

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: P952806

Luminaire Tested: **GALN-SB6C-750-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952806  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-750-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

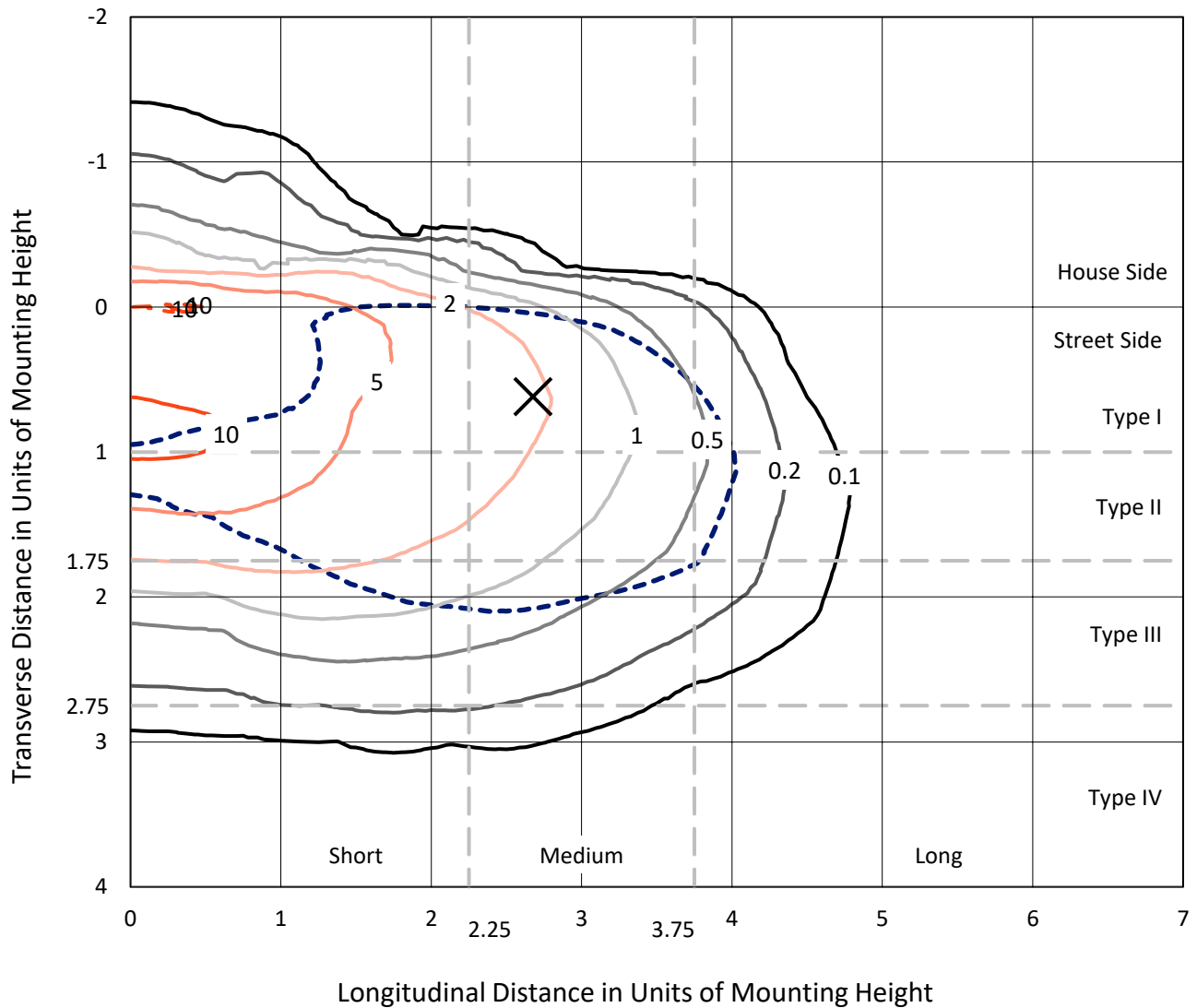
Lumens per Lamp: N/A  
Luminaire Lumens: 40001 lumens  
Efficiency: N/A  
Efficacy: 132.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): 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

