

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: P848677

Luminaire Tested: **GLAN-SB5B-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848677
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-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 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: 18471 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

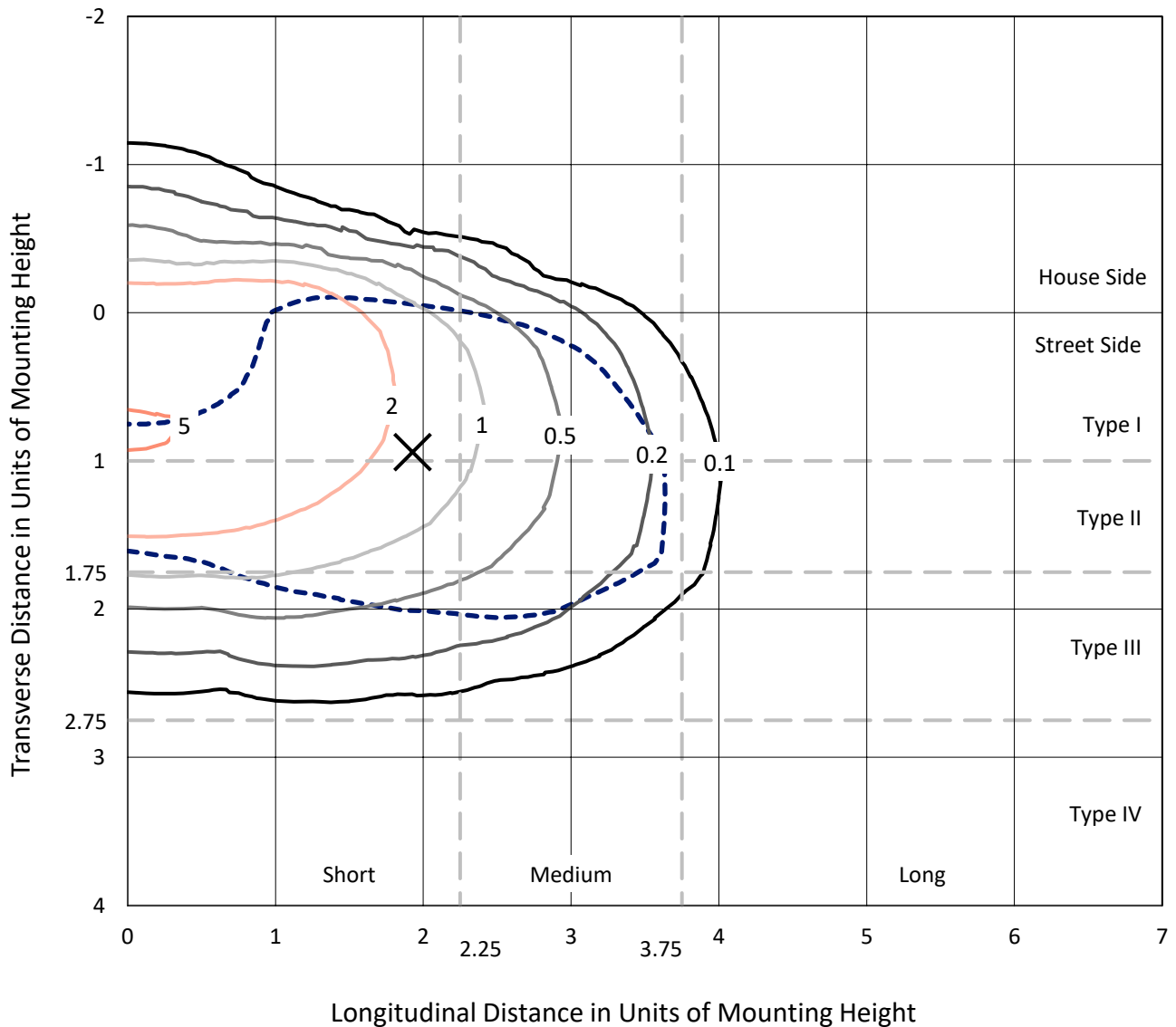
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

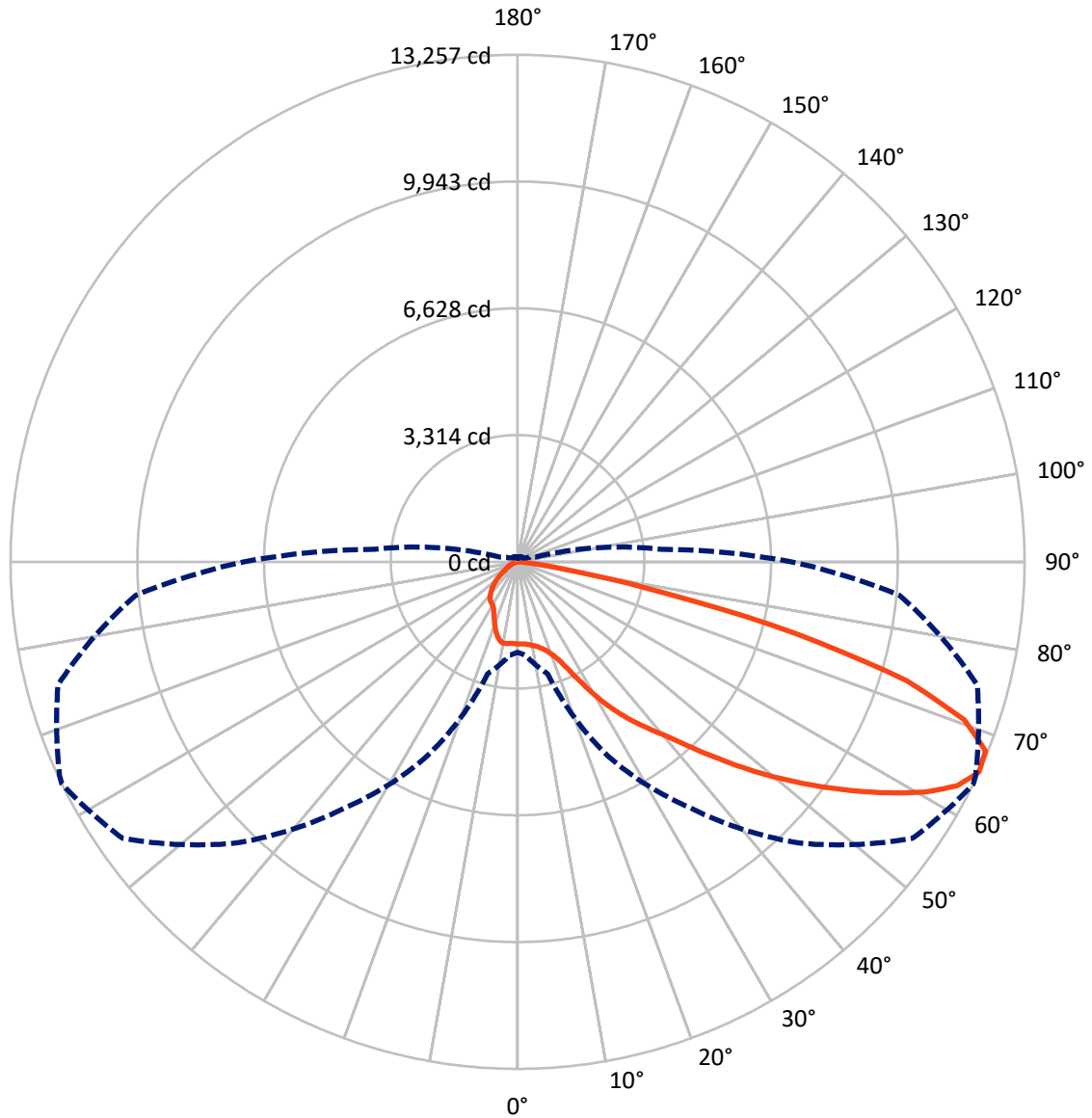
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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	2470.1	0.0	2470.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	16000.9	0.0	16000.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	18471.0	0.0	18471.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.2	1.1
10°-20°	537.6	2.9
20°-30°	1018.7	5.5
30°-40°	2061.4	11.2
40°-50°	3511.6	19.0
50°-60°	4775.5	25.9
60°-70°	4484.4	24.3
70°-80°	1796.6	9.7
80°-90°	87.0	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°	18471.0	100.0
0°-180°	18471.0	100.0

Coefficient of Utilization



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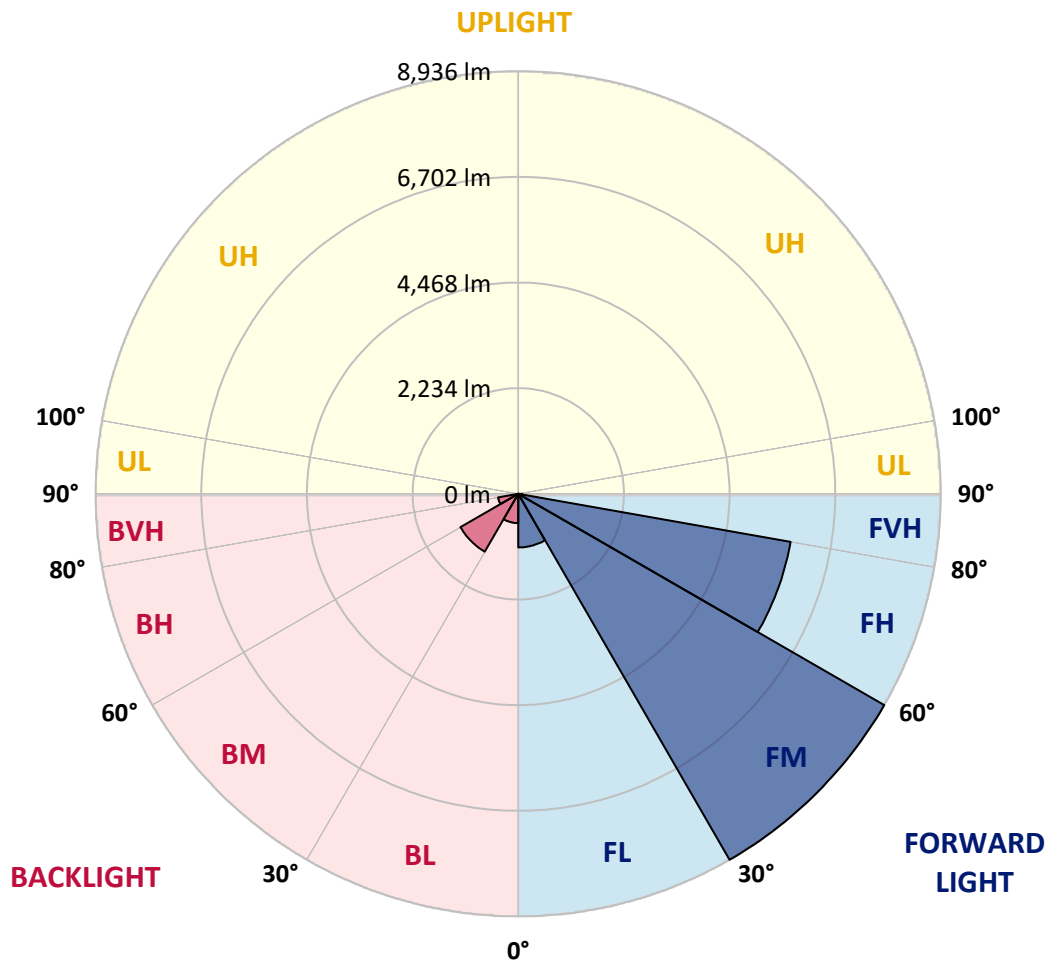
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1134.3	6.1			
FM (30°-60°)	8936.2	48.4			
FH (60°-80°)	5847.5	31.7			G3/7500
FVH (80°-90°)	82.8	0.4			G1/100
BL (0°-30°)	620.2	3.4	B2/1000		
BM (30°-60°)	1412.2	7.6	B2/2500		
