

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: P847997

Luminaire Tested: **GLAN-SB4B-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847997
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-SB4B-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 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: 14655 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

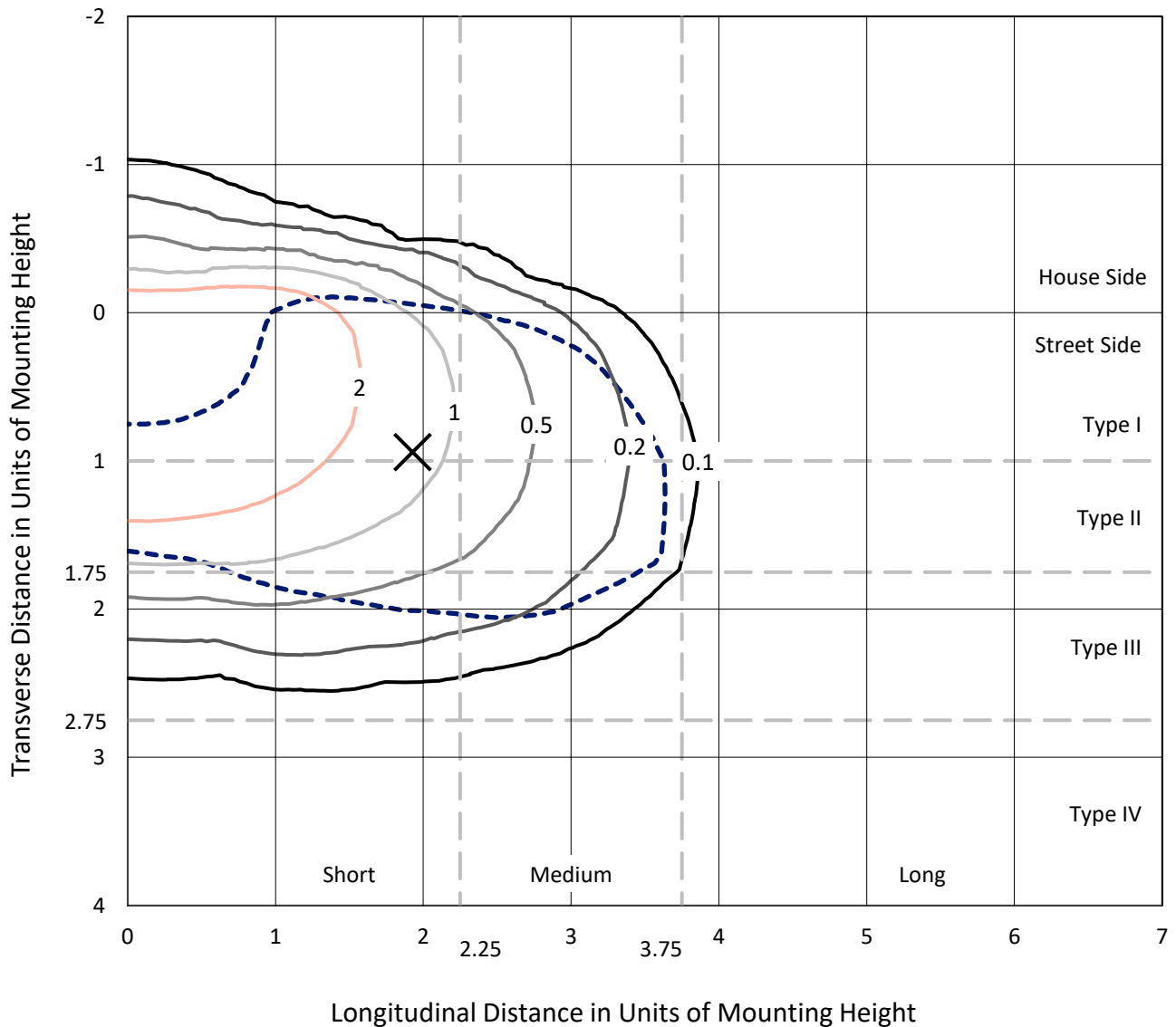
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

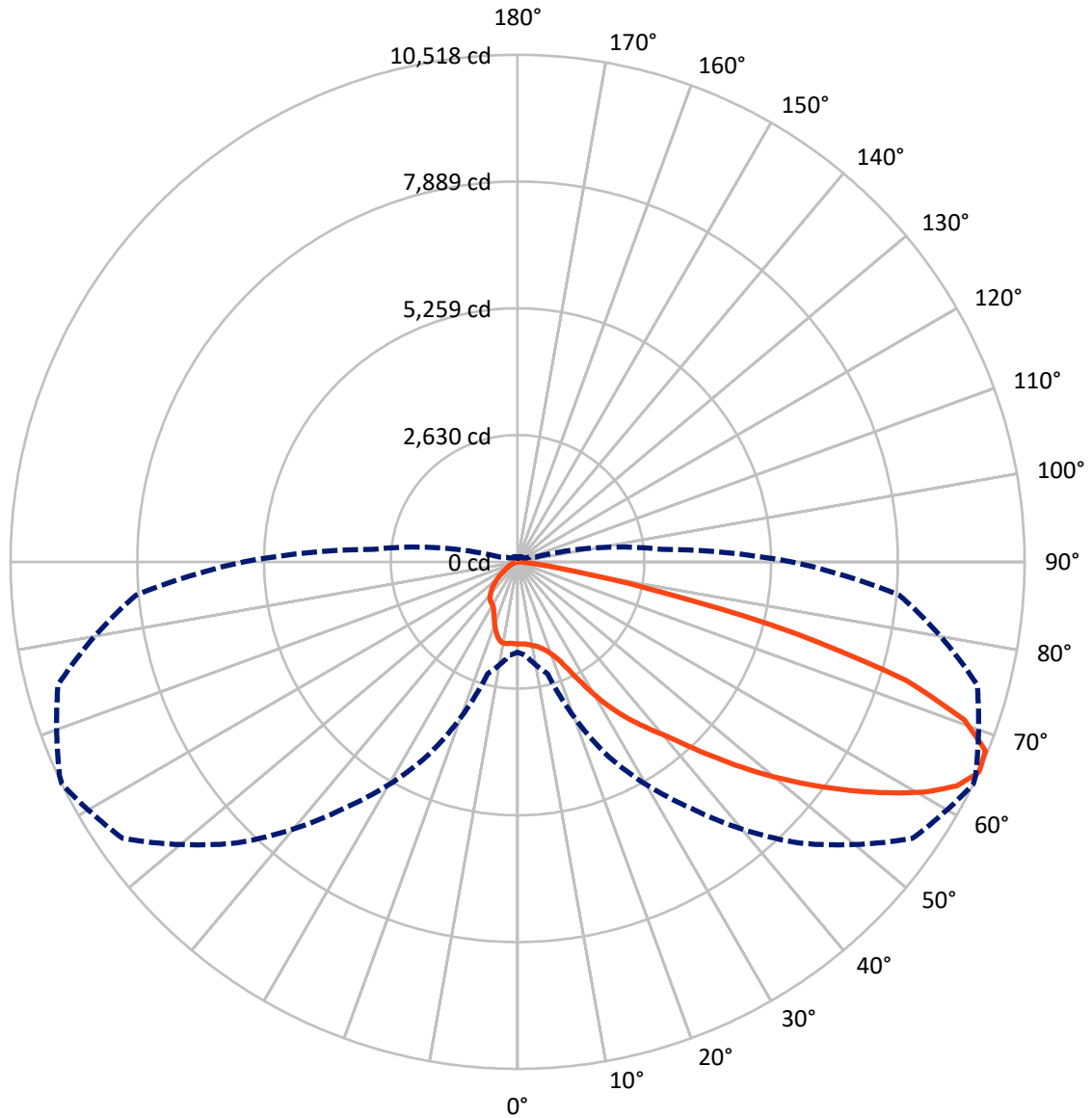
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	1959.8	0.0	1959.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	12695.2	0.0	12695.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	14655.0	0.0	14655.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.3	1.1
10°-20°	426.5	2.9
20°-30°	808.2	5.5
30°-40°	1635.5	11.2
40°-50°	2786.1	19.0
50°-60°	3788.9	25.9
60°-70°	3558.0	24.3
70°-80°	1425.5	9.7
80°-90°	69.1	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°	14655.0	100.0
0°-180°	14655.0	100.0

Coefficient of Utilization



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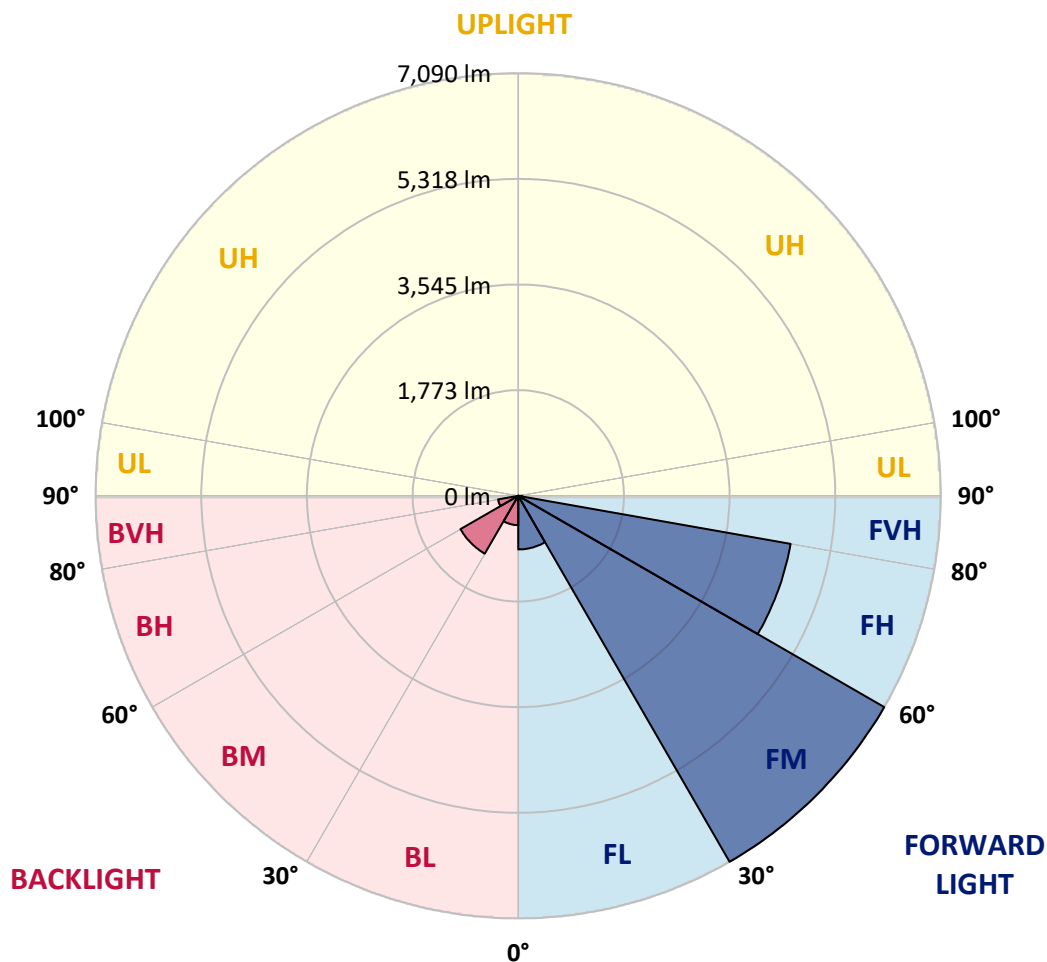
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	900.0	6.1			
FM (30°-60°)	7090.1	48.4			
FH (60°-80°)	4639.4	31.7			G2/5000
FVH (80°-90°)	65.7	0.4			G1/100
BL (0°-30°)	492.1	3.4	B1/500		
BM (30°-60°)	1120.4	7.6	B2/2500		
