

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: P849905

Luminaire Tested: **GLAN-SB7A-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15716 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

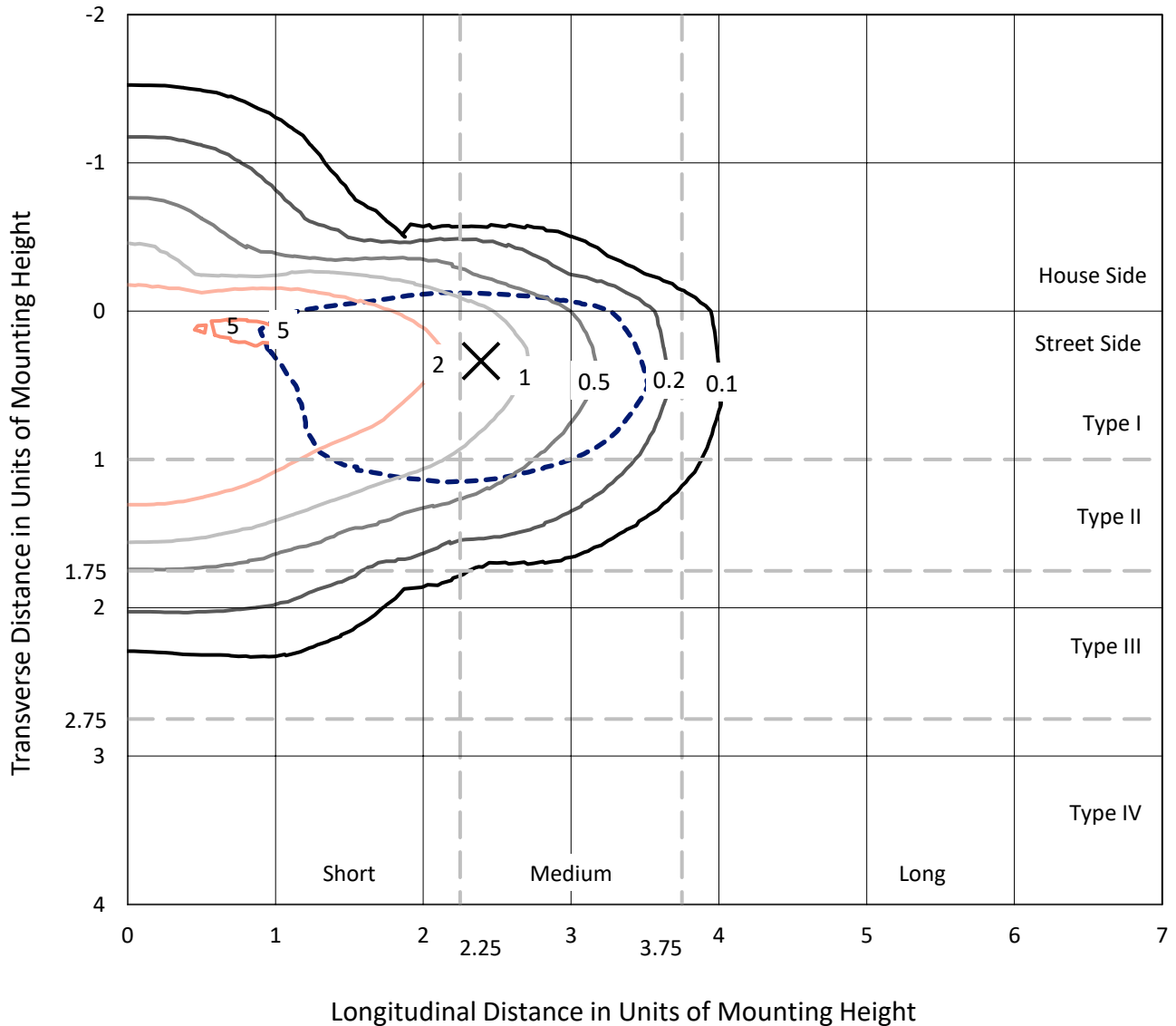
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

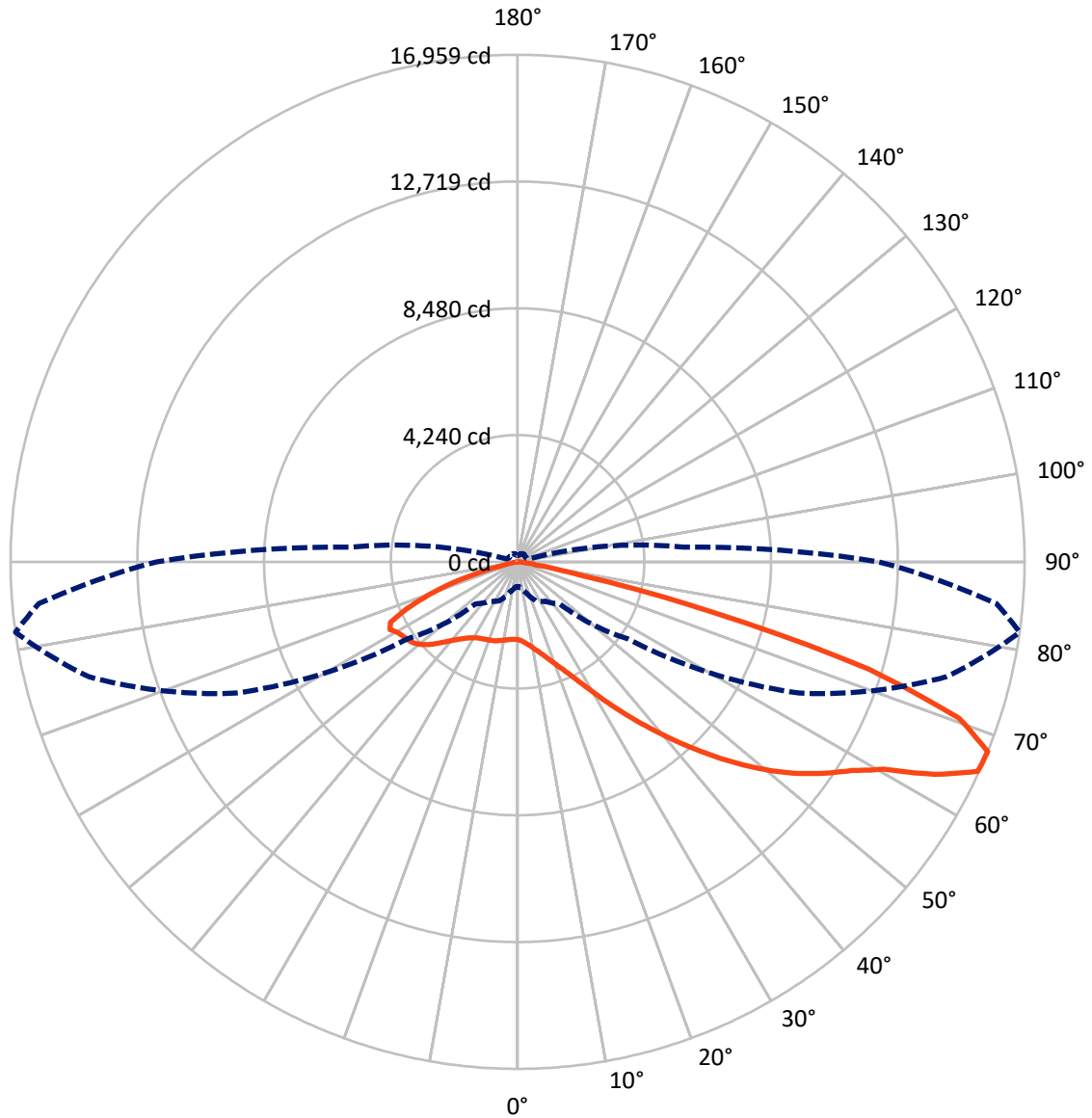
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2846.8	0.0	2846.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	12869.2	0.0	12869.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	15716.0	0.0	15716.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.0	1.5
10°-20°	602.8	3.8
20°-30°	965.5	6.1
30°-40°	1707.2	10.9
40°-50°	2991.2	19.0
50°-60°	3989.4	25.4
60°-70°	3714.0	23.6
70°-80°	1425.4	9.1
80°-90°	88.5	0.6
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°	15716.0	100.0
0°-180°	15716.0	100.0

Coefficient of Utilization

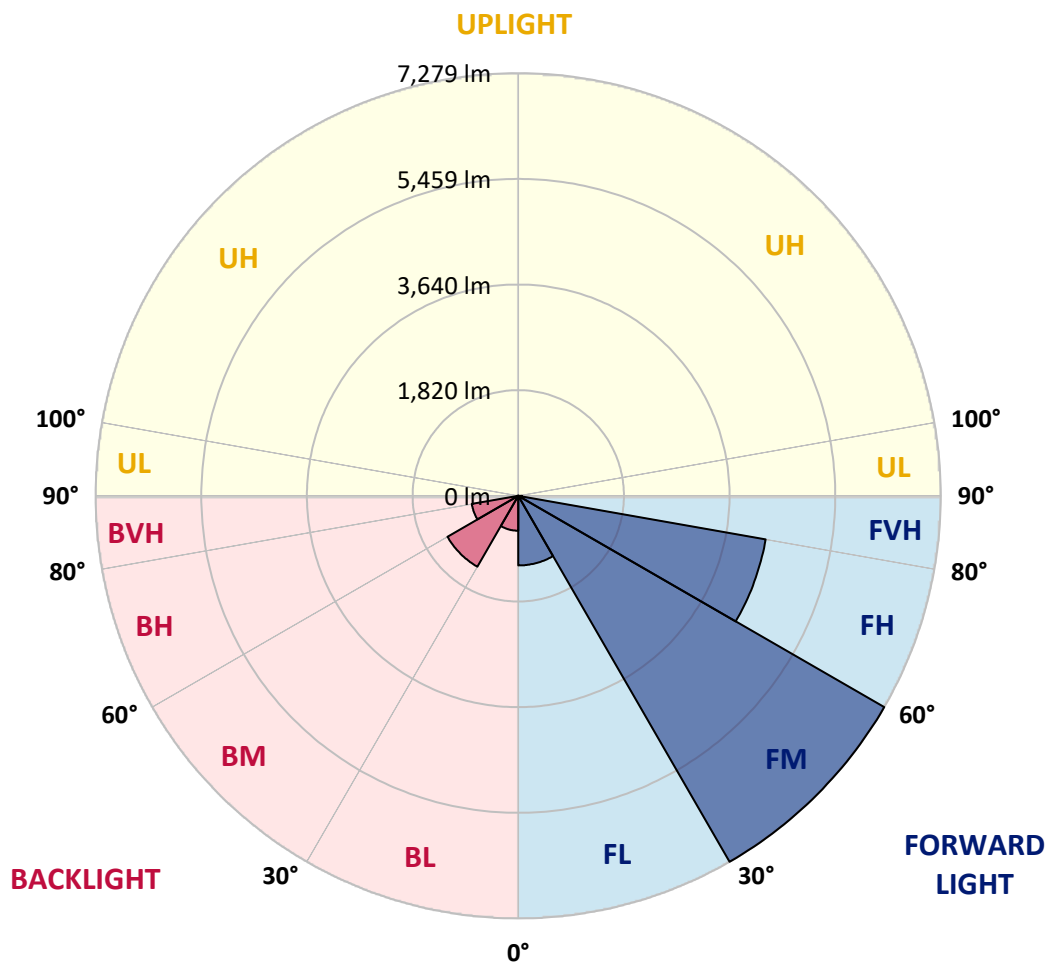


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1199.0	7.6			
FM (30°-60°)	7279.0	46.3			
FH (60°-80°)	4326.9	27.5			G2/5000
FVH (80°-90°)	64.4	0.4			G1/100
BL (0°-30°)	601.2	3.8	B2/1000		
BM (30°-60°)	1408.9	9.0	B2/2500		
BH (60°-80°)	812.5	5.2	B2/1000		G2/1000
BVH (80°-90°)	24.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2603.6	2603.6	2603.6	2603.6	2603.6	2603.6	2603.6	2603.6	2603.6	2603.6
