

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: McGRAW-EDISON

Report Number: P953306

Luminaire Tested: **GALN-SB6D-927-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-927-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31803 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

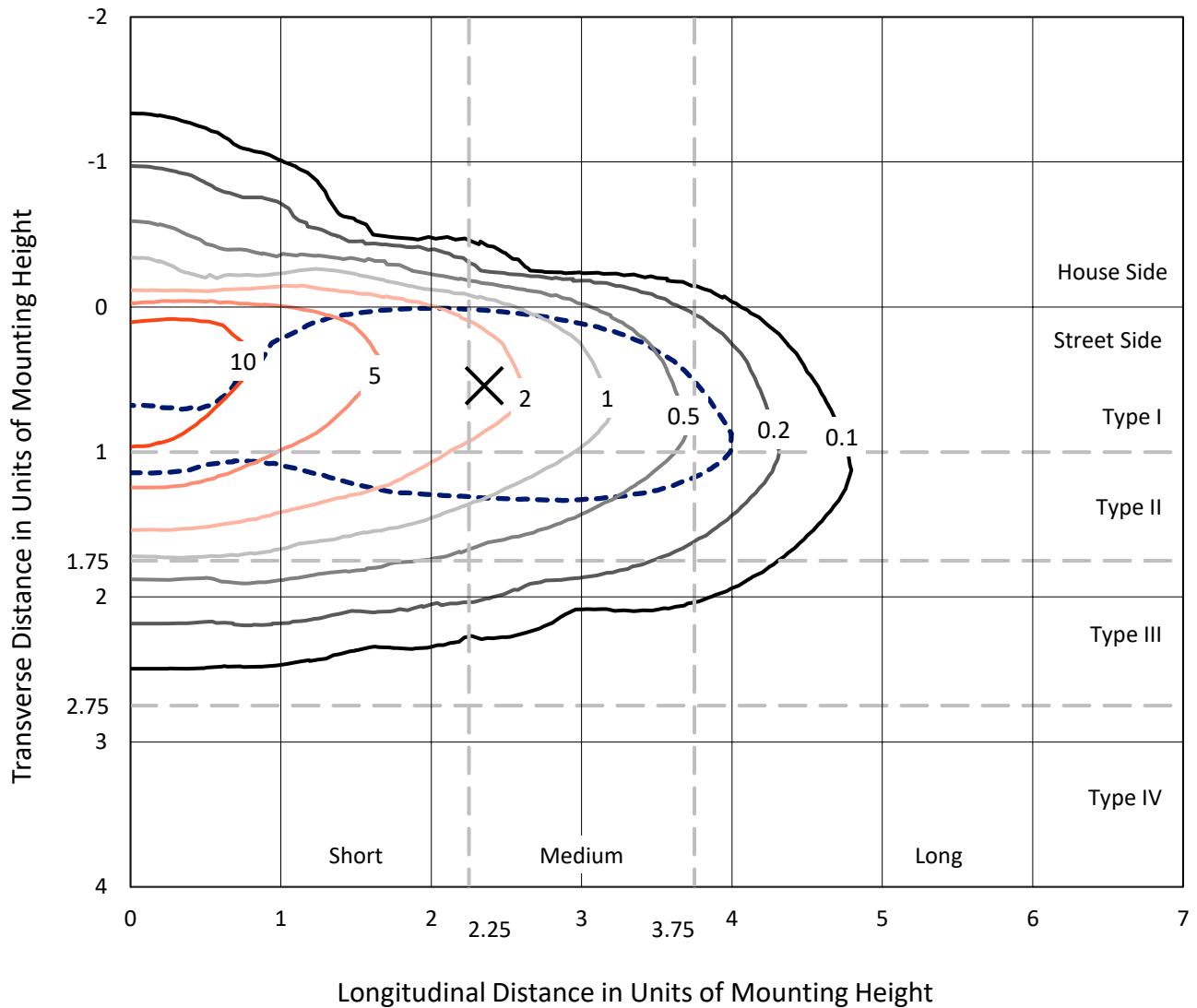
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

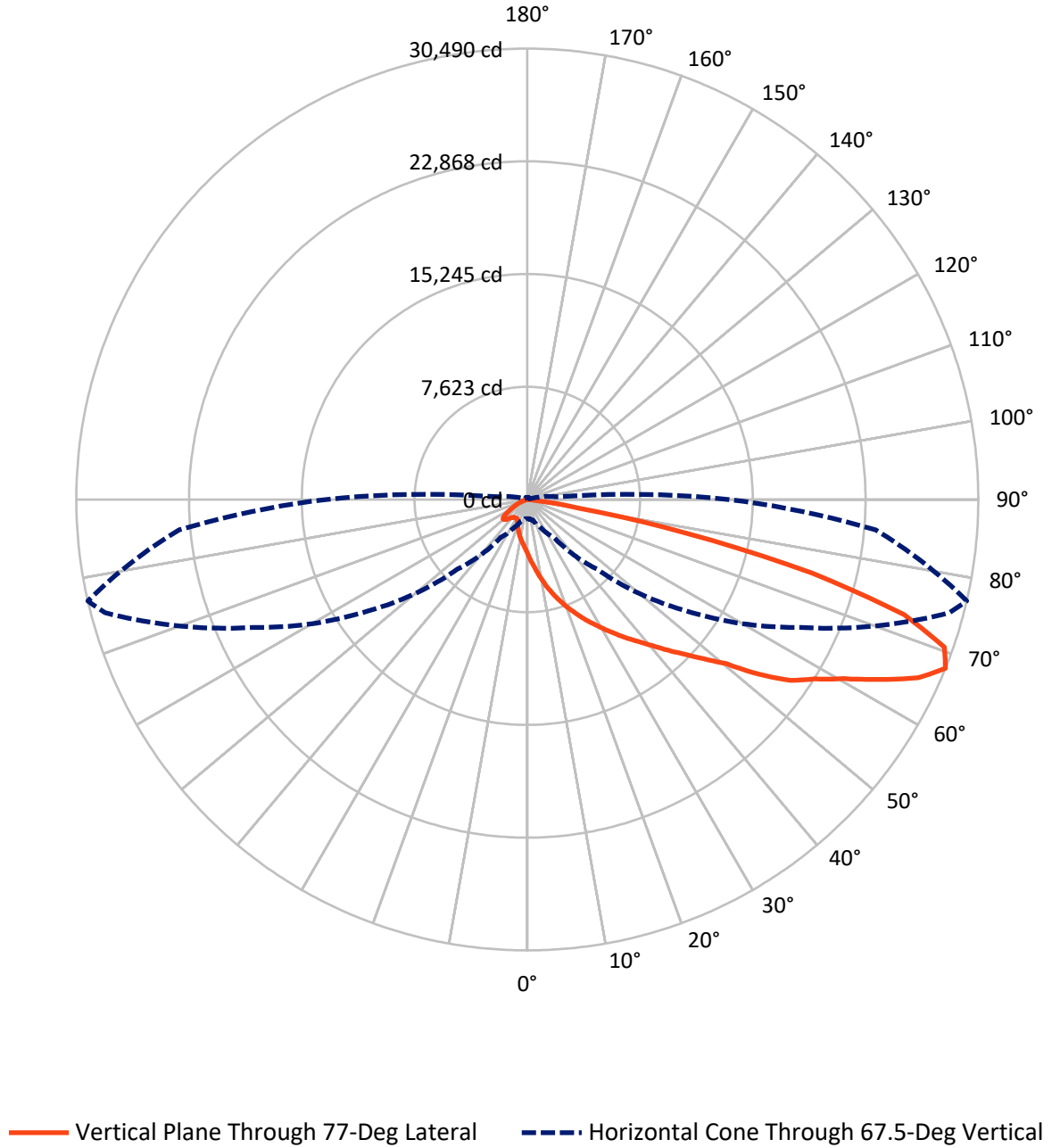
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2339.8	0.0	2339.8
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	29463.2	0.0	29463.2
	% Fixture	92.6	0.0	92.6
Total	Lumens	31803.0	0.0	31803.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.3	1.2
10°-20°	1310.8	4.1
20°-30°	2529.5	8.0
30°-40°	4391.3	13.8
40°-50°	6376.0	20.0
50°-60°	7322.0	23.0
60°-70°	6356.9	20.0
70°-80°	2994.1	9.4
80°-90°	148.1	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°	31803.0	100.0
0°-180°	31803.0	100.0



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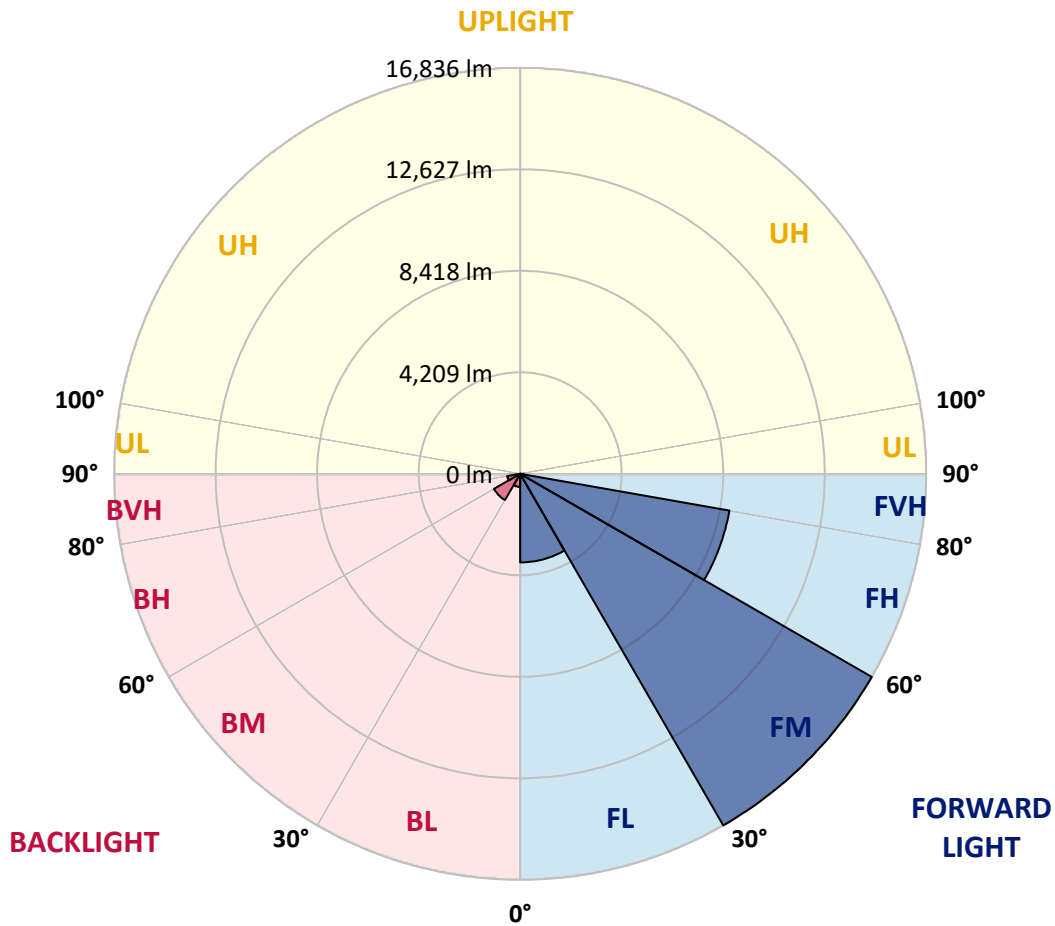
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3672.9	11.5			
FM (30°-60°)	16835.7	52.9			
FH (60°-80°)	8809.3	27.7			G4/12000
FVH (80°-90°)	145.3	0.5			G2/225
BL (0°-30°)	541.7	1.7	B2/1000		
BM (30°-60°)	1253.7	3.9	B2/2500		
BH (60°-80°)	541.7	1.7	B2/1000		G2/1000
BVH (80°-90°)	2.7	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-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3667.4	3667.4	3667.4	3667.4	3667.4	3667.4	3667.4	3667.4	3667.4	3667.4