BH (60°-80°)	344.0	2.3	B1/500		G1/500
BVH (80°-90°)	3.4	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1704.5	1704.5	1704.5	1704.5	1704.5	1704.5	1704.5	1704.5	1704.5	1704.5
2.5°	1698.6	1710.4	1707.5	1704.5	1703.5	1705.5	1706.5	1705.5	1705.5	1705.5
5°	1666.2	1676.0	1676.0	1682.9	1692.7	1704.5	1713.4	1715.3	1717.3	1720.2
7.5°	1604.3	1612.2	1618.1	1640.7	1665.2	1696.7	1723.2	1736.9	1738.9	1749.7
10°	1562.1	1571.9	1581.7	1605.3	1640.7	1687.8	1733.0	1766.4	1771.3	1796.9
12.5°	1560.1	1569.9	1582.7	1608.2	1649.5	1699.6	1754.6	1802.8	1811.6	1848.9
15°	1580.7	1592.5	1604.3	1635.8	1680.0	1740.9	1799.8	1859.8	1868.6	1921.6
17.5°	1623.0	1638.7	1647.5	1679.0	1726.1	1793.9	1871.5	1940.3	1948.2	2010.1
20°	1706.5	1725.2	1728.1	1753.7	1799.8	1872.5	1964.9	2050.3	2060.2	2130.9
22.5°	1879.4	1905.9	1882.3	1895.1	1936.4	2009.1	2109.3	2217.4	2231.1	2311.7
25°	2184.0	2221.3	2160.4	2138.8	2156.4	2232.1	2357.8	2494.4	2510.1	2575.0
27.5°	2782.3	2734.1	2641.8	2551.4	2498.3	2541.6	2683.0	2852.0	2871.7	2934.5
30°	3439.5	3397.3	3272.5	3072.1	2946.3	2939.5	3070.1	3258.7	3281.3	3341.3
32.5°	4097.7	4057.5	3921.9	3675.3	3457.2	3349.1	3439.5	3648.8	3660.6	3698.9
35°	4745.2	4703.9	4568.3	4315.8	4047.6	3802.0	3784.3	4020.1	4024.1	4064.3
37.5°	5396.5	5362.1	5217.7	4970.2	4705.9	4366.9	4202.9	4371.8	4376.8	4416.1
40°	5861.2	5876.0	5776.7	5585.2	5358.2	4987.8	4672.5	4746.2	4716.7	4782.5
