

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: P849977

Luminaire Tested: **GLAN-SB7B-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849977
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-SB7B-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 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: 30820 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

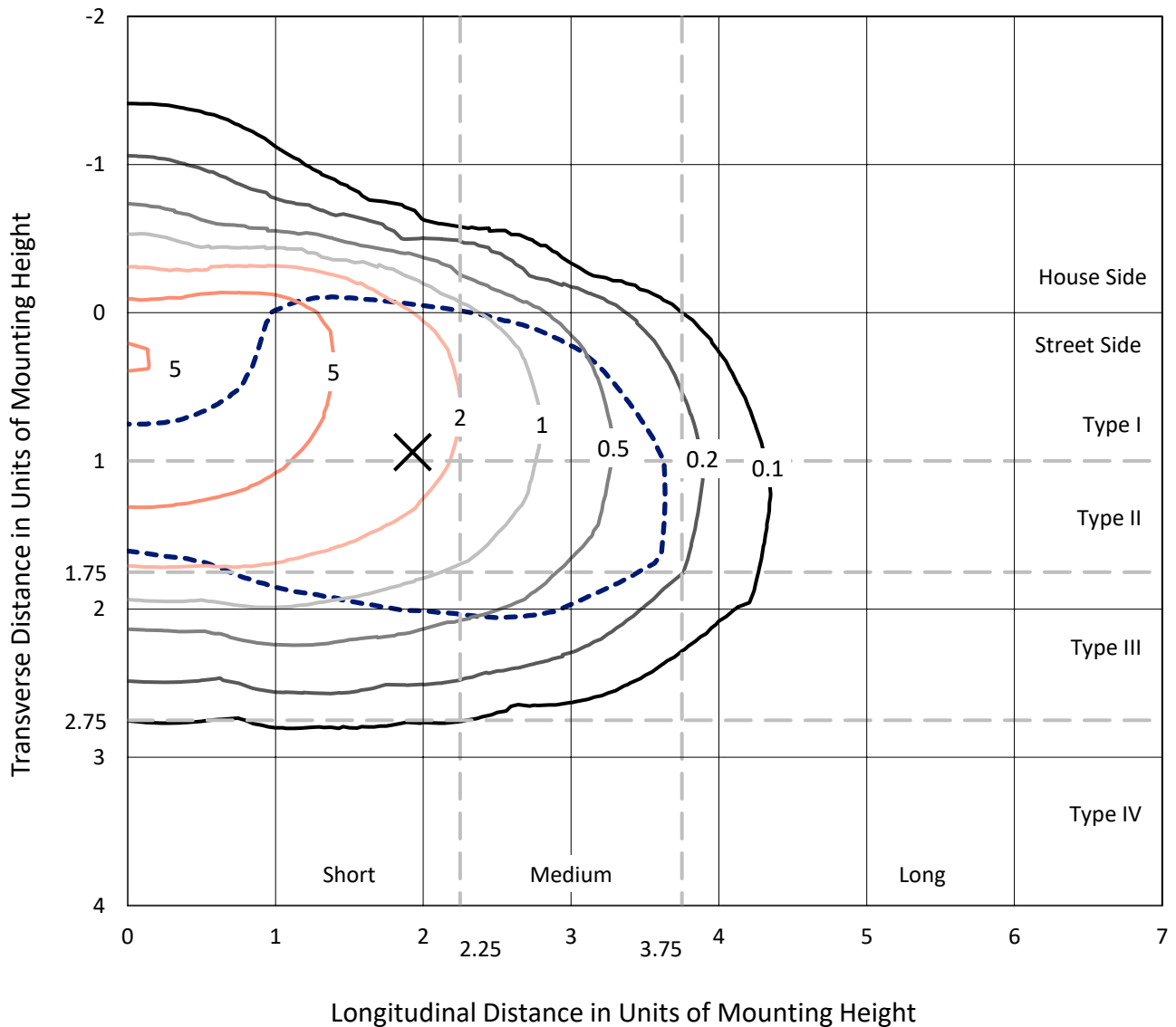
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

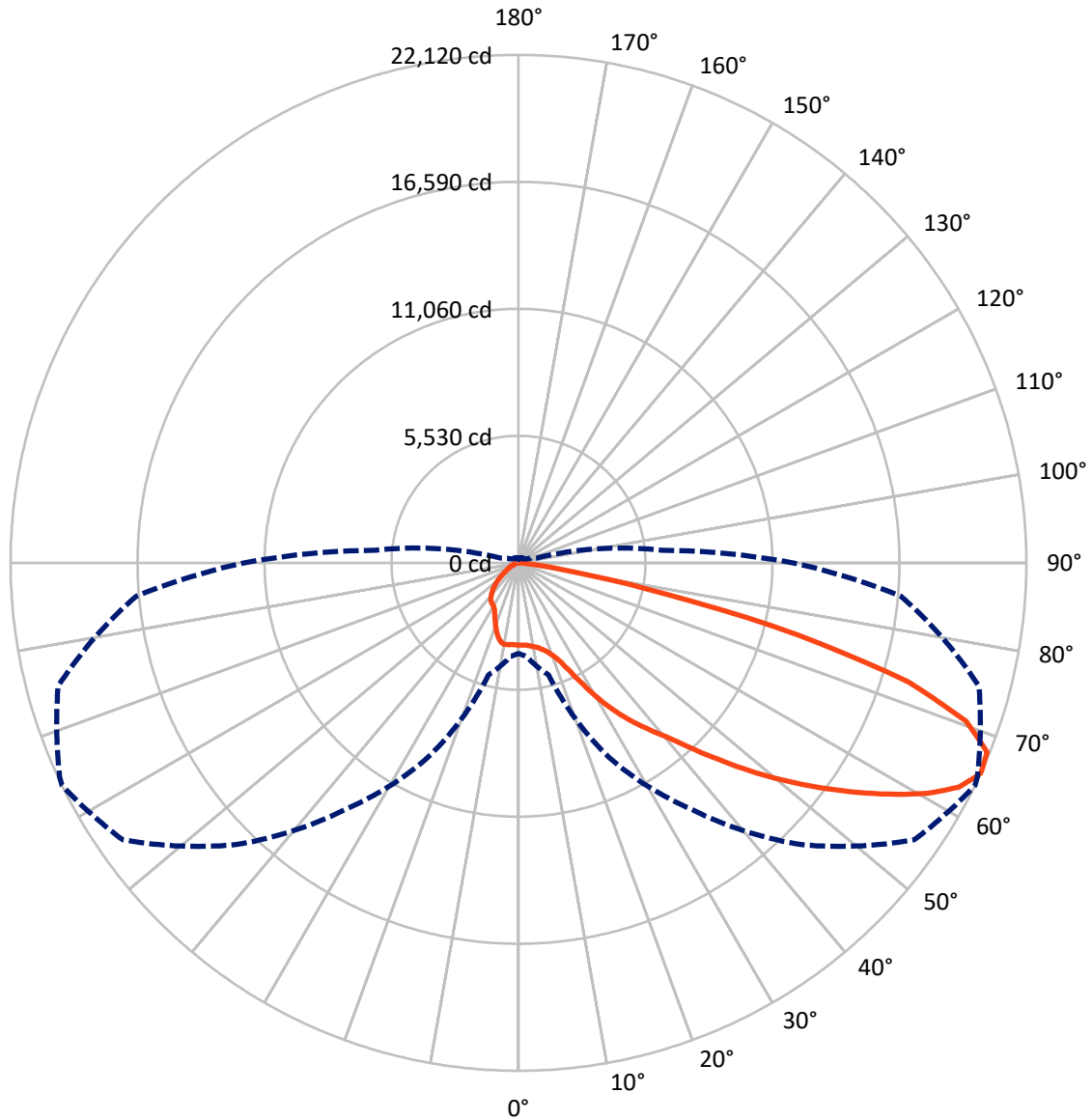
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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	4121.6	0.0	4121.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	26698.4	0.0	26698.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	30820.0	0.0	30820.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.7	1.1
10°-20°	897.0	2.9
20°-30°	1699.8	5.5
30°-40°	3439.5	11.2
40°-50°	5859.3	19.0
50°-60°	7968.2	25.9
60°-70°	7482.5	24.3
70°-80°	2997.8	9.7
80°-90°	145.2	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°	30820.0	100.0
0°-180°	30820.0	100.0

Coefficient of Utilization



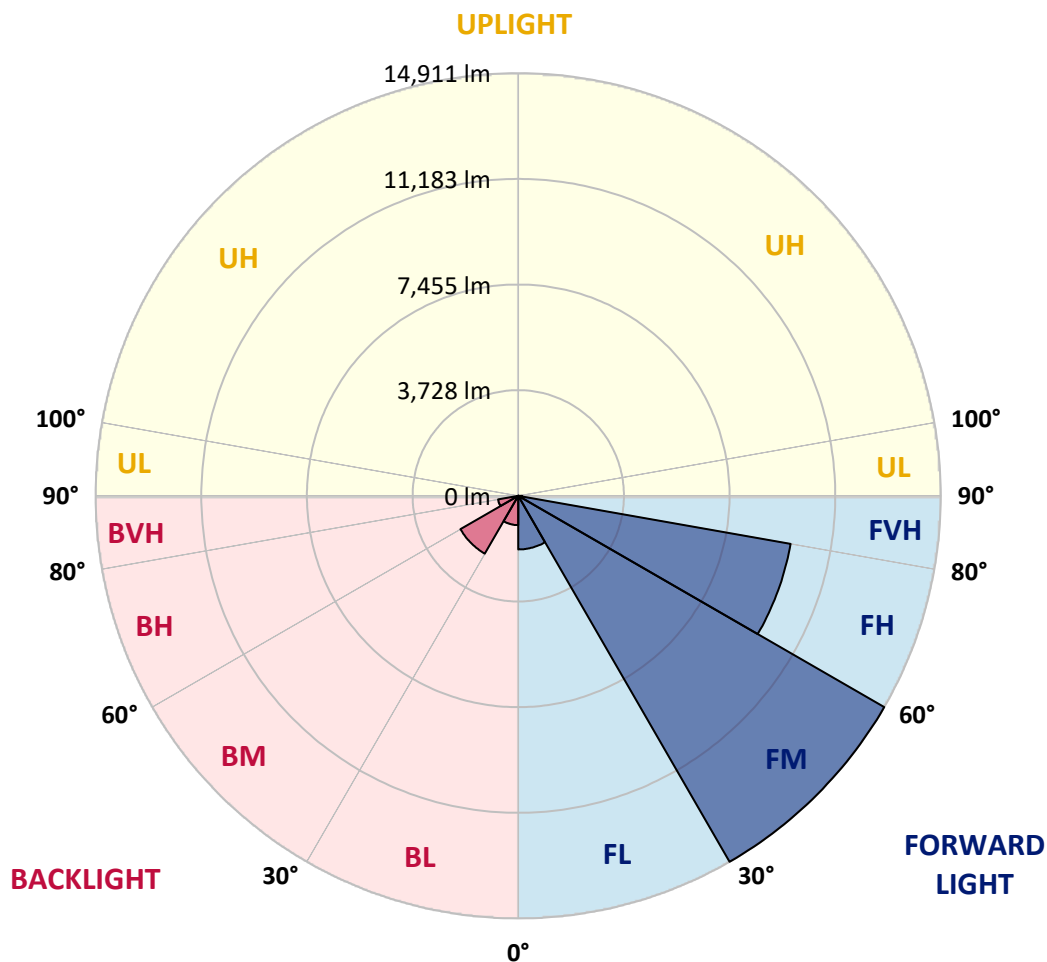
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1892.7	6.1			
FM (30°-60°)	14910.7	48.4			
FH (60°-80°)	9756.9	31.7			G4/12000
FVH (80°-90°)	138.1	0.4			G2/225
BL (0°-30°)	1034.8	3.4	B3/2500		
BM (30°-60°)	2356.3	7.6	B2/2500		
BH (60°-80°)	723.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3584.7	3584.7	3584.7	3584.7	3584.7	3584.7	3584.7	3584.7	3584.7	3584.7