2.5°	2751.8	2767.7	2758.6	2754.1	2746.2	2734.9	2725.8	2697.5	2668.1	2648.9
5°	2807.3	2823.1	2822.0	2826.5	2832.2	2835.6	2833.3	2801.6	2759.8	2726.9
7.5°	2759.8	2777.9	2792.6	2815.2	2854.8	2896.7	2917.0	2910.2	2867.3	2822.0
10°	2625.1	2644.3	2679.4	2732.6	2816.3	2906.9	2982.7	3017.7	2990.6	2940.8
12.5°	2378.4	2397.7	2466.7	2582.1	2722.4	2879.7	3024.5	3118.4	3125.2	3075.4
15°	2101.2	2120.5	2194.0	2338.8	2552.7	2805.0	3047.2	3224.8	3284.8	3241.8
17.5°	1929.2	1946.2	2001.6	2118.2	2341.1	2655.7	3039.2	3338.0	3474.9	3440.9
20°	1877.2	1891.9	1917.9	1999.4	2184.9	2500.6	2987.2	3444.3	3679.7	3660.4
22.5°	1932.6	1946.2	1954.1	1990.3	2106.9	2398.8	2921.6	3552.9	3917.3	3919.6
25°	2060.5	2074.1	2065.0	2087.6	2138.6	2367.1	2896.7	3680.8	4216.0	4240.9
27.5°	2270.9	2272.1	2250.6	2249.4	2257.4	2414.6	2922.7	3817.7	4592.8	4639.2
30°	2693.0	2676.0	2593.4	2504.0	2463.3	2557.2	2995.1	3979.5	5037.5	5120.1
32.5°	3343.6	3318.7	3167.1	2953.2	2738.3	2786.9	3125.2	4164.0	5521.8	5671.1
35°	4049.7	4042.9	3884.5	3566.5	3190.9	3113.9	3336.8	4406.1	6050.2	6287.8
37.5°	4706.0	4702.6	4612.0	4237.5	3780.4	3569.9	3676.3	4722.9	6616.0	6959.9
40°	5305.7	5315.8	5225.3	4890.4	4429.9	4154.9	4137.9	5114.4	7245.1	7692.0
42.5°	5823.9	5835.2	5743.6	5495.8	5071.4	4802.1	4704.8	5594.2	7859.5	8478.4
45°	6175.8	6245.9	6232.4	6034.4	5730.0	5450.5	5386.0	6196.2	8559.9	9312.3
47.5°	6275.4	6339.9	6441.7	6468.9	6283.3	6008.3	6085.3	6921.5	9268.2	10147.4