42.5°	6260.1	6289.6	6203.1	6106.8	5975.2	5649.0	5254.1	5241.3	5194.1	5229.5
45°	6604.9	6629.5	6551.9	6529.3	6526.3	6297.4	5889.7	5813.1	5747.3	5740.4
47.5°	6731.7	6778.8	6812.2	6887.9	7035.2	6939.0	6547.0	6428.1	6354.4	6300.4
50°	6779.8	6829.9	6943.9	7163.9	7512.7	7554.0	7201.3	7067.7	6977.3	6879.0
52.5°	6715.0	6804.4	6957.6	7328.0	7834.0	8047.1	7829.0	7712.1	7609.0	7448.8
55°	6332.8	6422.2	6735.6	7326.0	7994.1	8393.0	8422.4	8370.4	8254.4	8002.0
57.5°	5527.2	5659.8	6156.0	7076.5	7991.1	8690.6	9004.0	9041.4	8911.7	8550.2
60°	4411.1	4590.9	5196.1	6523.4	7744.6	8851.8	9513.9	9700.6	9563.0	9090.5
62.5°	3078.0	3286.3	3859.0	5656.9	7180.6	8735.8	9886.3	10231.1	10127.0	9573.9
65°	1877.4	1944.2	2406.0	4451.4	6221.8	8250.5	10001.2	10518.0	10483.6	9869.6
67.5°	1250.6	1306.6	1439.3	3052.4	4829.7	7280.8	9726.1	10467.9	10477.7	9821.4
70°	753.5	801.7	888.1	1775.3	3130.0	5763.0	8874.4	9829.3	9886.3	9177.9
72.5°	310.5	342.9	421.5	804.6	1621.0	3657.6	7066.7	8439.1	8571.8	7717.0
75°	175.9	192.6	247.6	403.8	703.4	1704.5	4280.5	5990.9	6186.4	5318.9
77.5°	116.9	124.8	160.1	261.3	395.9	581.6	1829.3	3121.2	3494.5	2905.1
80°	78.6	85.5	110.0	174.9	257.4	249.5	582.6	1156.3	1422.6	998.2
82.5°	53.1	54.0	78.6	114.9	163.1	120.8	171.9	359.6	451.9	288.8
85°	30.5	29.5	58.0	66.8	72.7	50.1	52.1	108.1	141.5	121.8
87.5°	3.9	5.9	22.6	17.7	9.8	10.8	10.8	18.7	27.5	29.5
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°