2.5°	3572.3	3597.1	3590.9	3584.7	3582.6	3586.8	3588.8	3586.8	3586.8	3586.8
5°	3504.1	3524.8	3524.8	3539.2	3559.9	3584.7	3603.3	3607.4	3611.5	3617.7
7.5°	3373.9	3390.5	3402.9	3450.4	3502.0	3568.2	3623.9	3652.9	3657.0	3679.7
10°	3285.1	3305.8	3326.4	3376.0	3450.4	3549.6	3644.6	3714.9	3725.2	3778.9
12.5°	3281.0	3301.6	3328.5	3382.2	3469.0	3574.4	3690.1	3791.3	3809.9	3888.4
15°	3324.4	3349.2	3373.9	3440.1	3533.0	3661.1	3785.1	3911.1	3929.7	4041.3
17.5°	3413.2	3446.3	3464.9	3531.0	3630.1	3772.7	3935.9	4080.6	4097.1	4227.2
20°	3588.8	3628.1	3634.3	3688.0	3785.1	3938.0	4132.2	4312.0	4332.6	4481.4
22.5°	3952.5	4008.2	3958.7	3985.5	4072.3	4225.2	4435.9	4663.2	4692.1	4861.5
25°	4592.9	4671.5	4543.4	4497.9	4535.1	4694.2	4958.6	5245.8	5278.9	5415.3
27.5°	5851.2	5750.0	5555.7	5365.7	5254.1	5345.0	5642.5	5997.9	6039.2	6171.4
30°	7233.4	7144.6	6882.2	6460.7	6196.2	6181.8	6456.6	6853.3	6900.8	7026.8
32.5°	8617.7	8533.0	8247.9	7729.3	7270.6	7043.3	7233.4	7673.5	7698.3	7778.9
35°	9979.3	9892.5	9607.4	9076.4	8512.3	7995.8	7958.6	8454.5	8462.8	8547.5
37.5°	11349.1	11276.8	10973.1	10452.4	9896.6	9183.8	8838.8	9194.2	9204.5	9287.1
40°	12326.4	12357.4	12148.7	11745.8	11268.5	10489.6	9826.4	9981.3	9919.4	10057.8
42.5°	13165.2	13227.2	13045.4	12842.9	12566.0	11880.1	11049.5	11022.7	10923.5	10997.9
45°	13890.4	13942.1	13778.8	13731.3	13725.1	13243.7	12386.3	12225.1	12086.7	12072.2
47.5°	14156.9	14256.1	14326.3	14485.4	14795.4	14592.9	13768.5	13518.5	13363.5	13249.9
