

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: P846138

Luminaire Tested: **GLAN-SB1C-840-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-840-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6667 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

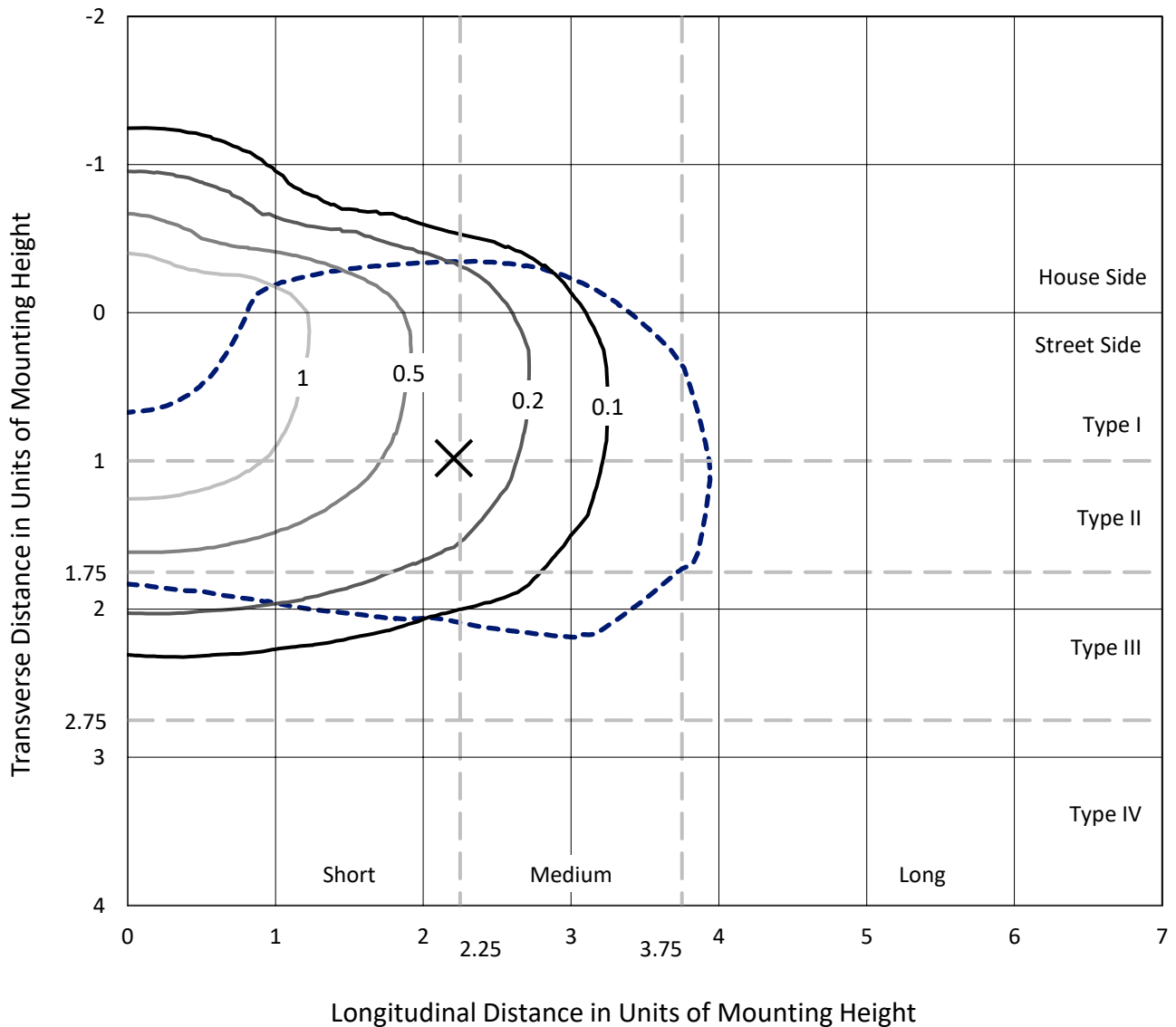
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

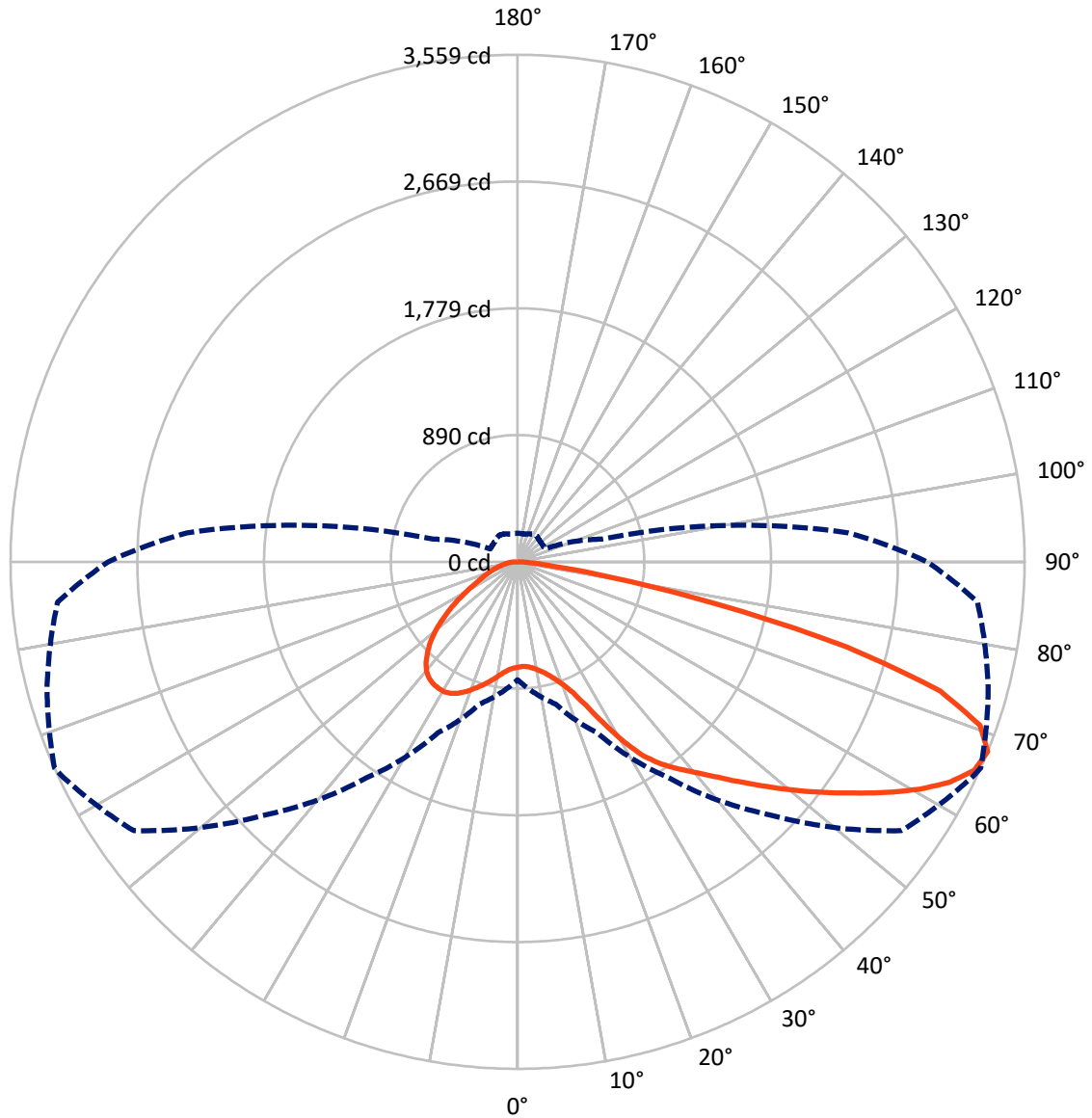
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1657.7	0.0	1657.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	5009.3	0.0	5009.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	6667.0	0.0	6667.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	1.1
10°-20°	242.2	3.6
20°-30°	466.9	7.0
30°-40°	818.6	12.3
40°-50°	1217.0	18.3
50°-60°	1542.6	23.1
60°-70°	1509.4	22.6
70°-80°	720.0	10.8
80°-90°	76.9	1.2
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°	6667.0	100.0
0°-180°	6667.0	100.0

Coefficient of Utilization



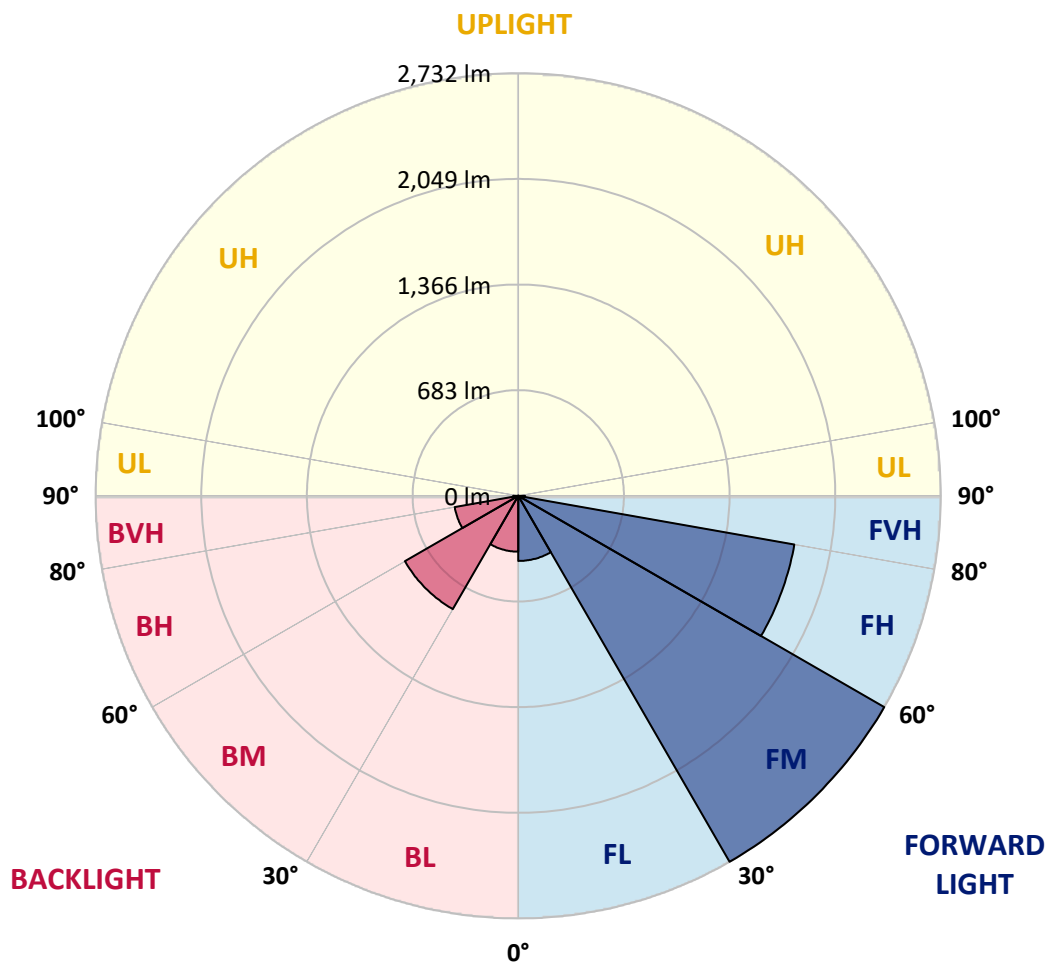
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.3	6.3			
FM (30°-60°)	2732.1	41.0			
FH (60°-80°)	1812.3	27.2			G2/5000
FVH (80°-90°)	43.6	0.7			G1/100
BL (0°-30°)	361.1	5.4	B1/500		
BM (30°-60°)	846.1	12.7	B1/1000		
BH (60°-80°)	417.2	6.3	B1/500		G1/500
BVH (80°-90°)	33.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5
2.5°	731.8	736.0	734.9	733.2	732.8	733.5	734.6	735.6	735.3	737.0