1704.5	0°	1704.5	1704.5	1704.5	1704.5	1704.5	1704.5	1704.5	1704.5	1704.5
1706.5	2.5°	1706.5	1705.5	1702.6	1699.6	1692.7	1688.8	1690.8	1688.8	1687.8
1719.3	5°	1719.3	1716.3	1708.5	1698.6	1684.9	1668.2	1657.4	1641.7	1626.9
1753.7	7.5°	1753.7	1750.7	1739.9	1712.4	1668.2	1598.4	1534.6	1478.6	1436.3
1808.7	10°	1808.7	1803.8	1787.1	1726.1	1610.2	1457.9	1331.2	1226.1	1157.3
1873.5	12.5°	1873.5	1867.6	1838.1	1713.4	1500.2	1262.4	1087.6	970.6	906.8
1948.2	15°	1950.1	1942.3	1884.3	1652.5	1340.0	1046.3	886.2	798.7	757.5
2043.5	17.5°	2045.4	2031.7	1918.7	1561.1	1166.2	881.2	762.4	696.5	660.2
2168.2	20°	2169.2	2146.6	1946.2	1452.0	1006.0	777.1	678.9	623.8	596.3
2345.1	22.5°	2342.1	2309.7	1979.6	1334.1	893.0	705.4	617.0	576.7	554.1
2591.7	25°	2556.3	2518.0	2020.9	1225.1	815.4	643.5	571.8	538.4	511.8
2914.9	27.5°	2855.9	2787.2	2070.0	1135.7	748.6	590.4	530.5	493.2	462.7
3281.3	30°	3190.0	3077.0	2113.2	1081.7	687.7	541.3	476.5	439.1	410.7
3610.5	32.5°	3506.3	3353.1	2141.7	1058.1	632.7	485.3	417.5	377.3	355.6
3932.7	35°	3805.0	3602.6	2138.8	1035.5	583.6	429.3	359.6	318.3	301.6
4279.5	37.5°	4148.8	3868.8	2118.1	1000.1	543.3	378.2	309.5	273.1	258.4
4701.0	40°	4548.7	4176.3	2105.4	933.3	499.1	331.1	268.2	238.7	227.9
5145.0	42.5°	4975.1	4474.0	2107.3	857.7	444.1	288.8	239.7	215.2	205.3
5639.2	45°	5403.4	4757.9	2110.3	779.1	386.1	256.4	219.1	198.5	192.6
6140.2	47.5°	5806.2	4999.6	2055.3	694.6	329.1	231.9	202.4	188.6	183.7
