

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: P849737

Luminaire Tested: **GLAN-SB6D-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849737
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-SB6D-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 900mA 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: 32650 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

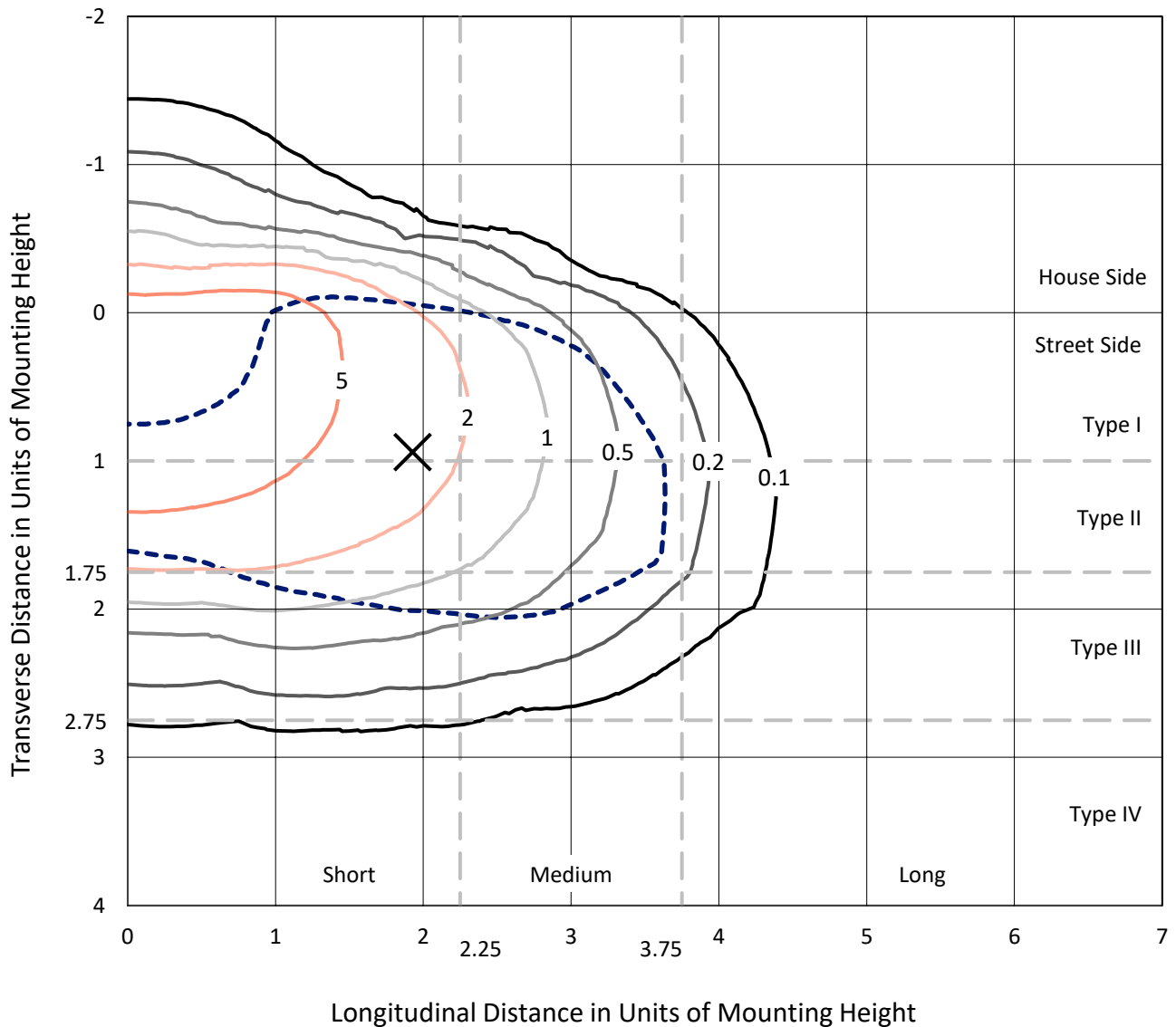
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

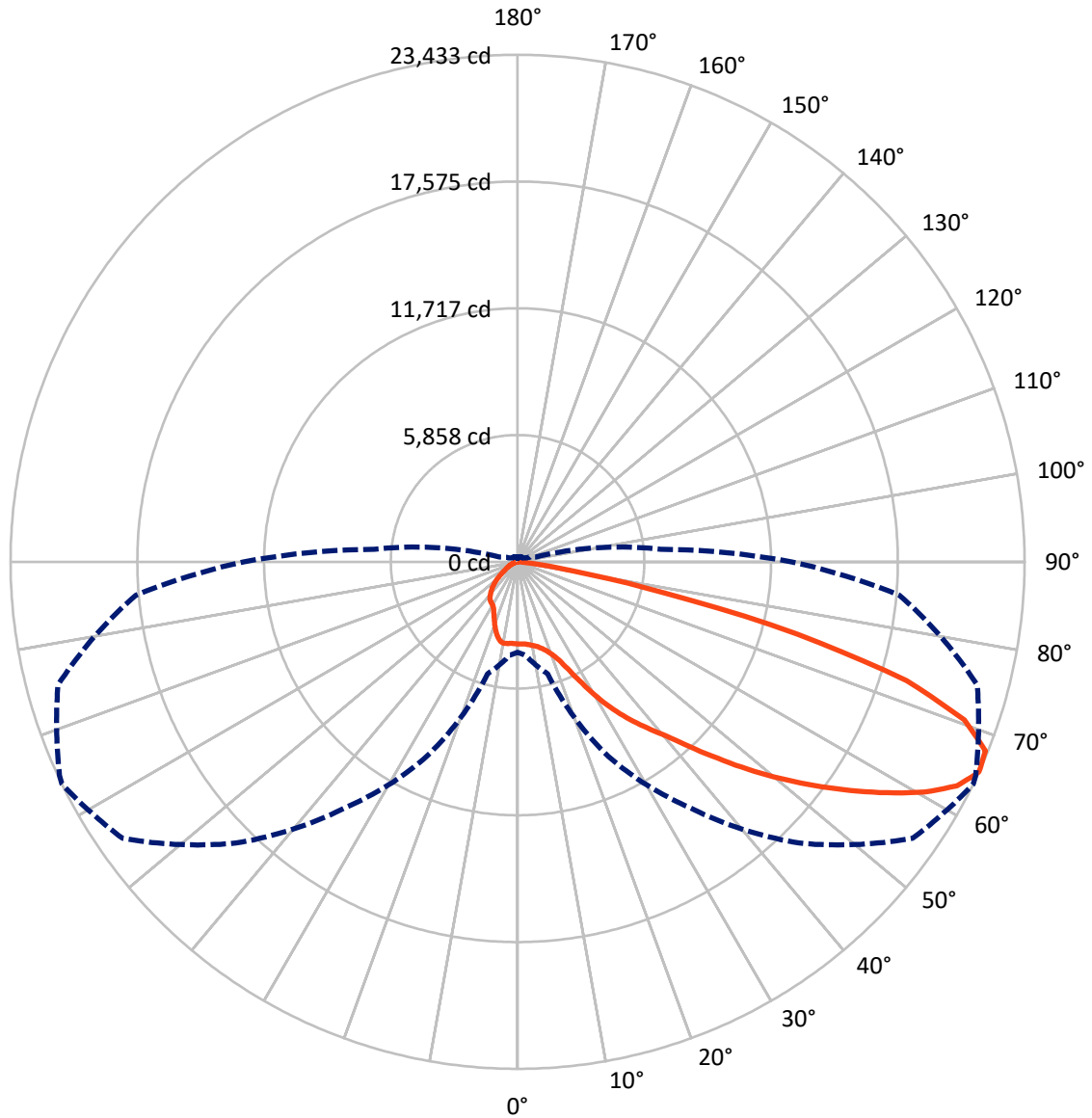
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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	4366.3	0.0	4366.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	28283.7	0.0	28283.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	32650.0	0.0	32650.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.4	1.1
10°-20°	950.3	2.9
20°-30°	1800.7	5.5
30°-40°	3643.8	11.2
40°-50°	6207.2	19.0
50°-60°	8441.3	25.9
60°-70°	7926.8	24.3
70°-80°	3175.8	9.7
80°-90°	153.9	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°	32650.0	100.0
0°-180°	32650.0	100.0

Coefficient of Utilization



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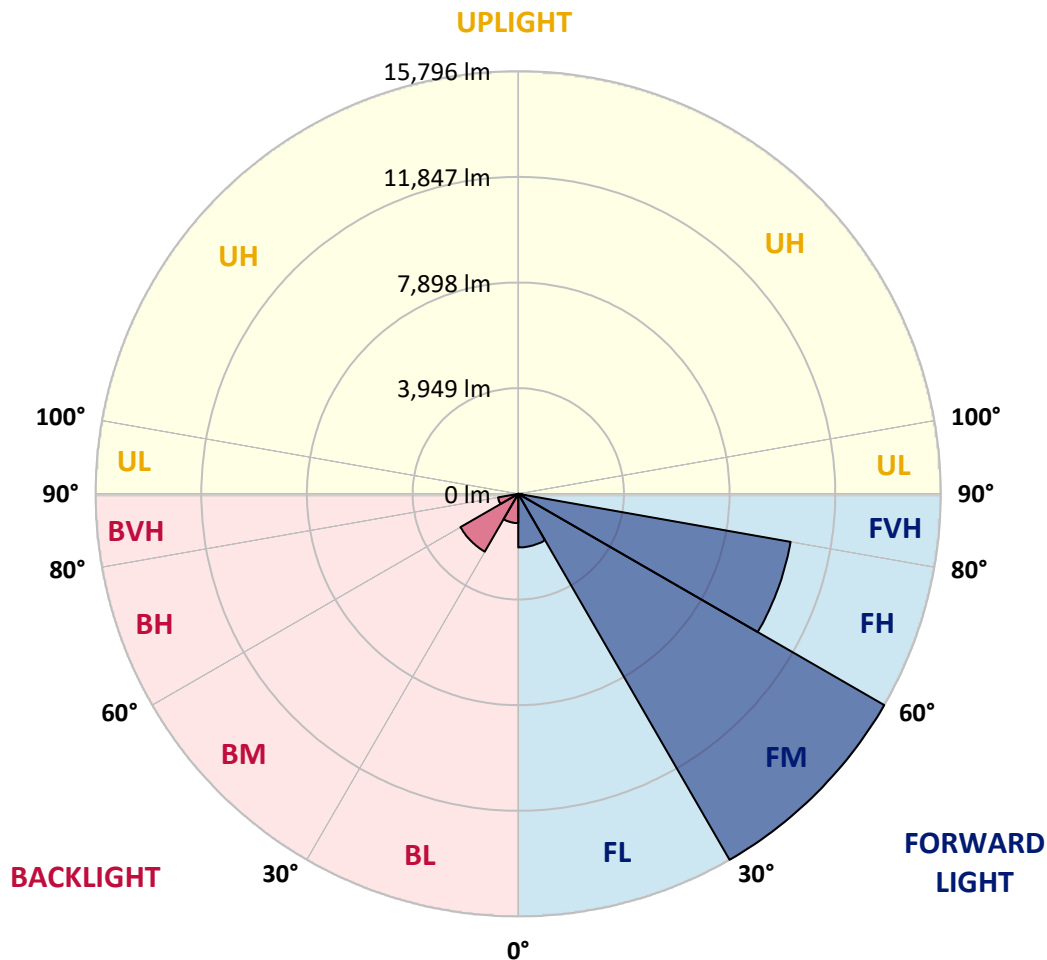
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2005.1	6.1			
FM (30°-60°)	15796.0	48.4			
FH (60°-80°)	10336.2	31.7			G4/12000
FVH (80°-90°)	146.3	0.4			G2/225
BL (0°-30°)	1096.2	3.4	B3/2500		
BM (30°-60°)	2496.2	7.6	B2/2500		