5°	729.7	733.9	733.5	733.5	734.9	737.7	739.5	741.2	739.5	741.6
7.5°	731.1	734.2	735.6	737.0	740.5	745.8	750.0	753.8	751.7	754.2
10°	748.9	751.4	752.8	752.8	755.2	761.2	765.4	772.4	770.6	774.5
12.5°	781.5	783.9	783.9	782.5	784.3	788.1	789.5	797.3	794.1	800.4
15°	821.4	826.3	822.5	820.0	820.7	824.6	824.2	830.2	827.0	832.3
17.5°	865.6	871.9	865.6	865.2	863.8	868.0	868.4	873.6	868.0	871.9
20°	917.8	926.5	921.3	923.0	919.9	921.6	923.4	931.1	922.3	925.1
22.5°	991.3	1001.8	996.2	1002.9	1000.8	999.4	999.0	1012.7	999.0	1000.1
25°	1098.5	1111.1	1101.3	1110.4	1110.4	1115.0	1120.2	1137.7	1115.0	1108.3
27.5°	1256.8	1269.4	1250.2	1255.8	1254.0	1265.2	1259.6	1303.1	1278.6	1267.7
30°	1447.4	1469.8	1433.4	1432.0	1430.2	1448.1	1456.1	1484.9	1460.0	1449.1
32.5°	1653.4	1676.8	1633.4	1620.8	1614.1	1625.0	1618.3	1641.5	1624.3	1607.5
35°	1871.2	1894.4	1853.0	1828.5	1801.9	1779.1	1755.3	1761.2	1745.1	1719.6
37.5°	2077.2	2119.6	2075.8	2049.5	2000.5	1956.0	1889.5	1861.8	1846.7	1823.3
40°	2287.0	2311.2	2277.9	2255.5	2202.3	2132.6	2026.1	1967.6	1947.3	1924.5
42.5°	2441.5	2464.6	2446.8	2431.4	2389.7	2308.7	2171.1	2097.9	2068.5	2042.9
45°	2564.1	2581.3	2570.1	2575.7	2557.8	2479.3	2321.4	2237.6	2207.2	2176.0
47.5°	2613.5	2631.7	2649.6	2682.9	2713.3	2655.5	2482.8	2389.0	2356.7	2324.9
50°	2607.9	2626.5	2678.3	2749.1	2843.6	2824.4	2653.1	2550.1	2520.3	2483.9