50°	6029.8	6089.8	6301.4	6583.1	6712.1	6627.3	6765.3	7698.8	9993.5	10980.2
52.5°	5545.5	5606.6	5873.7	6319.5	6845.6	7112.7	7447.6	8464.8	10696.2	11768.9
55°	4845.1	4909.6	5252.5	5757.1	6591.1	7313.0	8016.8	9229.7	11340.0	12478.3
57.5°	3892.4	3939.9	4296.4	5002.4	5950.6	7113.8	8436.6	10064.8	11946.5	13175.3
60°	2536.9	2578.7	2992.8	3780.4	4889.3	6448.5	8520.3	10996.0	12752.1	14081.7
62.5°	1687.1	1715.4	1960.9	2539.1	3443.2	5171.0	8030.3	11739.4	13933.4	15659.0
65°	1157.5	1185.8	1431.4	1834.2	2224.6	3420.6	6621.6	11641.0	15003.9	16911.6
67.5°	826.0	849.8	1058.0	1438.2	1610.1	1986.9	4488.7	10382.8	14850.0	16959.1
70°	591.8	605.4	777.3	1120.2	1279.7	1193.7	2496.1	7941.0	13002.2	15660.1
72.5°	414.1	418.7	539.7	853.2	1030.8	871.3	1188.1	5294.3	9834.0	12291.6
75°	280.6	286.3	363.2	625.7	827.1	665.3	629.1	2839.0	5773.0	6803.8
77.5°	172.0	174.3	234.2	427.7	618.9	506.9	405.1	1202.8	2233.6	2192.9
80°	97.3	97.3	149.4	265.9	422.1	327.0	284.0	511.4	707.2	621.2
82.5°	54.3	55.4	108.6	165.2	279.5	193.5	156.1	236.5	305.5	270.4
85°	22.6	24.9	66.8	78.1	133.5	96.2	63.4	99.6	113.2	100.7
87.5°	2.3	3.4	20.4	14.7	15.8	19.2	9.1	19.2	15.8	15.8
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°
2603.6	0°	2603.6	2603.6	2603.6	2603.6	2603.6	2603.6	2603.6	2603.6	2603.6	2603.6
2642.1	2.5°	2620.6	2603.6	2560.6	2510.8	2445.2	2413.5	2370.5	2341.1	2316.2	2318.5