BH (60°-80°)	766.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3797.5	3797.5	3797.5	3797.5	3797.5	3797.5	3797.5	3797.5	3797.5	3797.5
2.5°	3784.4	3810.7	3804.1	3797.5	3795.3	3799.7	3801.9	3799.7	3799.7	3799.7
5°	3712.2	3734.1	3734.1	3749.4	3771.3	3797.5	3817.2	3821.6	3826.0	3832.6
7.5°	3574.3	3591.8	3604.9	3655.3	3710.0	3780.0	3839.1	3869.8	3874.1	3898.2
10°	3480.2	3502.0	3523.9	3576.5	3655.3	3760.3	3861.0	3935.4	3946.4	4003.3
12.5°	3475.8	3497.7	3526.1	3583.0	3675.0	3786.6	3909.2	4016.4	4036.1	4119.3
15°	3521.7	3548.0	3574.3	3644.3	3742.8	3878.5	4009.8	4143.4	4163.1	4281.3
17.5°	3615.9	3650.9	3670.6	3740.6	3845.7	3996.7	4169.6	4322.8	4340.4	4478.2
20°	3801.9	3843.5	3850.1	3907.0	4009.8	4171.8	4377.6	4568.0	4589.9	4747.5
22.5°	4187.1	4246.2	4193.7	4222.2	4314.1	4476.1	4699.3	4940.1	4970.7	5150.2
25°	4865.7	4948.8	4813.1	4765.0	4804.4	4972.9	5253.1	5557.3	5592.3	5736.8
27.5°	6198.6	6091.4	5885.6	5684.3	5566.1	5662.4	5977.6	6354.0	6397.8	6537.9
30°	7662.9	7568.8	7290.8	6844.3	6564.2	6548.8	6839.9	7260.2	7310.5	7444.0
32.5°	9129.4	9039.7	8737.6	8188.2	7702.3	7461.6	7662.9	8129.1	8155.4	8240.8
35°	10571.8	10479.9	10177.8	9615.3	9017.8	8470.6	8431.2	8956.5	8965.2	9055.0
37.5°	12023.0	11946.4	11624.6	11073.0	10484.3	9729.1	9363.6	9740.1	9751.0	9838.6
40°	13058.3	13091.1	12870.0	12443.2	11937.6	11112.4	10409.8	10574.0	10508.3	10655.0
42.5°	13946.9	14012.6	13820.0	13605.5	13312.2	12585.5	11705.6	11677.1	11572.1	11650.9