52.5°	2563.1	2584.1	2650.6	2768.3	2919.0	2950.8	2826.5	2716.5	2688.5	2645.0
55°	2445.4	2458.0	2557.8	2724.5	2936.8	3039.1	2996.4	2893.7	2865.7	2805.1
57.5°	2227.1	2245.3	2390.7	2606.5	2892.0	3099.0	3145.6	3080.1	3053.1	2965.9
60°	1942.3	1971.4	2137.8	2408.2	2777.8	3098.6	3281.1	3263.3	3240.9	3124.2
62.5°	1620.1	1653.7	1813.8	2128.0	2578.1	3010.7	3365.9	3416.7	3405.2	3270.3
65°	1244.2	1267.3	1426.7	1765.5	2267.4	2821.9	3375.7	3521.4	3523.5	3381.3
67.5°	828.4	895.0	1033.4	1324.8	1851.3	2513.3	3289.6	3538.6	3558.9	3419.5
70°	404.2	491.8	627.4	861.0	1324.8	2040.1	3064.3	3397.8	3443.0	3308.1
72.5°	167.8	196.2	270.1	424.9	760.5	1376.6	2611.7	3016.0	3099.7	2931.2
75°	113.1	122.6	154.5	217.9	346.4	678.9	1883.5	2248.9	2383.7	2213.8
77.5°	87.2	93.2	112.4	152.4	206.0	256.8	1008.1	1355.3	1425.0	1319.2
80°	68.7	73.2	84.1	111.0	146.1	137.3	343.6	614.1	654.3	548.9
82.5°	59.5	61.3	60.2	75.3	97.0	80.2	112.8	226.6	250.1	181.4
85°	43.1	48.0	50.1	46.6	51.5	40.6	46.2	80.2	88.3	78.8
87.5°	17.5	25.9	31.9	30.1	18.9	11.6	14.4	23.5	27.0	29.4
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°
739.5	0°	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5
739.8	2.5°	740.2	742.6	744.4	746.5	747.9	750.0	754.2	756.6	757.0	758.7
745.4	5°	746.8	750.3	754.2	759.8	766.1	771.3	779.4	785.0	787.1	788.8
759.1	7.5°	761.2	766.1	773.1	782.9	792.0	799.0	808.8	815.5	822.1	824.6