BH (60°-80°)	433.6	2.3	B1/500		G1/500
BVH (80°-90°)	4.3	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°	2148.4	2148.4	2148.4	2148.4	2148.4	2148.4	2148.4	2148.4	2148.4	2148.4
2.5°	2140.9	2155.8	2152.1	2148.4	2147.1	2149.6	2150.8	2149.6	2149.6	2149.6
5°	2100.1	2112.5	2112.5	2121.1	2133.5	2148.4	2159.5	2162.0	2164.5	2168.2
7.5°	2022.1	2032.0	2039.4	2067.9	2098.8	2138.5	2171.9	2189.2	2191.7	2205.3
10°	1968.8	1981.2	1993.6	2023.3	2067.9	2127.3	2184.3	2226.4	2232.6	2264.8
12.5°	1966.3	1978.7	1994.8	2027.0	2079.0	2142.2	2211.5	2272.2	2283.3	2330.4
15°	1992.3	2007.2	2022.1	2061.7	2117.4	2194.2	2268.5	2344.0	2355.2	2422.0
17.5°	2045.6	2065.4	2076.6	2116.2	2175.6	2261.1	2358.9	2445.5	2455.5	2533.5
20°	2150.8	2174.4	2178.1	2210.3	2268.5	2360.1	2476.5	2584.2	2596.6	2685.8
22.5°	2368.8	2402.2	2372.5	2388.6	2440.6	2532.2	2658.5	2794.7	2812.1	2913.6
25°	2752.6	2799.7	2722.9	2695.7	2718.0	2813.3	2971.8	3143.9	3163.7	3245.5
27.5°	3506.7	3446.1	3329.7	3215.7	3148.9	3203.4	3381.7	3594.6	3619.4	3698.7
30°	4335.1	4281.9	4124.6	3872.0	3713.5	3704.9	3869.5	4107.3	4135.8	4211.3
32.5°	5164.8	5114.0	4943.1	4632.3	4357.4	4221.2	4335.1	4598.9	4613.7	4662.0
35°	5980.8	5928.8	5757.9	5439.6	5101.6	4792.0	4769.8	5066.9	5071.9	5122.7
37.5°	6801.7	6758.4	6576.4	6264.3	5931.2	5504.0	5297.2	5510.2	5516.4	5565.9
40°	7387.4	7406.0	7280.9	7039.5	6753.4	6286.6	5889.1	5982.0	5944.9	6027.8
42.5°	7890.1	7927.3	7818.3	7697.0	7531.1	7120.0	6622.2	6606.1	6546.6	6591.2