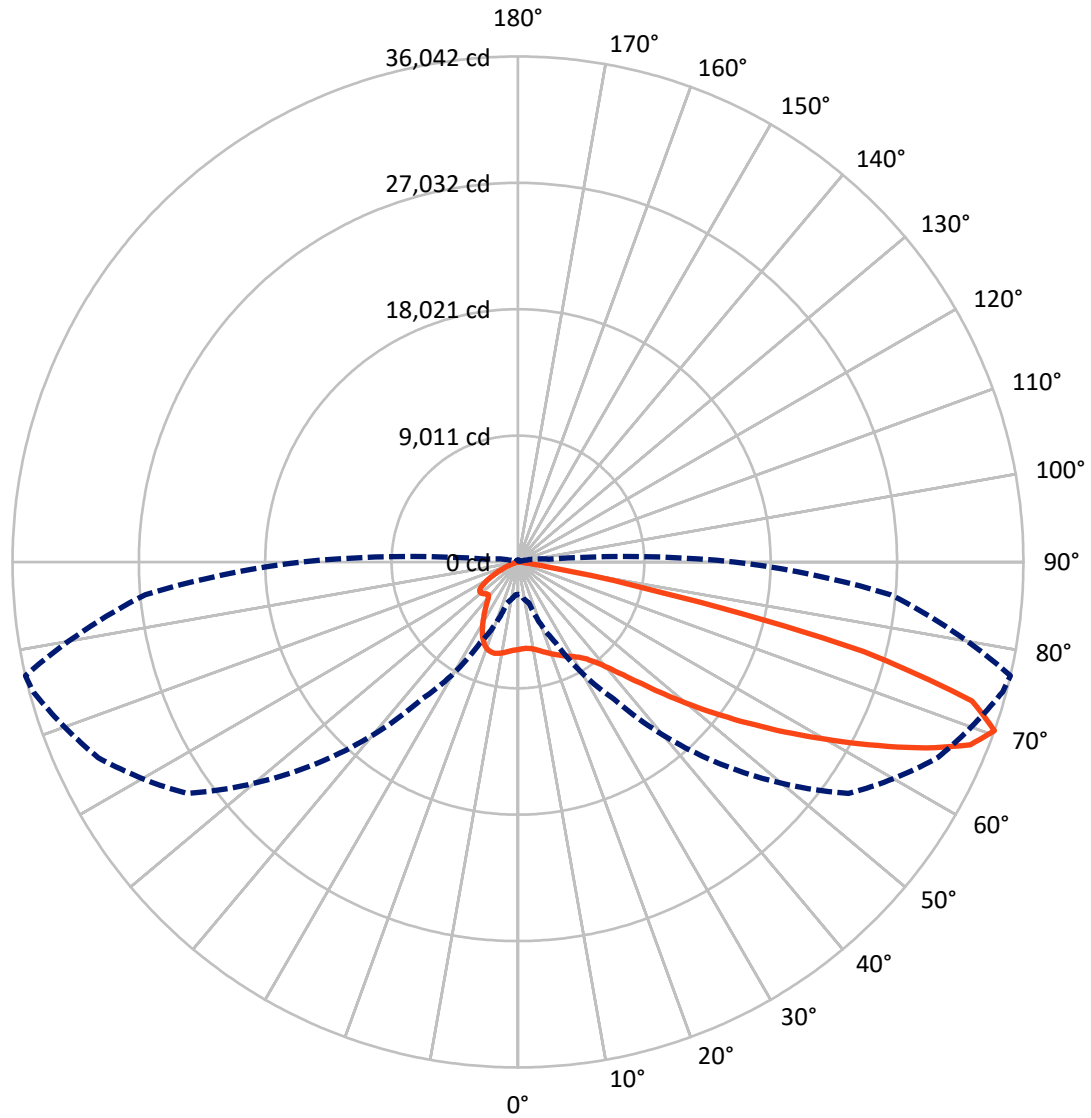
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4216.7	0.0	4216.7
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	35784.3	0.0	35784.3
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	40001.0	0.0	40001.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	537.7	1.3
10°-20°	1276.5	3.2
20°-30°	1974.4	4.9
30°-40°	3582.7	9.0
40°-50°	6762.8	16.9
50°-60°	9771.7	24.4
60°-70°	10401.8	26.0
70°-80°	5512.2	13.8
80°-90°	181.0	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°	40001.0	100.0
0°-180°	40001.0	100.0