50°	14258.2	14363.5	14603.2	15066.0	15799.5	15886.3	15144.5	14863.5	14673.5	14466.8
52.5°	14121.8	14309.8	14632.1	15411.1	16475.1	16923.4	16464.8	16218.9	16002.0	15665.2
55°	13318.1	13506.1	14165.2	15406.9	16811.9	17650.7	17712.7	17603.2	17359.4	16828.4
57.5°	11623.9	11902.8	12946.2	14882.1	16805.7	18276.7	18935.8	19014.3	18741.6	17981.3
60°	9276.8	9654.9	10927.6	13718.9	16287.1	18615.6	20008.1	20400.7	20111.4	19117.6
62.5°	6473.1	6911.1	8115.6	11896.6	15101.1	18371.8	20791.2	21516.4	21297.4	20134.2
65°	3948.3	4088.8	5059.9	9361.5	13084.6	17351.1	21032.9	22119.7	22047.4	20756.1
67.5°	2630.1	2747.9	3026.8	6419.4	10157.0	15311.9	20454.4	22014.3	22035.0	20654.8
70°	1584.7	1685.9	1867.8	3733.4	6582.6	12119.8	18663.1	20671.3	20791.2	19301.5
72.5°	652.9	721.1	886.4	1692.1	3409.1	7692.1	14861.5	17747.8	18026.7	16229.2
75°	369.8	405.0	520.7	849.2	1479.3	3584.7	9002.0	12599.1	13010.2	11185.9
77.5°	245.9	262.4	336.8	549.6	832.6	1223.1	3847.1	6564.0	7349.1	6109.5
80°	165.3	179.8	231.4	367.8	541.3	524.8	1225.2	2431.8	2991.7	2099.2
82.5°	111.6	113.6	165.3	241.7	343.0	254.1	361.6	756.2	950.4	607.4
85°	64.0	62.0	121.9	140.5	152.9	105.4	109.5	227.3	297.5	256.2
87.5°	8.3	12.4	47.5	37.2	20.7	22.7	22.7	39.3	57.9	62.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3584.7	0°	3584.7	3584.7	3584.7	3584.7	3584.7	3584.7	3584.7	3584.7	3584.7	3584.7
3588.8	2.5°	3588.8	3586.8	3580.6	3574.4	3559.9	3551.6	3555.8	3551.6	3549.6	3551.6
3615.7	5°	3615.7	3609.5	3593.0	3572.3	3543.4	3508.2	3485.5	3452.5	3421.5	3402.9