2707.7	5°	2671.5	2628.5	2532.3	2412.4	2263.0	2156.7	2043.5	1965.4	1902.1	1888.5
2798.2	7.5°	2741.7	2673.8	2505.2	2289.0	2036.7	1845.5	1674.6	1564.9	1486.8	1461.9
2908.0	10°	2832.2	2733.7	2470.1	2134.0	1770.8	1527.5	1344.2	1258.2	1205.1	1187.0
3037.0	12.5°	2937.4	2802.8	2423.7	1945.1	1497.0	1262.8	1146.2	1103.2	1086.3	1080.6
3195.4	15°	3069.8	2888.8	2353.5	1721.0	1265.0	1101.0	1051.2	1045.5	1047.8	1045.5
3385.5	17.5°	3227.1	2982.7	2239.3	1490.2	1108.9	1018.4	1000.3	1004.8	1010.4	1009.3
3598.2	20°	3399.1	3075.4	2093.3	1285.4	1002.5	959.5	949.3	953.9	958.4	956.1
3843.7	22.5°	3594.8	3175.0	1931.5	1125.9	931.2	905.2	893.9	895.0	895.0	890.5
4154.9	25°	3829.0	3284.8	1761.8	1012.7	876.9	856.6	843.0	838.5	831.7	818.1
4532.8	27.5°	4108.5	3401.3	1598.8	933.5	833.9	814.7	798.8	787.5	770.6	747.9
4986.6	30°	4423.1	3542.8	1460.8	883.7	800.0	780.7	762.6	745.7	720.8	692.5
5508.2	32.5°	4793.1	3694.4	1360.1	850.9	769.4	749.1	727.6	707.2	680.0	651.8
6094.3	35°	5234.4	3877.7	1301.2	828.3	745.7	718.5	694.7	672.1	651.8	626.9
6731.4	37.5°	5713.0	4072.3	1283.1	817.0	729.8	688.0	660.8	645.0	642.7	628.0
7420.5	40°	6236.9	4303.1	1296.7	810.2	712.9	658.5	629.1	625.7	631.4	605.4
8157.1	42.5°	6791.3	4577.0	1319.3	802.2	689.1	629.1	600.8	600.8	596.3	560.1
8935.6	45°	7391.0	4892.7	1342.0	783.0	660.8	599.7	578.2	570.3	551.0	516.0
