

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: P952909

Luminaire Tested: **GALN-SB6C-840-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952909  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-840-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

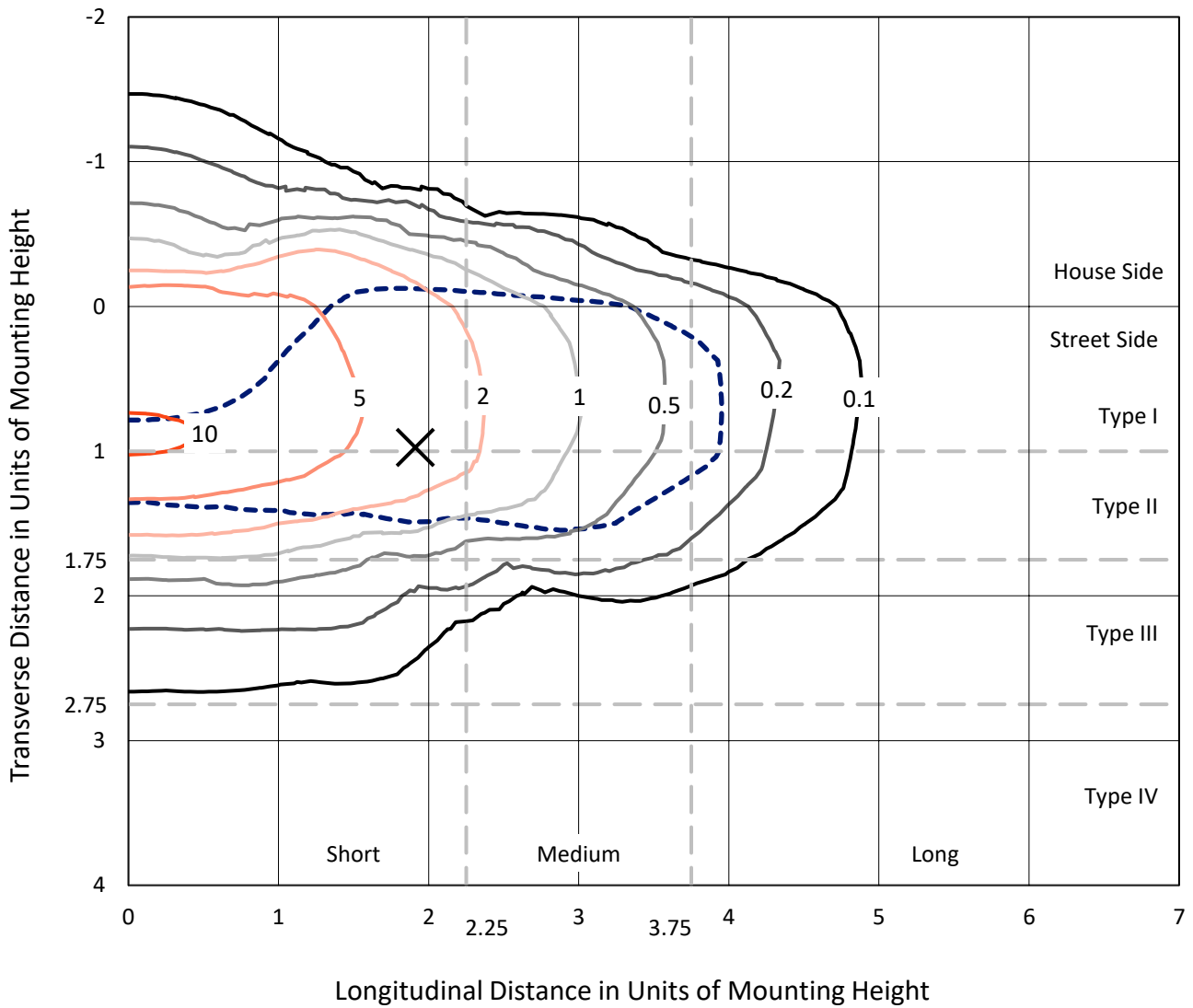
Lumens per Lamp: N/A  
Luminaire Lumens: 33199 lumens  
Efficiency: N/A  
Efficacy: 110.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

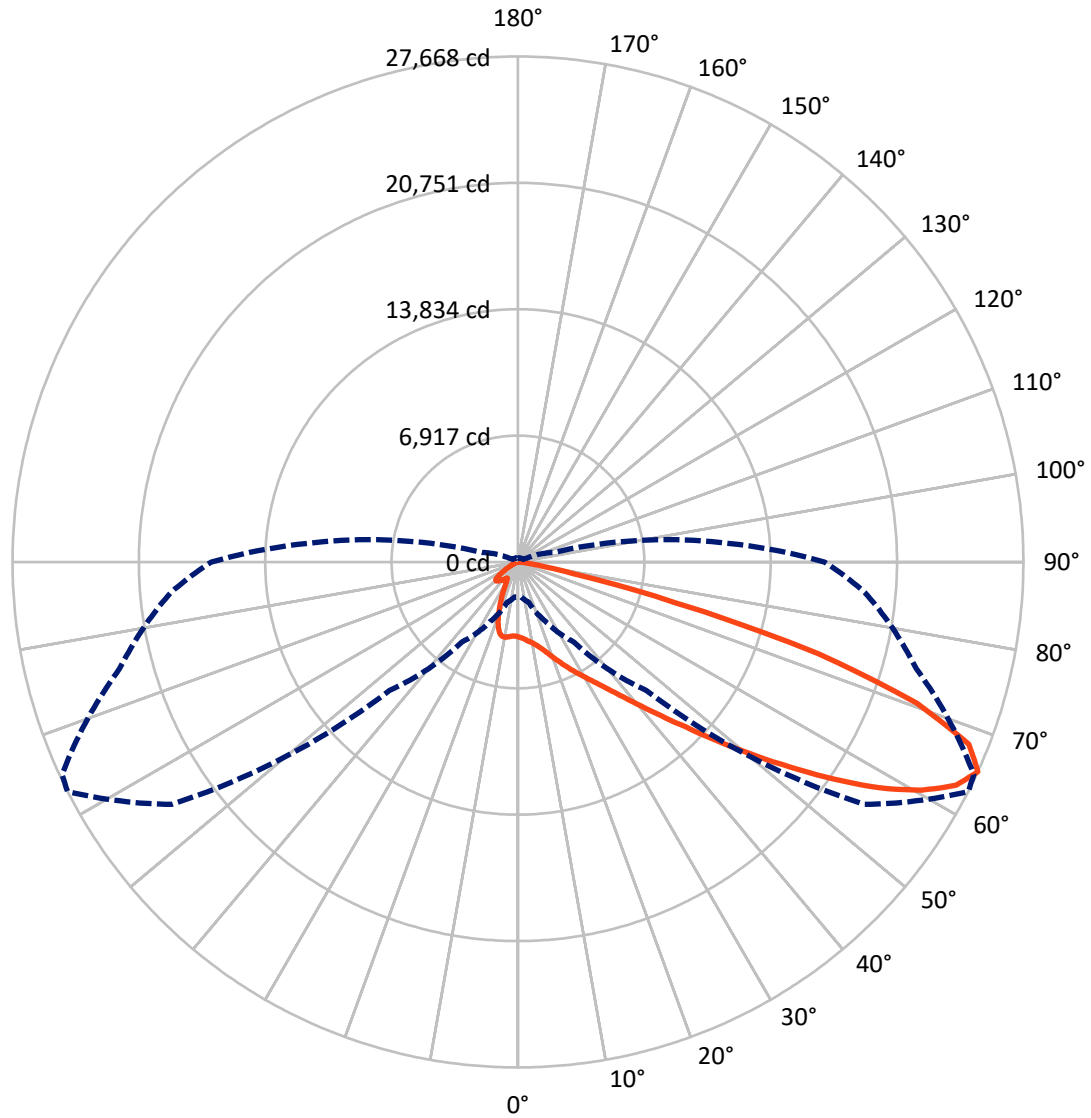
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4880.0	0.0	4880.0
	% Fixture	14.7	0.0	14.7
<b>Street Side</b>	Lumens	28319.0	0.0	28319.0
	% Fixture	85.3	0.0	85.3
<b>Total</b>	Lumens	33199.0	0.0	33199.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	386.1	1.2
10°-20°	1071.2	3.2
20°-30°	1865.1	5.6
30°-40°	3361.7	10.1
40°-50°	6667.4	20.1
50°-60°	9082.1	27.4
60°-70°	7249.2	21.8
70°-80°	3280.4	9.9
80°-90°	235.8	0.7
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°	33199.0	100.0
0°-180°	33199.0	100.0

**Coefficient of Utilization**



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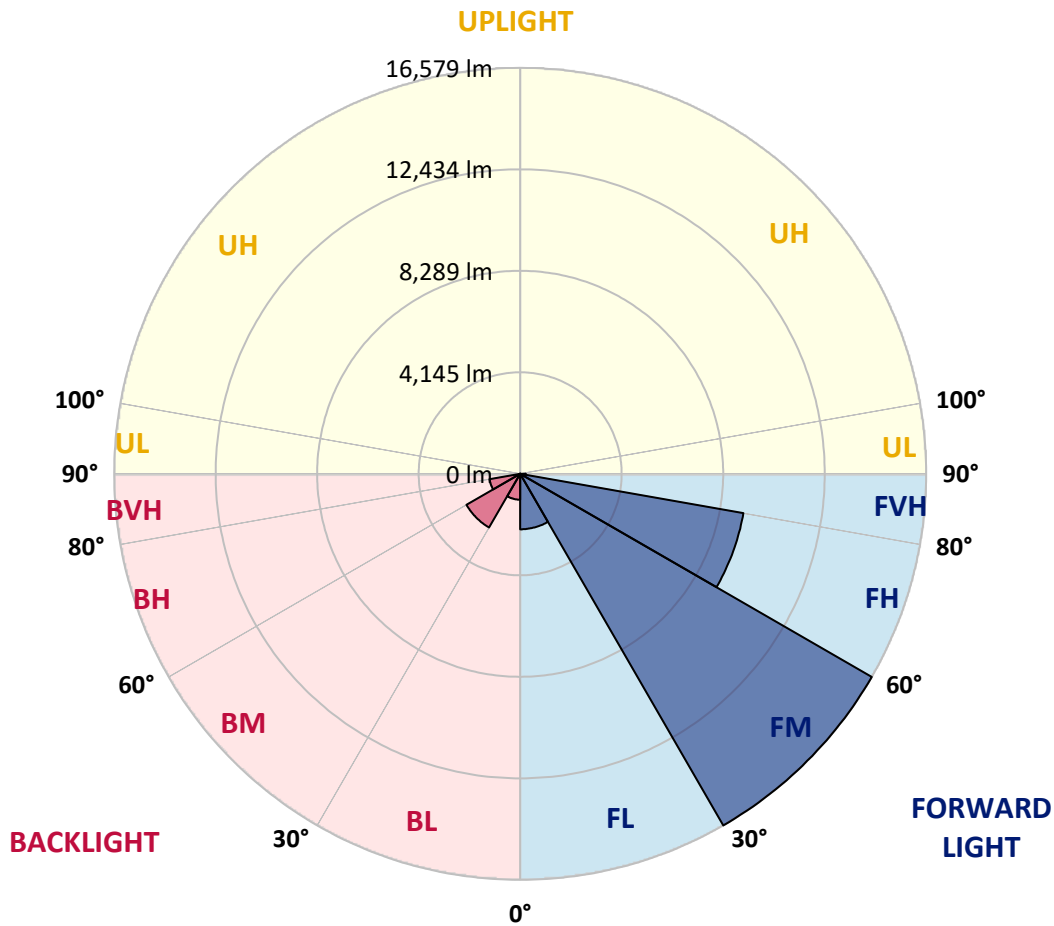
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2266.2	6.8			
FM (30°-60°)	16578.7	49.9			
FH (60°-80°)	9255.7	27.9			G4/12000
FVH (80°-90°)	218.3	0.7			G2/225
BL (0°-30°)	1056.1	3.2	B3/2500		
BM (30°-60°)	2532.4	7.6	B3/5000		
BH (60°-80°)	1274.0	3.8	B3/2500		G3/2500