45°	14715.2	14769.9	14597.0	14546.6	14540.1	14030.1	13121.7	12951.0	12804.4	12789.0
47.5°	14997.5	15102.6	15177.0	15345.5	15673.9	15459.4	14586.0	14321.2	14157.0	14036.6
50°	15104.8	15216.4	15470.3	15960.6	16737.6	16829.5	16043.8	15746.1	15544.7	15325.8
52.5°	14960.3	15159.5	15500.9	16326.1	17453.3	17928.3	17442.4	17181.9	16952.1	16595.3
55°	14108.9	14308.1	15006.3	16321.7	17810.1	18698.8	18764.4	18648.4	18390.1	17827.6
57.5°	12314.1	12609.6	13714.9	15765.8	17803.5	19362.0	20060.2	20143.3	19854.4	19049.0
60°	9827.6	10228.2	11576.5	14533.5	17254.2	19720.9	21196.1	21612.0	21305.6	20252.8
62.5°	6857.4	7321.5	8597.5	12603.0	15997.8	19462.6	22025.7	22794.0	22561.9	21329.7
65°	4182.8	4331.6	5360.3	9917.4	13861.5	18381.4	22281.8	23433.1	23356.5	21988.5
67.5°	2786.3	2911.1	3206.6	6800.5	10760.0	16221.1	21668.9	23321.5	23343.3	21881.2
70°	1678.8	1786.0	1978.7	3955.1	6973.5	12839.4	19771.3	21898.7	22025.7	20447.6
72.5°	691.7	763.9	939.0	1792.6	3611.5	8148.8	15743.9	18801.6	19097.1	17192.9
75°	391.8	429.0	551.6	899.6	1567.2	3797.5	9536.5	13347.2	13782.8	11850.1
77.5°	260.5	278.0	356.8	582.2	882.1	1295.8	4075.5	6953.8	7785.5	6472.2
80°	175.1	190.4	245.1	389.6	573.5	556.0	1297.9	2576.2	3169.4	2223.8
82.5°	118.2	120.4	175.1	256.1	363.3	269.2	383.0	801.1	1006.8	643.5
85°	67.9	65.7	129.1	148.8	162.0	111.6	116.0	240.8	315.2	271.4
87.5°	8.8	13.1	50.3	39.4	21.9	24.1	24.1	41.6	61.3	65.7
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°
