

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: P848717

Luminaire Tested: **GLAN-SB5B-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848717
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-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 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: 15050 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

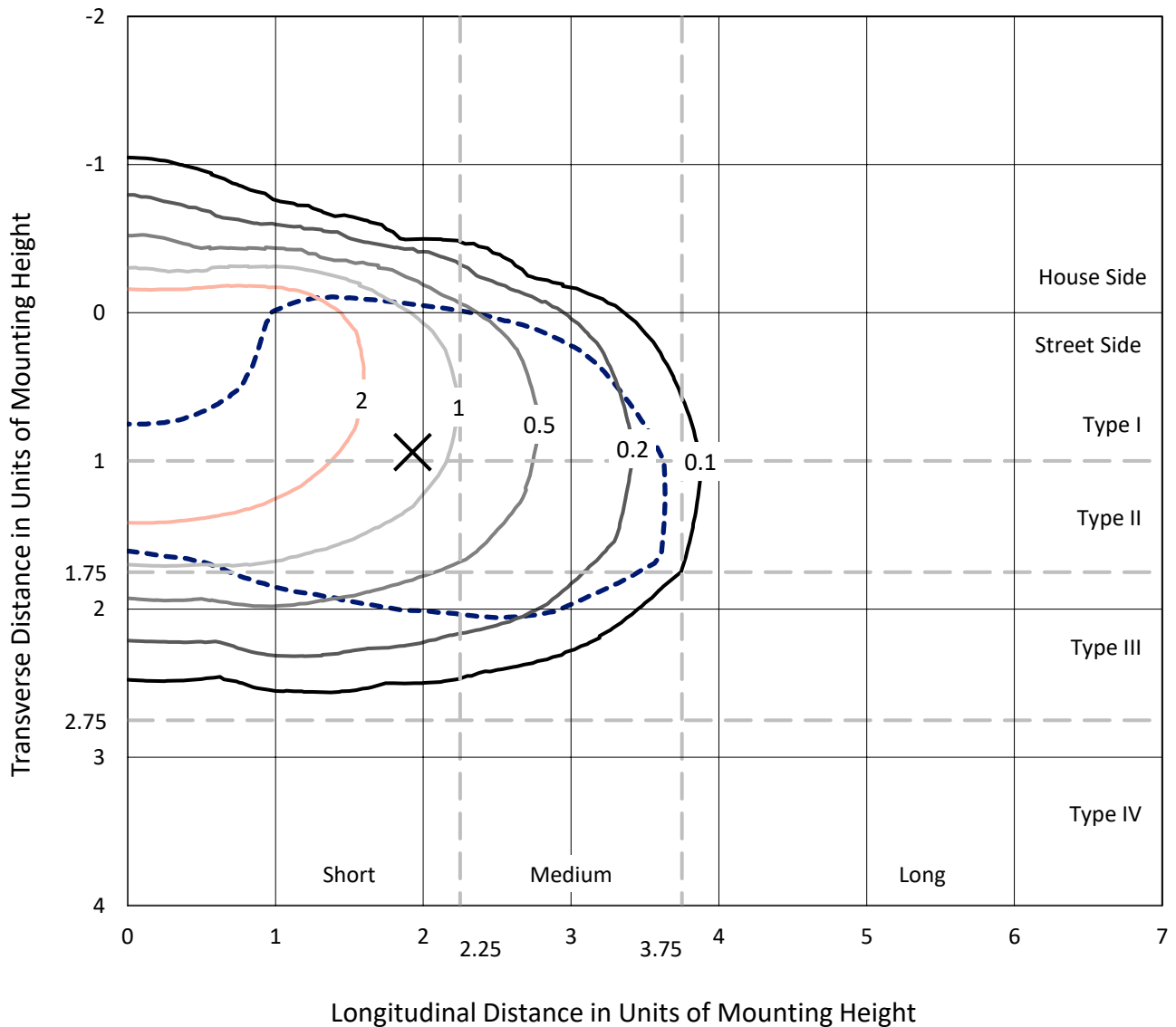
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848717
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Iso-Footcandle Lines of Horizontal Illumination