2.5°	5077.4	5109.0	5063.6	4976.7	4846.4	4761.4	4554.1	4358.6	4141.3	4072.2
5°	6189.3	6216.9	6165.6	6070.8	5897.0	5731.1	5458.6	5049.8	4625.2	4488.9
7.5°	7012.8	7028.6	7008.9	6922.0	6756.1	6568.5	6264.3	5780.5	5150.5	5000.4
10°	7605.3	7656.6	7650.7	7617.1	7506.5	7354.5	7030.6	6479.6	5739.0	5545.5
12.5°	7998.3	8055.5	8089.1	8164.2	8158.2	8061.5	7777.1	7194.5	6325.5	6098.4
15°	8112.8	8174.0	8302.4	8476.2	8630.2	8679.6	8480.1	7895.6	6971.3	6681.0
17.5°	8047.6	8142.4	8296.5	8571.0	8908.7	9131.8	9110.1	8573.0	7557.9	7226.1
20°	8191.8	8282.6	8403.1	8634.2	9027.2	9432.0	9594.0	9220.7	8140.5	7792.9
22.5°	8989.7	8973.9	8985.7	9023.2	9258.2	9659.1	9992.9	9809.2	8717.1	8361.6
25°	10253.6	10182.5	10062.0	9858.6	9799.4	9992.9	10340.5	10330.6	9325.4	8944.2
27.5°	11703.1	11691.3	11408.9	10919.1	10642.6	10567.6	10733.5	10838.1	9927.7	9520.9
30°	13091.5	13123.1	12741.9	12196.9	11689.3	11395.1	11245.0	11320.0	10539.9	10143.0
32.5°	14300.1	14333.7	13919.0	13281.1	12653.1	12297.6	11981.6	11796.0	11207.4	10774.9
35°	15321.1	15354.7	14878.8	14173.7	13504.2	13182.3	12824.9	12317.3	11878.9	11476.0
37.5°	16233.5	16223.6	15585.8	14874.8	14217.2	13962.4	13774.8	12959.2	12570.1	12181.1
40°	16772.7	16814.1	16269.1	15485.0	14847.2	14661.5	14649.7	13755.0	13368.0	12990.8
42.5°	16930.7	17003.7	16608.7	15964.9	15386.3	15184.9	15494.9	14616.1	14296.2	13928.8
45°	16646.3	16717.4	16537.7	16091.3	15753.6	15623.3	16221.7	15508.7	15287.6	14924.2
