4	8394.2	8803.8	9575.6	10448.8	10970.1	11008.6	10940.6	10789.1	10459.1
57.5°	7224.4	7397.7	8046.2	9249.4	10444.9	11359.2	11768.8	11817.6	11648.1	11175.6
60°	5765.6	6000.6	6791.6	8526.5	10122.6	11569.8	12435.3	12679.3	12499.5	11881.8
62.5°	4023.1	4295.3	5044.0	7393.9	9385.5	11418.3	12922.0	13372.7	13236.6	12513.6
65°	2453.9	2541.2	3144.8	5818.3	8132.2	10783.9	13072.2	13747.6	13702.7	12900.1
67.5°	1634.7	1707.9	1881.2	3989.7	6312.7	9516.5	12712.7	13682.2	13695.0	12837.2
70°	984.9	1047.8	1160.8	2320.4	4091.2	7532.6	11599.3	12847.5	12922.0	11996.1
72.5°	405.8	448.2	550.9	1051.7	2118.8	4780.7	9236.6	11030.5	11203.8	10086.7
75°	229.9	251.7	323.6	527.8	919.4	2227.9	5594.9	7830.5	8086.0	6952.2
77.5°	152.8	163.1	209.3	341.6	517.5	760.2	2391.0	4079.6	4567.6	3797.1
80°	102.7	111.7	143.8	228.6	336.4	326.2	761.5	1511.4	1859.4	1304.7
82.5°	69.3	70.6	102.7	150.2	213.2	157.9	224.7	470.0	590.7	377.5
85°	39.8	38.5	75.8	87.3	95.0	65.5	68.1	141.3	184.9	159.2
87.5°	5.1	7.7	29.5	23.1	12.8	14.1	14.1	24.4	36.0	38.5
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°
2227.9	0°	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9
2230.5	2.5°	2230.5	2229.2	2225.4	2221.5	2212.5	2207.4	2209.9	2207.4	2206.1	2207.4
2247.2	5°	2247.2	2243.3	2233.1	2220.2	2202.2	2180.4	2166.3	2145.7	2126.5	2114.9
2292.1	7.5°	2292.1	2288.3	2274.2	2238.2	2180.4	2089.2	2005.8	1932.6	1877.4	1845.3
2364.0	10°	2364.0	2357.6	2335.8	2256.2	2104.7	1905.6	1740.0	1602.6	1512.7	1470.3
2448.8	12.5°	2448.8	2441.1	2402.6	2239.5	1960.8	1650.1	1421.5	1268.7	1185.2	1148.0
2546.4	15°	2549.0	2538.7	2462.9	2159.9	1751.5	1367.6	1158.3	1044.0	990.0	956.7
2670.9	17.5°	2673.5	2655.5	2507.9	2040.4	1524.2	1151.8	996.5	910.4	862.9	830.8
2834.0	20°	2835.3	2805.8	2543.8	1897.9	1314.9	1015.7	887.3	815.4	779.5	751.2
3065.2	22.5°	3061.3	3018.9	2587.5	1743.8	1167.3	922.0	806.4	753.8	724.2	692.1
3387.5	25°	3341.2	3291.2	2641.4	1601.3	1065.8	841.1	747.4	703.7	669.0	631.8
3809.9	27.5°	3732.9	3643.0	2705.6	1484.4	978.5	771.7	693.4	644.6	604.8	574.0
4288.9	30°	4169.5	4021.8	2762.1	1413.8	898.9	707.5	622.8	574.0	536.8	514.9
4719.1	32.5°	4583.0	4382.7	2799.4	1383.0	827.0	634.3	545.7	493.1	464.8	458.4
5140.3	35°	4973.3	4708.8	2795.5	1353.4	762.8	561.2	470.0	416.1	394.2	398.1
5593.6	37.5°	5422.8	5056.8	2768.5	1307.2	710.1	494.4	404.5	357.0	337.7	339.0
6144.5	40°	5945.4	5458.7	2751.8	1219.9	652.3	432.7	350.6	312.0	297.9	292.8
6724.9	42.5°	6502.7	5847.8	2754.4	1121.0	580.4	377.5	313.3	281.2	268.4	264.5
7370.8	45°	7062.6	6218.9	2758.3	1018.3	504.7	335.2	286.4	259.4	251.7	246.5
8025.7	47.5°	7589.1	6534.8	2686.4	907.9	430.2	303.0	264.5	246.5	240.1	233.7
8683.1	50°	8079.6	6745.4	2513.0	779.5	371.1	277.4	247.8	235.0	228.6	222.2
9279.0	52.5°	8461.0	6778.8	2226.6	647.2	330.0	258.1	237.6	226.0	218.3	211.9
9760.5	55°	8630.5	6569.5	1819.6	523.9	297.9	241.4	227.3	215.7	206.7	200.3
10139.3	57.5°	8586.8	6129.0	1418.9	421.2	267.1	224.7	214.4	206.7	196.5	186.2
10446.2	60°	8372.4	5539.6	1069.7	350.6	238.8	206.7	200.3	193.9	179.8	164.4
10564.3	62.5°	8001.3	4798.7	762.8	290.2	208.0	186.2	183.6	178.5	157.9	129.7
10389.7	65°	7433.7	3898.5	513.6	241.4	178.5	163.1	164.4	155.4	128.4	96.3
9750.2	67.5°	6604.2	2850.7	328.7	197.8	149.0	136.1	137.4	132.3	109.1	82.2
8538.0	70°	5547.3	1887.6	214.4	150.2	119.4	105.3	113.0	114.3	92.5	66.8
6552.8	72.5°	4066.8	1114.6	150.2	111.7	87.3	73.2	92.5	95.0	74.5	50.1
3942.2	75°	2317.8	529.1	113.0	80.9	53.9	51.4	71.9	71.9	51.4	33.4
1706.6	77.5°	973.4	220.9	79.6	52.6	30.8	29.5	48.8	44.9	25.7	15.4
416.1	80°	281.2	98.9	42.4	25.7	12.8	11.6	19.3	14.1	6.4	2.6
157.9	82.5°	110.4	43.7	16.7	10.3	5.1	5.1	2.6	0.0	0.0	0.0
89.9	85°	65.5	18.0	7.7	3.9	1.3	0.0	0.0	0.0	0.0	0.0
19.3	87.5°	16.7	3.9	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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2227.9
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