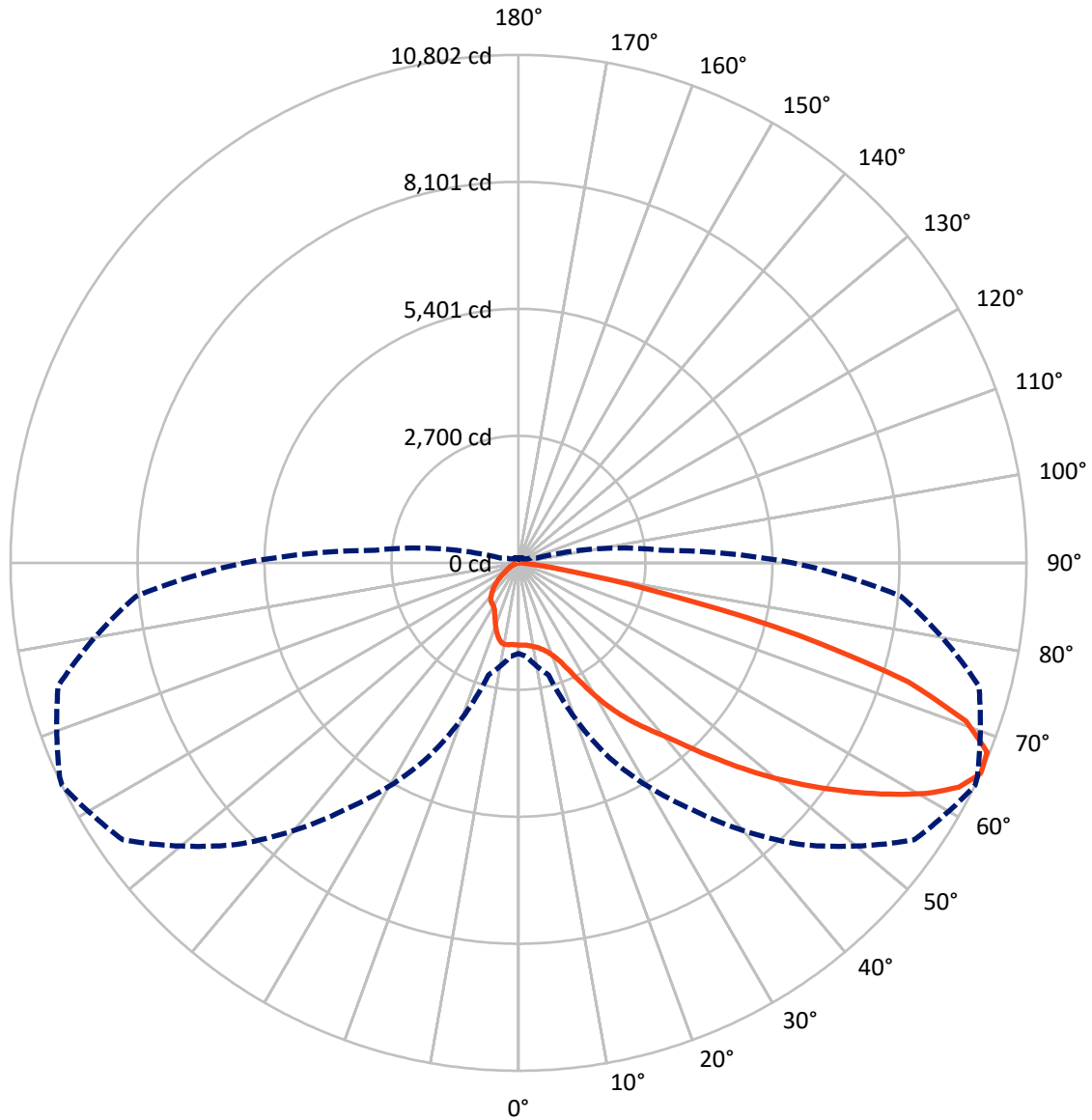
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Short - N/A

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CATALOG NUMBER: GLAN-SB5B-930-U-T3-HSS

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	2012.6	0.0	2012.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	13037.4	0.0	13037.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	15050.0	0.0	15050.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.5	1.1
10°-20°	438.0	2.9
20°-30°	830.0	5.5
30°-40°	1679.6	11.2
40°-50°	2861.2	19.0
50°-60°	3891.0	25.9
60°-70°	3653.8	24.3
70°-80°	1463.9	9.7
80°-90°	70.9	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°	15050.0	100.0
0°-180°	15050.0	100.0