6643.2	50°	6181.5	5160.7	1922.6	596.3	283.9	212.2	189.6	179.8	174.9
7099.1	52.5°	6473.3	5186.3	1703.5	495.1	252.5	197.5	181.8	172.9	167.0
7467.5	55°	6603.0	5026.1	1392.1	400.8	227.9	184.7	173.9	165.0	158.2
7757.3	57.5°	6569.6	4689.2	1085.6	322.2	204.3	171.9	164.1	158.2	150.3
7992.1	60°	6405.5	4238.2	818.4	268.2	182.7	158.2	153.3	148.3	137.5
8082.5	62.5°	6121.6	3671.4	583.6	222.0	159.2	142.5	140.5	136.6	120.8
7948.9	65°	5687.3	2982.7	393.0	184.7	136.6	124.8	125.8	118.9	98.2
7459.6	67.5°	5052.7	2181.0	251.5	151.3	114.0	104.1	105.1	101.2	83.5
6532.2	70°	4244.1	1444.2	164.1	114.9	91.4	80.6	86.5	87.4	70.7
5013.4	72.5°	3111.4	852.8	114.9	85.5	66.8	56.0	70.7	72.7	57.0
3016.1	75°	1773.3	404.8	86.5	61.9	41.3	39.3	55.0	55.0	39.3
1305.7	77.5°	744.7	169.0	60.9	40.3	23.6	22.6	37.3	34.4	19.6
318.3	80°	215.2	75.6	32.4	19.6	9.8	8.8	14.7	10.8	4.9
120.8	82.5°	84.5	33.4	12.8	7.9	3.9	3.9	2.0	0.0	0.0
68.8	85°	50.1	13.8	5.9	2.9	1.0	0.0	0.0	0.0	0.0
14.7	87.5°	12.8	2.9	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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1704.5
1692.7
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570.8
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353.7
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263.3
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201.4
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