47.5°	15816.8	15905.7	15949.1	15854.3	15850.4	15982.7	16873.4	16448.8	16464.6	16093.3
50°	14211.2	14361.3	14760.3	15096.0	15615.4	16267.1	17507.3	17467.8	17791.7	17471.8
52.5°	11292.4	11505.7	12880.2	13798.5	14965.6	16213.8	18204.4	19103.0	20120.1	19652.0
55°	9074.6	9074.6	10192.4	11910.5	13697.8	15862.2	18508.6	20165.5	21705.9	21595.3
57.5°	7397.9	7486.8	8199.7	9718.4	11863.1	15024.9	18696.2	20833.0	22983.7	22902.7
60°	4565.9	4757.5	6104.4	7603.3	9775.7	13533.9	18577.7	21508.4	24533.9	24599.1
62.5°	2571.3	2642.4	3242.8	5470.4	7601.3	11529.4	17671.2	21885.6	26516.7	26793.2
65°	1775.4	1811.0	2042.0	3404.7	5269.0	9179.2	15899.8	21650.6	28503.5	29062.3
67.5°	1289.6	1307.4	1451.5	2079.5	3126.2	6655.3	13123.1	20465.7	29556.1	30490.2
70°	991.4	1003.2	1107.9	1366.6	1846.5	4107.8	9530.8	18109.7	28793.8	29909.6
72.5°	805.8	817.6	898.6	1011.1	1224.4	2429.1	5776.5	14706.9	25428.6	26633.2
75°	679.4	695.2	768.2	841.3	959.8	1560.2	2709.5	10241.7	19122.8	19912.7
77.5°	377.2	347.6	624.1	697.1	809.7	987.4	1267.9	6027.3	10709.8	10929.0
80°	235.0	242.9	495.7	560.9	622.1	497.7	580.6	2320.5	3712.8	3527.1
82.5°	13.8	31.6	381.2	404.9	426.6	213.3	219.2	788.0	894.6	821.6
85°	0.0	0.0	173.8	140.2	148.1	61.2	63.2	183.7	120.5	130.3
87.5°	0.0	0.0	0.0	3.9	0.0	5.9	11.8	15.8	5.9	7.9
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°
3667.4	0°	3667.4	3667.4	3667.4	3667.4	3667.4	3667.4	3667.4	3667.4	3667.4	3667.4