BVH (80°-90°)	17.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	4097.4	4097.4	4097.4	4097.4	4097.4	4097.4	4097.4	4097.4	4097.4	4097.4
2.5°	4193.3	4181.9	4197.9	4191.0	4186.5	4177.3	4172.8	4168.2	4159.1	4152.2
5°	4204.7	4197.9	4213.9	4227.6	4241.3	4255.0	4261.8	4271.0	4261.8	4243.6
7.5°	4108.8	4104.2	4138.5	4179.6	4241.3	4293.8	4350.9	4382.9	4385.2	4378.3
10°	4102.0	4090.5	4124.8	4175.0	4255.0	4348.6	4449.1	4517.6	4526.8	4556.5
12.5°	4209.3	4197.9	4245.8	4300.7	4382.9	4481.1	4604.4	4700.3	4714.0	4755.2
15°	4389.7	4373.7	4428.6	4499.4	4604.4	4716.3	4846.5	4933.3	4944.7	4995.0
17.5°	4599.9	4583.9	4647.8	4723.2	4837.4	4990.4	5141.1	5237.1	5250.8	5282.7
20°	4869.4	4848.8	4899.0	4967.6	5088.6	5271.3	5451.8	5588.8	5586.5	5586.5
22.5°	5182.3	5150.3	5193.7	5248.5	5362.7	5584.2	5824.0	5986.2	5986.2	5922.2
25°	5518.0	5486.0	5534.0	5584.2	5684.7	5936.0	6216.9	6417.9	6427.0	6317.4
27.5°	5938.2	5897.1	5933.7	5993.1	6052.4	6308.2	6641.7	6874.7	6879.2	6710.2
30°	6746.8	6630.3	6516.1	6452.1	6479.5	6733.0	7089.3	7347.4	7370.3	7137.3
32.5°	8226.7	8203.9	7801.9	7276.6	7002.6	7189.8	7589.5	7900.1	7913.8	7614.6
35°	10526.7	10499.3	9852.9	8852.5	7959.5	7801.9	8197.1	8564.8	8555.6	8217.6
37.5°	13272.0	13246.8	12394.9	11056.5	9610.8	8726.9	8980.4	9366.4	9423.5	8980.4
40°	15617.6	15523.9	14984.9	13694.5	11803.4	10261.7	10095.0	10350.8	10410.2	9884.9
42.5°	17394.5	17314.5	17040.5	16234.2	14457.3	12532.0	11408.3	11506.5	11572.7	10942.3
45°	18314.9	18296.6	18406.3	18330.9	17161.5	15318.4	13285.7	12876.8	12902.0	12114.0