Coefficient of Utilization



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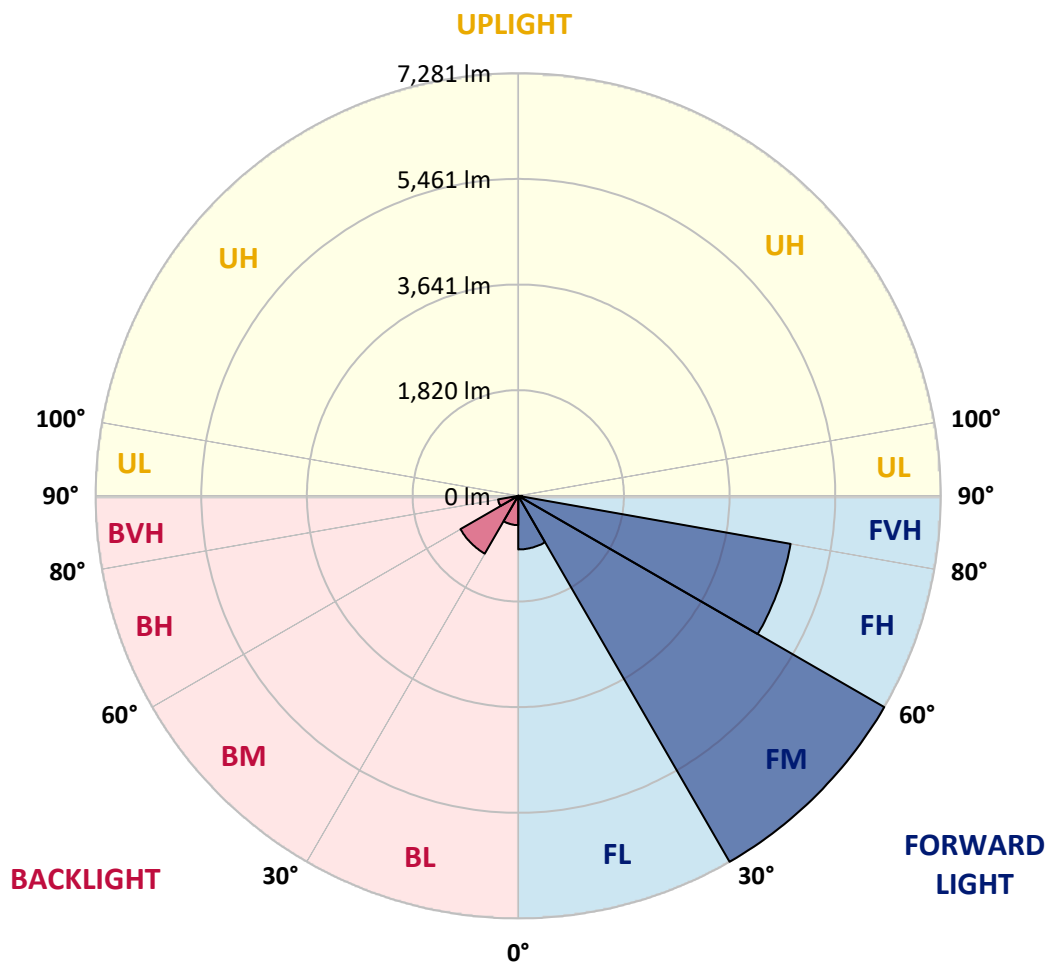
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	924.2	6.1			
FM (30°-60°)	7281.2	48.4			
FH (60°-80°)	4764.5	31.7			G2/5000
FVH (80°-90°)	67.5	0.4			G1/100
BL (0°-30°)	505.3	3.4	B2/1000		
BM (30°-60°)	1150.6	7.6	B2/2500		
BH (60°-80°)	353.2	2.3	B1/500		G1/500
BVH (80°-90°)	3.5	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-G2