45°	8324.8	8355.7	8257.9	8229.4	8225.7	7937.2	7423.3	7326.7	7243.8	7235.1
47.5°	8484.5	8543.9	8586.0	8681.4	8867.1	8745.8	8251.7	8101.9	8009.0	7940.9
50°	8545.2	8608.3	8752.0	9029.3	9468.9	9520.9	9076.4	8908.0	8794.1	8670.2
52.5°	8463.5	8576.1	8769.3	9236.1	9873.8	10142.5	9867.6	9720.3	9590.3	9388.4
55°	7981.8	8094.5	8489.5	9233.7	10075.7	10578.4	10615.5	10549.9	10403.8	10085.6
57.5°	6966.4	7133.6	7758.9	8919.1	10072.0	10953.6	11348.6	11395.6	11232.2	10776.5
60°	5559.8	5786.4	6549.1	8222.0	9761.1	11156.7	11991.2	12226.5	12053.2	11457.6
62.5°	3879.4	4142.0	4863.9	7129.9	9050.4	11010.5	12460.5	12895.2	12763.9	12066.8
65°	2366.3	2450.5	3032.5	5610.5	7841.9	10398.8	12605.4	13256.7	13213.4	12439.5
67.5°	1576.3	1646.9	1814.0	3847.3	6087.3	9176.7	12258.7	13193.6	13206.0	12378.8
70°	949.7	1010.4	1119.4	2237.5	3945.1	7263.6	11185.1	12388.7	12460.5	11567.8
72.5°	391.3	432.2	531.2	1014.1	2043.1	4610.0	8906.8	10636.6	10803.8	9726.5
75°	221.6	242.7	312.0	508.9	886.6	2148.4	5395.1	7550.9	7797.3	6703.9
77.5°	147.4	157.3	201.8	329.4	499.0	733.0	2305.6	3933.9	4404.5	3661.5
80°	99.1	107.7	138.7	220.4	324.4	314.5	734.3	1457.4	1793.0	1258.1
82.5°	66.9	68.1	99.1	144.9	205.6	152.3	216.7	453.2	569.6	364.0
85°	38.4	37.1	73.1	84.2	91.6	63.2	65.6	136.2	178.3	153.5
87.5°	5.0	7.4	28.5	22.3	12.4	13.6	13.6	23.5	34.7	37.1
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°
2148.4	0°	2148.4	2148.4	2148.4	2148.4	2148.4	2148.4	2148.4	2148.4	2148.4	2148.4