47.5°	18445.1	18435.9	18936.1	19644.1	19486.6	18461.1	15695.2	14585.2	14496.2	13436.4
50°	17677.7	17659.4	18618.7	19945.6	21039.6	21101.3	18431.4	16510.6	16314.2	14804.5
52.5°	15227.0	15222.4	16798.4	19006.9	21585.5	23412.6	21135.6	18625.5	18296.6	16252.5
55°	11716.6	11801.1	13607.7	16218.2	20589.7	24524.9	23563.4	20973.4	20468.6	17709.7
57.5°	8299.8	8423.2	10209.2	12534.2	17501.8	23867.1	25205.5	23325.9	22782.3	19162.2
60°	4458.2	4567.9	6356.2	9131.2	13020.7	21414.2	26071.1	25367.7	24853.8	20541.7
62.5°	2656.2	2692.8	3432.8	5894.8	8806.9	16359.8	25703.4	26923.1	26500.5	21699.7
65°	1907.1	1913.9	2286.2	3599.5	5346.7	9939.7	23124.9	27667.6	27537.4	22572.2
67.5°	1605.6	1601.0	1756.3	2391.3	3642.9	4979.0	17723.4	26614.7	27167.4	23124.9
70°	1377.2	1384.1	1566.8	1751.8	2738.4	2818.4	8811.4	23172.8	24351.3	23271.0
72.5°	1025.5	1048.3	1217.3	1596.5	2067.0	1939.1	3042.2	17182.1	19313.0	21925.8
75°	724.0	735.4	856.5	1343.0	1541.7	1411.5	1553.1	8882.2	11613.8	16809.8
77.5°	557.3	577.8	648.6	938.7	1518.8	991.2	950.1	3074.2	4723.2	10154.4
80°	301.5	338.0	468.2	678.3	1066.6	701.2	470.5	1224.2	1601.0	4748.3
82.5°	155.3	173.6	326.6	488.8	607.5	612.1	233.0	509.3	660.1	1466.3
85°	61.7	75.4	219.3	269.5	312.9	301.5	105.1	205.6	237.5	406.5
87.5°	13.7	22.8	79.9	61.7	59.4	64.0	25.1	48.0	45.7	48.0
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°
4097.4	0°	4097.4	4097.4	4097.4	4097.4	4097.4	4097.4	4097.4	4097.4	4097.4	4097.4