9718.6	47.5°	7995.3	5214.0	1358.9	747.9	626.9	574.8	555.6	537.5	509.2	477.5
10486.9	50°	8568.9	5502.5	1340.8	695.9	588.4	551.0	530.7	505.8	475.2	453.7
11214.4	52.5°	9081.5	5752.6	1263.9	634.8	547.7	526.2	508.0	482.0	457.1	434.5
11870.7	55°	9527.3	5955.1	1128.1	577.1	511.4	504.7	486.6	453.7	419.8	400.6
12521.3	57.5°	9955.0	6109.0	958.4	529.5	478.6	480.9	453.7	424.3	392.6	372.3
13398.2	60°	10524.2	6315.0	786.4	485.4	443.6	450.3	420.9	399.4	359.8	333.8
14902.0	62.5°	11433.9	6635.2	624.6	431.1	402.8	405.1	392.6	366.6	319.1	288.5
16016.6	65°	12155.8	6517.5	492.2	372.3	356.4	359.8	359.8	331.5	280.6	245.5
16076.5	67.5°	12074.4	5580.6	392.6	314.6	312.3	314.6	322.5	298.7	248.9	220.6
14852.2	70°	11122.8	4438.9	314.6	261.4	271.6	265.9	288.5	272.7	224.0	195.8
11514.3	72.5°	9075.9	3197.7	239.9	216.1	208.2	217.3	260.2	245.5	186.7	155.0
6098.9	75°	5303.4	1706.3	178.8	170.9	150.5	181.0	230.8	209.3	142.6	114.3
1869.3	77.5°	1726.7	595.2	131.3	125.6	112.0	146.0	196.9	176.5	116.5	90.5
547.7	80°	462.8	179.9	89.4	82.6	72.4	108.6	156.1	140.3	83.7	58.8
235.4	82.5°	185.6	75.8	52.0	46.4	39.6	74.7	123.3	113.2	62.2	37.3
73.5	85°	60.0	24.9	19.2	14.7	18.1	46.4	73.5	76.9	44.1	19.2
11.3	87.5°	7.9	3.4	3.4	4.5	3.4	7.9	22.6	21.5	12.4	2.3
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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2603.6
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