3797.5	0°	3797.5	3797.5	3797.5	3797.5	3797.5	3797.5	3797.5	3797.5	3797.5	3797.5
3801.9	2.5°	3801.9	3799.7	3793.2	3786.6	3771.3	3762.5	3766.9	3762.5	3760.3	3762.5
3830.4	5°	3830.4	3823.8	3806.3	3784.4	3753.8	3716.5	3692.5	3657.5	3624.6	3604.9
3907.0	7.5°	3907.0	3900.4	3876.3	3815.0	3716.5	3561.1	3418.9	3294.1	3200.0	3145.3
4029.5	10°	4029.5	4018.6	3981.4	3845.7	3587.4	3248.2	2965.8	2731.6	2578.4	2506.2
4174.0	12.5°	4174.0	4160.9	4095.2	3817.2	3342.3	2812.6	2423.0	2162.5	2020.2	1956.8
4340.4	15°	4344.7	4327.2	4198.1	3681.5	2985.5	2331.1	1974.3	1779.5	1687.5	1630.6
4552.7	17.5°	4557.0	4526.4	4274.7	3478.0	2598.1	1963.3	1698.5	1551.8	1470.9	1416.1
4830.6	20°	4832.8	4782.5	4336.0	3235.0	2241.3	1731.3	1512.4	1389.9	1328.6	1280.4
5224.6	22.5°	5218.1	5145.8	4410.4	2972.4	1989.6	1571.5	1374.6	1284.8	1234.5	1179.8
5774.0	25°	5695.2	5609.8	4502.3	2729.4	1816.7	1433.7	1273.9	1199.5	1140.4	1076.9
6494.1	27.5°	6362.8	6209.6	4611.8	2530.2	1667.9	1315.5	1181.9	1098.8	1030.9	978.4
7310.5	30°	7107.0	6855.3	4708.1	2409.8	1532.1	1206.0	1061.6	978.4	914.9	877.7
8043.8	32.5°	7811.8	7470.3	4771.5	2357.3	1409.6	1081.3	930.2	840.5	792.3	781.4
8761.7	35°	8477.1	8026.3	4765.0	2307.0	1300.1	956.5	801.1	709.2	672.0	678.5
9534.3	37.5°	9243.2	8619.4	4719.0	2228.2	1210.4	842.7	689.5	608.5	575.6	577.8
10473.3	40°	10134.1	9304.5	4690.6	2079.3	1111.9	737.6	597.5	531.9	507.8	499.0
11462.6	42.5°	11084.0	9967.7	4694.9	1910.8	989.3	643.5	534.1	479.3	457.5	450.9