780.8	10°	782.5	789.5	799.7	813.0	822.8	831.9	842.1	847.7	854.4	857.2
806.7	12.5°	809.2	816.5	829.8	848.4	857.5	863.8	867.3	865.9	867.3	869.8
837.9	15°	839.6	847.7	862.8	882.7	889.0	883.4	875.7	868.7	867.7	868.4
875.7	17.5°	875.7	881.7	899.2	916.0	911.4	888.3	871.5	860.3	854.7	853.0
924.1	20°	926.2	926.2	940.5	951.0	920.6	881.3	855.1	836.8	825.3	820.4
989.9	22.5°	987.5	981.9	991.0	983.6	918.8	861.7	825.3	793.8	776.2	769.2
1082.0	25°	1065.2	1058.6	1056.1	1010.6	906.2	830.5	771.3	733.2	717.7	713.9
1214.8	27.5°	1182.6	1165.8	1133.9	1025.3	883.1	781.5	708.3	672.9	664.1	664.5
1385.4	30°	1338.8	1305.2	1227.1	1027.7	845.2	712.1	643.8	618.6	614.4	616.2
1528.7	32.5°	1483.5	1451.6	1322.3	1016.5	787.1	644.2	586.0	569.2	562.9	565.0
1637.9	35°	1597.0	1588.2	1410.6	1000.8	715.6	580.4	534.2	519.8	507.6	504.8
1740.9	37.5°	1704.2	1700.6	1476.8	978.7	644.9	535.2	492.5	473.6	455.7	445.9
1854.8	40°	1821.8	1818.3	1520.3	944.7	582.2	496.0	455.0	430.2	408.1	390.2
1983.7	42.5°	1954.3	1933.6	1540.9	896.0	528.9	462.7	424.5	390.9	361.8	345.4
2129.4	45°	2098.9	2052.3	1540.6	834.0	484.1	432.3	392.0	344.3	317.4	301.9
2279.0	47.5°	2252.4	2165.8	1521.7	765.4	440.7	398.6	341.5	305.1	287.2	277.8
2441.5	50°	2410.7	2272.0	1489.4	686.6	396.2	360.4	310.0	285.1	271.5	262.7
2602.6	52.5°	2559.6	2368.3	1450.5	597.2	351.0	323.3	296.0	276.7	262.4	252.6
2758.9	55°	2697.9	2451.3	1395.5	505.8	314.2	298.4	289.3	273.2	256.8	245.2