Type III Short



REPORT NUMBER: P848717
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1750.5	1750.5	1750.5	1750.5	1750.5	1750.5	1750.5	1750.5	1750.5	1750.5
2.5°	1744.4	1756.5	1753.5	1750.5	1749.5	1751.5	1752.5	1751.5	1751.5	1751.5
5°	1711.1	1721.2	1721.2	1728.3	1738.4	1750.5	1759.6	1761.6	1763.6	1766.6
7.5°	1647.6	1655.6	1661.7	1684.9	1710.1	1742.4	1769.6	1783.8	1785.8	1796.9
10°	1604.2	1614.3	1624.4	1648.6	1684.9	1733.3	1779.7	1814.0	1819.1	1845.3
12.5°	1602.2	1612.2	1625.4	1651.6	1694.0	1745.4	1801.9	1851.4	1860.4	1898.8
15°	1623.3	1635.5	1647.6	1679.8	1725.2	1787.8	1848.3	1909.9	1919.0	1973.4
17.5°	1666.7	1682.9	1692.0	1724.2	1772.7	1842.3	1922.0	1992.6	2000.7	2064.2
20°	1752.5	1771.7	1774.7	1800.9	1848.3	1923.0	2017.8	2105.6	2115.7	2188.3
22.5°	1930.1	1957.3	1933.1	1946.2	1988.6	2063.2	2166.1	2277.1	2291.3	2374.0
25°	2242.8	2281.2	2218.6	2196.4	2214.6	2292.3	2421.4	2561.6	2577.8	2644.4
27.5°	2857.3	2807.8	2713.0	2620.2	2565.7	2610.1	2755.4	2928.9	2949.1	3013.6
30°	3532.2	3488.8	3360.7	3154.9	3025.7	3018.7	3152.9	3346.6	3369.8	3431.3
32.5°	4208.2	4166.8	4027.6	3774.4	3550.4	3439.4	3532.2	3747.1	3759.2	3798.6
35°	4873.1	4830.7	4691.5	4432.2	4156.7	3904.5	3886.3	4128.5	4132.5	4173.9
37.5°	5542.0	5506.7	5358.4	5104.1	4832.7	4484.6	4316.1	4489.7	4494.7	4535.1
40°	6019.2	6034.3	5932.4	5735.7	5502.6	5122.3	4798.4	4874.1	4843.8	4911.4
42.5°	6428.8	6459.1	6370.3	6271.4	6136.2	5801.3	5395.7	5382.6	5334.1	5370.5
45°	6783.0	6808.2	6728.5	6705.3	6702.2	6467.2	6048.5	5969.8	5902.2	5895.1
47.5°	6913.1	6961.5	6995.8	7073.5	7224.9	7126.0	6723.4	6601.3	6525.7	6470.2
50°	6962.5	7014.0	7131.0	7357.0	7715.2	7757.6	7395.4	7258.2	7165.3	7064.4
52.5°	6895.9	6987.8	7145.2	7525.5	8045.1	8264.0	8040.1	7920.0	7814.1	7649.6
55°	6503.5	6595.3	6917.1	7523.5	8209.6	8619.2	8649.4	8596.0	8476.9	8217.6
57.5°	5676.2	5812.4	6321.9	7267.2	8206.5	8924.9	9246.7	9285.1	9151.9	8780.6
60°	4530.0	4714.7	5336.2	6699.2	7953.3	9090.3	9770.4	9962.0	9820.8	9335.5
62.5°	3160.9	3374.8	3963.0	5809.3	7374.2	8971.3	10152.7	10506.9	10399.9	9831.9
65°	1928.0	1996.6	2470.8	4571.4	6389.5	8472.9	10270.8	10801.5	10766.2	10135.6
67.5°	1284.4	1341.9	1478.1	3134.7	4959.8	7477.1	9988.3	10750.0	10760.1	10086.1
70°	773.8	823.3	912.1	1823.1	3214.4	5918.3	9113.5	10094.2	10152.7	9425.3
72.5°	318.8	352.1	432.8	826.3	1664.7	3756.2	7257.1	8666.6	8802.8	7925.0
75°	180.6	197.7	254.2	414.7	722.4	1750.5	4395.9	6152.4	6353.2	5462.3
77.5°	120.1	128.1	164.5	268.4	406.6	597.3	1878.6	3205.3	3588.7	2983.4
80°	80.7	87.8	113.0	179.6	264.3	256.3	598.3	1187.5	1460.9	1025.1
82.5°	54.5	55.5	80.7	118.0	167.5	124.1	176.6	369.3	464.1	296.6
85°	31.3	30.3	59.5	68.6	74.7	51.5	53.5	111.0	145.3	125.1
87.5°	4.0	6.1	23.2	18.2	10.1	11.1	11.1	19.2	28.2	30.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848717