3688.0	7.5°	3688.0	3681.8	3659.1	3601.2	3508.2	3361.5	3227.3	3109.5	3020.6	2969.0
3803.7	10°	3803.7	3793.4	3758.2	3630.1	3386.3	3066.1	2799.6	2578.5	2433.9	2365.7
3940.1	12.5°	3940.1	3927.7	3865.7	3603.3	3154.9	2654.9	2287.2	2041.3	1907.0	1847.1
4097.1	15°	4101.2	4084.7	3962.8	3475.2	2818.2	2200.4	1863.6	1679.7	1593.0	1539.2
4297.5	17.5°	4301.6	4272.7	4035.1	3283.0	2452.5	1853.3	1603.3	1464.9	1388.4	1336.8
4559.9	20°	4562.0	4514.4	4092.9	3053.7	2115.7	1634.3	1427.7	1312.0	1254.1	1208.7
4931.8	22.5°	4925.6	4857.4	4163.2	2805.8	1878.1	1483.5	1297.5	1212.8	1165.3	1113.6
5450.4	25°	5376.0	5295.4	4250.0	2576.4	1714.9	1353.3	1202.5	1132.2	1076.4	1016.5
6130.1	27.5°	6006.2	5861.5	4353.3	2388.4	1574.4	1241.7	1115.7	1037.2	973.1	923.5
6900.8	30°	6708.6	6471.0	4444.2	2274.8	1446.3	1138.4	1002.1	923.5	863.6	828.5
7592.9	32.5°	7373.9	7051.6	4504.1	2225.2	1330.6	1020.7	878.1	793.4	747.9	737.6
8270.6	35°	8002.0	7576.4	4497.9	2177.7	1227.3	902.9	756.2	669.4	634.3	640.5
8999.9	37.5°	8725.1	8136.3	4454.5	2103.3	1142.6	795.4	650.8	574.4	543.4	545.5
9886.3	40°	9566.0	8783.0	4427.7	1962.8	1049.6	696.3	564.0	502.1	479.3	471.1
10820.2	42.5°	10462.7	9409.0	4431.8	1803.7	933.9	607.4	504.1	452.5	431.8	425.6
11859.4	45°	11363.6	10006.1	4438.0	1638.4	812.0	539.3	460.7	417.4	405.0	396.7
12913.1	47.5°	12210.7	10514.4	4322.3	1460.7	692.1	487.6	425.6	396.7	386.4	376.0
13971.0	50°	12999.9	10853.2	4043.4	1254.1	597.1	446.3	398.8	378.1	367.8	357.4
14929.6	52.5°	13613.5	10906.9	3582.6	1041.3	531.0	415.3	382.2	363.6	351.2	340.9