2917.6	57.5°	2820.9	2505.3	1300.6	420.0	287.9	281.3	282.3	267.3	248.4	238.5
3073.8	60°	2923.2	2544.8	1160.2	340.5	266.6	264.5	271.5	256.1	234.0	222.8
3205.8	62.5°	2984.5	2544.1	987.8	278.8	248.4	249.1	257.1	242.0	219.6	209.1
3274.8	65°	2979.2	2481.8	798.7	238.5	230.8	231.5	242.0	226.6	207.7	201.4
3240.2	67.5°	2873.8	2329.8	612.7	212.3	211.6	214.7	227.0	216.1	200.4	199.7
3033.5	70°	2588.3	2014.2	441.4	191.3	191.6	196.2	212.3	209.5	196.5	197.9
2550.4	72.5°	2075.5	1535.7	296.3	169.2	169.5	176.9	198.3	204.2	192.7	211.2
1809.6	75°	1382.2	957.7	190.6	145.7	146.1	155.5	186.0	194.1	182.1	210.5
941.6	77.5°	664.1	430.5	138.0	122.6	122.6	131.4	160.8	173.7	155.2	163.6
302.6	80°	229.4	161.8	108.6	98.8	96.7	102.6	135.6	150.6	133.8	123.3
98.8	82.5°	90.4	84.1	87.2	76.7	69.7	73.6	105.4	124.4	98.4	89.0
55.7	85°	51.8	54.6	61.7	50.8	40.3	45.2	77.4	89.3	74.3	65.5
18.2	87.5°	14.0	19.3	28.4	26.3	18.2	19.3	36.8	49.4	42.7	32.9
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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739.5
758.4
788.5
824.9
858.6
870.5
870.8
855.4
819.3
768.2
714.6
665.5
622.1
567.8
506.9
446.3
392.0
346.4
301.2
275.7
259.6
248.4
240.6
232.2
217.9
206.0
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212.3
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115.6
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