4124.8	2.5°	4122.5	4113.4	4088.2	4060.8	4028.9	4010.6	3999.2	3996.9	3980.9	3969.5
4216.1	5°	4191.0	4181.9	4133.9	4076.8	4015.2	3967.2	3921.5	3880.4	3821.0	3809.6
4348.6	7.5°	4328.1	4302.9	4225.3	4147.6	4031.1	3891.8	3722.8	3528.7	3355.1	3302.6
4524.5	10°	4497.1	4462.8	4364.6	4227.6	3969.5	3590.3	3181.5	2802.4	2500.9	2416.4
4732.3	12.5°	4688.9	4659.2	4529.0	4275.5	3711.4	3023.9	2398.1	1927.6	1635.3	1562.2
4953.9	15°	4917.3	4873.9	4693.5	4202.4	3250.0	2297.6	1646.7	1368.1	1263.0	1249.3
5207.4	17.5°	5159.4	5088.6	4839.7	3939.8	2628.8	1633.0	1272.2	1192.2	1146.5	1132.8
5463.2	20°	5381.0	5289.6	4926.5	3542.4	1964.2	1272.2	1139.7	1087.2	1046.0	1030.1
5719.0	22.5°	5602.5	5472.3	4926.5	3001.1	1473.1	1128.3	1046.0	998.1	950.1	929.6
5993.1	25°	5833.2	5659.6	4839.7	2398.1	1185.4	1034.6	957.0	904.4	863.3	838.2
6253.4	27.5°	6057.0	5817.2	4641.0	1827.2	1055.2	952.4	874.7	824.5	785.7	767.4
6536.6	30°	6269.4	5972.5	4362.3	1386.4	970.7	872.5	799.4	756.0	717.2	698.9
6904.3	32.5°	6557.2	6168.9	4065.4	1137.4	897.6	797.1	730.9	689.7	655.5	641.8
7381.7	35°	6956.9	6459.0	3809.6	1116.8	835.9	735.4	669.2	630.4	596.1	584.7
7998.3	37.5°	7523.3	6927.2	3674.9	1253.9	785.7	680.6	618.9	577.8	545.9	536.7
8781.7	40°	8222.2	7562.1	3747.9	1390.9	751.4	632.7	573.3	532.2	504.8	493.3
9681.6	42.5°	9051.2	8345.5	4152.2	1496.0	728.6	591.5	529.9	484.2	465.9	461.4
10702.5	45°	10003.6	9206.6	4771.1	1607.9	692.0	552.7	486.5	452.2	438.5	436.2
11812.5	47.5°	11086.2	10152.1	5488.3	1747.2	655.5	516.2	452.2	429.4	418.0	413.4