2150.8	2.5°	2150.8	2149.6	2145.9	2142.2	2133.5	2128.6	2131.0	2128.6	2127.3	2128.6
2166.9	5°	2166.9	2163.2	2153.3	2140.9	2123.6	2102.6	2088.9	2069.1	2050.5	2039.4
2210.3	7.5°	2210.3	2206.6	2192.9	2158.3	2102.6	2014.6	1934.2	1863.6	1810.3	1779.4
2279.6	10°	2279.6	2273.4	2252.4	2175.6	2029.5	1837.6	1677.8	1545.3	1458.7	1417.8
2361.3	12.5°	2361.3	2353.9	2316.8	2159.5	1890.8	1591.2	1370.7	1223.4	1142.9	1107.0
2455.5	15°	2457.9	2448.0	2375.0	2082.7	1689.0	1318.7	1116.9	1006.7	954.7	922.5
2575.6	17.5°	2578.0	2560.7	2418.3	1967.6	1469.8	1110.7	960.9	877.9	832.1	801.1
2732.8	20°	2734.1	2705.6	2453.0	1830.1	1268.0	979.5	855.6	786.3	751.6	724.4
2955.7	22.5°	2952.0	2911.1	2495.1	1681.5	1125.6	889.1	777.6	726.9	698.4	667.4
3266.5	25°	3221.9	3173.6	2547.1	1544.1	1027.8	811.1	720.7	678.6	645.1	609.2
3673.9	27.5°	3599.6	3512.9	2609.0	1431.4	943.5	744.2	668.7	621.6	583.2	553.5
4135.8	30°	4020.6	3878.2	2663.5	1363.3	866.8	682.3	600.6	553.5	517.6	496.5
4550.6	32.5°	4419.3	4226.2	2699.4	1333.6	797.4	611.7	526.3	475.5	448.2	442.1
4956.7	35°	4795.8	4540.7	2695.7	1305.1	735.5	541.1	453.2	401.2	380.1	383.9
5393.8	37.5°	5229.1	4876.2	2669.7	1260.5	684.8	476.7	390.0	344.2	325.7	326.9
5925.0	40°	5733.1	5263.8	2653.6	1176.3	629.0	417.3	338.0	300.9	287.3	282.3
6484.7	42.5°	6270.5	5639.0	2656.1	1081.0	559.7	364.0	302.1	271.2	258.8	255.1
7107.6	45°	6810.4	5996.9	2659.8	981.9	486.6	323.2	276.1	250.1	242.7	237.7