15704.4	55°	13886.3	10570.2	2927.7	843.0	479.3	388.4	365.7	347.1	332.6	322.3
16313.9	57.5°	13816.0	9861.5	2283.0	677.7	429.7	361.6	345.0	332.6	316.1	299.6
16807.7	60°	13471.0	8913.2	1721.1	564.0	384.3	332.6	322.3	312.0	289.3	264.5
16997.8	62.5°	12873.9	7721.0	1227.3	466.9	334.7	299.6	295.5	287.2	254.1	208.7
16716.8	65°	11960.7	6272.7	826.4	388.4	287.2	262.4	264.5	250.0	206.6	155.0
15687.9	67.5°	10626.0	4586.7	528.9	318.2	239.7	219.0	221.1	212.8	175.6	132.2
13737.5	70°	8925.6	3037.2	345.0	241.7	192.1	169.4	181.8	183.9	148.8	107.4
10543.3	72.5°	6543.3	1793.4	241.7	179.8	140.5	117.8	148.8	152.9	119.8	80.6
6342.9	75°	3729.3	851.2	181.8	130.2	86.8	82.6	115.7	115.7	82.6	53.7
2745.8	77.5°	1566.1	355.4	128.1	84.7	49.6	47.5	78.5	72.3	41.3	24.8
669.4	80°	452.5	159.1	68.2	41.3	20.7	18.6	31.0	22.7	10.3	4.1
254.1	82.5°	177.7	70.2	26.9	16.5	8.3	8.3	4.1	0.0	0.0	0.0
144.6	85°	105.4	28.9	12.4	6.2	2.1	0.0	0.0	0.0	0.0	0.0
31.0	87.5°	26.9	6.2	4.1	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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180°
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3584.7
3559.9
3407.0
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2359.5
1840.9
1541.3
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1200.4
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1010.3
913.2
822.3
743.8
640.5
553.7
469.0
423.6
396.7
376.0
357.4
338.8
320.2
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150.8
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