12970.5	50°	12159.7	11104.5	6226.0	1824.9	625.8	481.9	424.8	406.5	397.4	395.1
14194.7	52.5°	13283.4	12084.3	6822.1	1751.8	600.7	454.5	402.0	388.3	379.1	376.8
15322.9	55°	14354.5	12876.8	6924.9	1486.8	550.4	427.1	376.8	370.0	358.6	358.6
16467.2	57.5°	15277.3	13274.2	6198.6	1091.7	500.2	386.0	351.7	344.9	335.7	333.5
17499.5	60°	16124.6	13160.0	4784.8	735.4	445.4	344.9	319.8	315.2	306.0	294.6
18397.1	62.5°	16601.9	12657.6	3272.9	479.6	390.6	301.5	283.2	280.9	260.4	237.5
19061.7	65°	16782.4	11625.2	2041.8	349.4	326.6	258.1	244.4	239.8	210.1	185.0
19438.6	67.5°	16624.8	9926.0	1030.1	276.4	258.1	214.7	201.0	201.0	180.4	157.6
19415.8	70°	15994.4	7441.1	433.9	221.5	198.7	164.4	164.4	173.6	153.0	127.9
18408.5	72.5°	14626.3	5006.4	230.7	169.0	148.5	116.5	134.8	141.6	121.0	95.9
15067.1	75°	11627.5	3053.6	159.9	125.6	93.6	82.2	102.8	107.3	82.2	64.0
10330.2	77.5°	7952.7	1754.1	107.3	79.9	59.4	48.0	70.8	66.2	43.4	29.7
3983.2	80°	3492.1	730.9	61.7	36.5	22.8	18.3	25.1	18.3	13.7	9.1
545.9	82.5°	408.8	171.3	22.8	13.7	9.1	4.6	2.3	0.0	0.0	0.0
166.7	85°	84.5	20.6	11.4	4.6	2.3	0.0	0.0	0.0	0.0	0.0
29.7	87.5°	16.0	4.6	2.3	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>
4097.4
3980.9
3805.0
3277.5
2384.4
1541.7
1235.6
1126.0
1020.9
918.1
829.1
767.4
701.2
641.8
584.7
534.4
491.0
461.4
433.9
413.4
395.1
376.8
356.3
331.2
292.3
233.0
182.7
155.3
125.6
95.9
61.7
32.0
9.1
0.0
0.0
0.0
0.0

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