12563.6	45°	12038.3	10600.3	4701.5	1735.7	860.2	571.3	488.1	442.1	429.0	420.2
13679.9	47.5°	12935.7	11138.7	4578.9	1547.5	733.2	516.6	450.9	420.2	409.3	398.4
14800.5	50°	13771.8	11497.7	4283.4	1328.6	632.6	472.8	422.4	400.5	389.6	378.7
15816.1	52.5°	14421.9	11554.6	3795.3	1103.1	562.5	439.9	404.9	385.2	372.1	361.1
16636.9	55°	14710.8	11197.8	3101.5	893.0	507.8	411.5	387.4	367.7	352.4	341.4
17282.6	57.5°	14636.4	10447.0	2418.6	717.9	455.3	383.0	365.5	352.4	334.9	317.4
17805.7	60°	14270.8	9442.4	1823.3	597.5	407.1	352.4	341.4	330.5	306.4	280.2
18007.1	62.5°	13638.3	8179.5	1300.1	494.7	354.6	317.4	313.0	304.2	269.2	221.1
17709.4	65°	12670.8	6645.1	875.5	411.5	304.2	278.0	280.2	264.8	218.9	164.2
16619.4	67.5°	11256.9	4859.1	560.3	337.1	253.9	232.0	234.2	225.4	186.0	140.1
14553.2	70°	9455.5	3217.5	365.5	256.1	203.6	179.5	192.6	194.8	157.6	113.8
11169.3	72.5°	6931.9	1899.9	256.1	190.4	148.8	124.8	157.6	162.0	126.9	85.4
6719.6	75°	3950.7	901.8	192.6	137.9	91.9	87.6	122.6	122.6	87.6	56.9
2908.9	77.5°	1659.1	376.5	135.7	89.7	52.5	50.3	83.2	76.6	43.8	26.3
709.2	80°	479.3	168.5	72.2	43.8	21.9	19.7	32.8	24.1	10.9	4.4
269.2	82.5°	188.2	74.4	28.5	17.5	8.8	8.8	4.4	0.0	0.0	0.0
153.2	85°	111.6	30.6	13.1	6.6	2.2	0.0	0.0	0.0	0.0	0.0
32.8	87.5°	28.5	6.6	4.4	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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3797.5
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