3855.0	2.5°	3716.7	3578.5	3298.1	3023.5	2800.4	2593.0	2444.9	2304.7	2233.6	2229.6
4103.8	5°	3829.3	3539.0	2978.1	2482.4	2083.5	1763.6	1556.2	1408.1	1333.0	1307.4
4409.9	7.5°	3987.3	3550.8	2697.7	2008.5	1538.4	1263.9	1145.4	1098.0	1082.2	1064.5
4755.5	10°	4186.7	3578.5	2446.9	1617.4	1212.6	1074.3	1026.9	1007.2	995.3	983.5
5144.6	12.5°	4409.9	3604.2	2198.0	1342.9	1066.4	995.3	961.8	938.1	922.3	908.4
5543.5	15°	4627.1	3620.0	1939.3	1151.4	991.4	934.1	898.6	872.9	851.2	835.4
5934.5	17.5°	4842.4	3641.7	1696.4	1036.8	930.2	872.9	837.3	805.8	788.0	770.2
6345.3	20°	5081.4	3637.7	1467.3	955.8	868.9	811.7	774.2	744.5	726.8	707.0
6779.8	22.5°	5302.6	3618.0	1265.9	886.7	805.8	750.5	709.0	679.4	661.6	645.8
7224.1	25°	5557.3	3602.2	1098.0	823.5	746.5	691.2	645.8	618.1	598.4	584.6
7670.4	27.5°	5802.2	3578.5	975.6	766.3	689.2	635.9	592.5	560.9	543.1	533.2
8130.6	30°	6043.1	3572.6	930.2	711.0	637.9	584.6	541.1	511.5	497.7	493.7
8636.2	32.5°	6333.4	3588.4	949.9	691.2	590.5	537.2	495.7	474.0	460.1	460.1
9199.0	35°	6643.5	3584.4	979.5	709.0	558.9	489.8	458.2	444.3	430.5	430.5
9823.1	37.5°	7032.6	3590.3	1003.2	738.6	547.0	450.3	432.5	414.7	406.8	406.8
10506.4	40°	7613.2	3785.8	991.4	764.3	543.1	422.6	387.1	381.2	375.2	375.2
11278.5	42.5°	8324.1	4210.4	1007.2	766.3	541.1	402.9	355.5	367.3	353.5	351.5
12149.5	45°	9102.2	4674.5	1107.9	724.8	539.1	393.0	339.7	353.5	331.8	331.8
13158.6	47.5°	9874.4	5134.7	1210.6	665.5	533.2	391.0	325.9	318.0	312.0	314.0