 CATALOG NUMBER: GLAN-SB5B-930-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1750.5	0°	1750.5	1750.5	1750.5	1750.5	1750.5	1750.5	1750.5	1750.5	1750.5
1752.5	2.5°	1752.5	1751.5	1748.5	1745.4	1738.4	1734.3	1736.3	1734.3	1733.3
1765.6	5°	1765.6	1762.6	1754.5	1744.4	1730.3	1713.1	1702.0	1685.9	1670.8
1800.9	7.5°	1800.9	1797.9	1786.8	1758.5	1713.1	1641.5	1575.9	1518.4	1475.0
1857.4	10°	1857.4	1852.4	1835.2	1772.7	1653.6	1497.2	1367.1	1259.1	1188.5
1924.0	12.5°	1924.0	1918.0	1887.7	1759.6	1540.6	1296.5	1116.9	996.8	931.2
2000.7	15°	2002.7	1994.6	1935.1	1697.0	1376.2	1074.5	910.0	820.2	777.9
2098.5	17.5°	2100.6	2086.4	1970.4	1603.2	1197.6	905.0	782.9	715.3	678.0
2226.7	20°	2227.7	2204.5	1998.7	1491.2	1033.1	798.1	697.2	640.7	612.4
2408.3	22.5°	2405.3	2372.0	2033.0	1370.1	917.1	724.4	633.6	592.2	569.0
2661.5	25°	2625.2	2585.9	2075.3	1258.1	837.4	660.8	587.2	552.9	525.6
2993.5	27.5°	2932.9	2862.3	2125.8	1166.3	768.8	606.4	544.8	506.5	475.2
3369.8	30°	3276.0	3159.9	2170.2	1110.8	706.2	555.9	489.3	451.0	421.7
3707.8	32.5°	3600.8	3443.4	2199.4	1086.6	649.7	498.4	428.8	387.4	365.2
4038.7	35°	3907.5	3699.7	2196.4	1063.4	599.3	440.9	369.3	326.9	309.7
4394.8	37.5°	4260.7	3973.1	2175.2	1027.1	557.9	388.4	317.8	280.5	265.3
4827.7	40°	4671.3	4288.9	2162.1	958.5	512.5	340.0	275.4	245.2	234.1
5283.7	42.5°	5109.2	4594.6	2164.1	880.8	456.0	296.6	246.2	221.0	210.9
5791.2	45°	5549.0	4886.2	2167.2	800.1	396.5	263.3	225.0	203.8	197.7
6305.7	47.5°	5962.7	5134.4	2110.7	713.3	338.0	238.1	207.8	193.7	188.7
6822.3	50°	6348.1	5299.8	1974.5	612.4	291.6	217.9	194.7	184.6	179.6
7290.4	52.5°	6647.8	5326.1	1749.5	508.5	259.3	202.8	186.6	177.6	171.5
7668.8	55°	6780.9	5161.6	1429.6	411.6	234.1	189.7	178.6	169.5	162.4
7966.4	57.5°	6746.6	4815.6	1114.9	330.9	209.9	176.6	168.5	162.4	154.4
8207.5	60°	6578.1	4352.5	840.4	275.4	187.7	162.4	157.4	152.3	141.2
8300.4	62.5°	6286.6	3770.3	599.3	228.0	163.4	146.3	144.3	140.2	124.1
8163.1	65°	5840.6	3063.1	403.6	189.7	140.2	128.1	129.1	122.1	100.9
7660.7	67.5°	5188.9	2239.8	258.3	155.4	117.0	106.9	108.0	103.9	85.8
6708.3	70°	4358.5	1483.1	168.5	118.0	93.8	82.7	88.8	89.8	72.6
5148.5	72.5°	3195.2	875.7	118.0	87.8	68.6	57.5	72.6	74.7	58.5
3097.4	75°	1821.1	415.7	88.8	63.6	42.4	40.4	56.5	56.5	40.4
1340.9	77.5°	764.8	173.5	62.6	41.4	24.2	23.2	38.3	35.3	20.2
326.9	80°	221.0	77.7	33.3	20.2	10.1	9.1	15.1	11.1	5.0
124.1	82.5°	86.8	34.3	13.1	8.1	4.0	4.0	2.0	0.0	0.0
70.6	85°	51.5	14.1	6.1	3.0	1.0	0.0	0.0	0.0	0.0
15.1	87.5°	13.1	3.0	2.0	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

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180°
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1750.5
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