7739.1	47.5°	7318.1	6301.5	2590.4	875.4	414.8	292.2	255.1	237.7	231.6	225.4
8373.1	50°	7791.1	6504.5	2423.3	751.6	357.9	267.5	239.0	226.6	220.4	214.2
8947.6	52.5°	8158.8	6536.7	2147.1	624.1	318.2	248.9	229.1	217.9	210.5	204.3
9412.0	55°	8322.3	6334.9	1754.6	505.2	287.3	232.8	219.2	208.0	199.4	193.2
9777.2	57.5°	8280.2	5910.2	1368.3	406.1	257.6	216.7	206.8	199.4	189.5	179.5
10073.2	60°	8073.4	5341.8	1031.5	338.0	230.3	199.4	193.2	187.0	173.4	158.5
10187.1	62.5°	7715.6	4627.4	735.5	279.8	200.6	179.5	177.1	172.1	152.3	125.1
10018.7	65°	7168.2	3759.3	495.3	232.8	172.1	157.3	158.5	149.8	123.8	92.9
9402.1	67.5°	6368.3	2748.9	317.0	190.7	143.6	131.3	132.5	127.5	105.3	79.2
8233.1	70°	5349.3	1820.2	206.8	144.9	115.2	101.5	109.0	110.2	89.2	64.4
6318.8	72.5°	3921.5	1074.8	144.9	107.7	84.2	70.6	89.2	91.6	71.8	48.3
3801.4	75°	2235.0	510.2	109.0	78.0	52.0	49.5	69.3	69.3	49.5	32.2
1645.6	77.5°	938.6	213.0	76.8	50.8	29.7	28.5	47.1	43.3	24.8	14.9
401.2	80°	271.2	95.3	40.9	24.8	12.4	11.1	18.6	13.6	6.2	2.5
152.3	82.5°	106.5	42.1	16.1	9.9	5.0	5.0	2.5	0.0	0.0	0.0
86.7	85°	63.2	17.3	7.4	3.7	1.2	0.0	0.0	0.0	0.0	0.0
18.6	87.5°	16.1	3.7	2.5	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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<u>180°</u>
2148.4
2133.5
2041.9
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605.5
547.3
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445.8
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