14473.9	50°	10938.9	5509.9	1250.1	584.6	519.4	387.1	300.2	302.2	298.2	302.2
16328.3	52.5°	12098.1	5588.9	1202.7	493.7	479.9	375.2	282.4	290.3	288.3	292.3
17633.7	55°	12820.9	5504.0	993.4	410.8	418.7	327.8	264.6	280.4	280.4	280.4
18909.5	57.5°	13567.4	5142.6	705.0	333.8	347.6	268.6	248.8	270.6	268.6	266.6
20445.9	60°	14104.6	4558.0	464.1	274.5	276.5	221.2	231.1	254.8	252.8	242.9
22029.8	62.5°	14505.5	3912.2	298.2	233.0	211.3	199.5	211.3	231.1	223.2	201.4
23372.7	65°	14460.1	3017.6	229.1	199.5	173.8	173.8	183.7	201.4	177.7	142.2
23629.4	67.5°	13616.8	2042.0	189.6	167.9	146.1	144.2	152.1	167.9	152.1	120.5
22314.2	70°	12110.0	1335.0	152.1	130.3	116.5	106.6	122.4	144.2	128.4	96.8
18996.4	72.5°	9829.0	813.7	114.5	94.8	84.9	69.1	96.8	118.5	102.7	71.1
13210.0	75°	6359.1	414.7	79.0	61.2	45.4	41.5	71.1	88.9	71.1	43.4
5861.4	77.5°	2433.1	173.8	43.4	27.6	23.7	19.7	39.5	53.3	29.6	9.9
1135.6	80°	468.0	73.1	21.7	13.8	11.8	7.9	5.9	3.9	0.0	0.0
201.4	82.5°	81.0	23.7	7.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
39.5	85°	27.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.8	87.5°	9.9	0.0	0.0	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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<u>180°</u>
3667.4
2225.7
1303.4
1060.5
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904.5
833.4
768.2
705.0
643.8
582.6
533.2
491.7
460.1
430.5
406.8
375.2
349.6
331.8
314.0
302.2
292.3
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