**Coefficient of Utilization**



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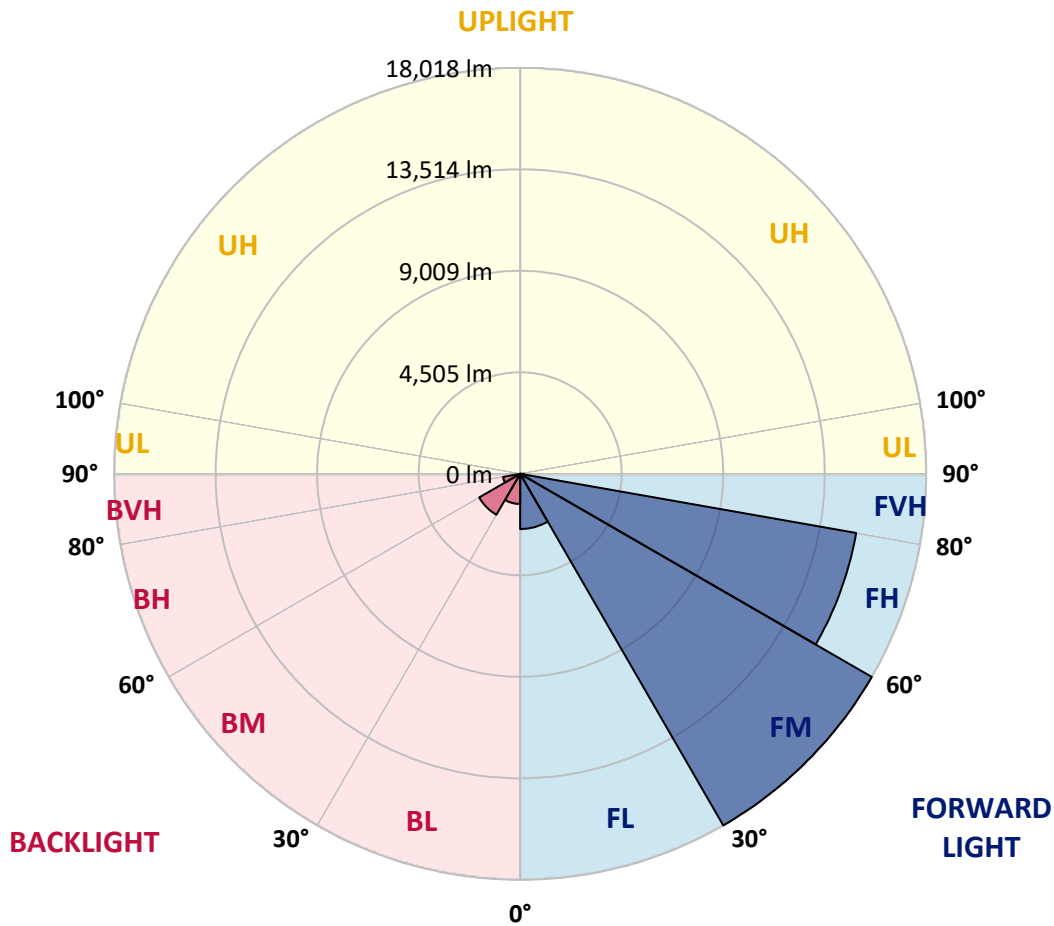
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2449.0	6.1			
FM (30°-60°)	18018.2	45.0			
FH (60°-80°)	15141.0	37.9			G5
FVH (80°-90°)	176.1	0.4			G2/225
BL (0°-30°)	1339.7	3.3	B3/2500		
BM (30°-60°)	2099.1	5.2	B2/2500		
BH (60°-80°)	773.0	1.9	B2/1000		G2/1000
BVH (80°-90°)	4.9	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-G5**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	6239.4	6239.4	6239.4	6239.4	6239.4	6239.4	6239.4	6239.4	6239.4	6239.4
2.5°	5858.0	5911.0	5903.5	5938.8	5951.5	6002.0	6052.5	6120.7	6196.5	6194.0
5°	5527.1	5580.1	5592.8	5640.8	5701.4	5779.7	5883.3	6019.7	6161.1	6183.9
7.5°	5135.5	5191.1	5223.9	5319.9	5431.1	5592.8	5762.0	5961.6	6196.5	6229.3
10°	4744.0	4794.5	4837.5	4973.9	5150.7	5390.7	5666.0	5954.0	6269.7	6317.7
12.5°	4501.5	4549.5	4597.5	4716.2	4936.0	5229.0	5602.9	5989.4	6391.0	6459.2
15°	4415.6	4458.5	4496.4	4602.5	4807.1	5140.6	5590.2	6062.6	6545.1	6636.0
17.5°	4428.2	4451.0	4476.2	4557.1	4756.6	5100.2	5613.0	6188.9	6727.0	6807.8
20°	4501.5	4514.1	4516.6	4572.2	4749.0	5095.1	5658.4	6310.2	6898.7	7007.4
22.5°	4595.0	4600.0	4595.0	4632.8	4797.0	5133.0	5719.1	6456.7	7090.7	7191.8
25°	5032.0	4936.0	4814.7	4741.5	4877.9	5206.3	5810.0	6653.7	7300.4	7398.9
27.5°	6388.5	6113.1	5678.6	5191.1	5044.6	5312.4	5936.3	6853.3	7512.6	7601.0
30°	8591.2	8230.0	7492.4	6393.5	5580.1	5534.7	6100.5	7052.8	7737.4	7833.4
32.5°	10799.0	10710.6	9859.3	8338.6	6785.1	6029.8	6373.3	7323.1	8035.5	8111.3
35°	13032.1	12852.7	12155.5	10652.5	8641.7	7037.7	6828.0	7676.8	8427.0	8512.9
37.5°	14742.2	14633.6	14201.7	12963.9	10844.5	8593.7	7606.0	8224.9	8995.4	9091.4
40°	16252.8	16202.3	16055.8	15239.9	13307.4	10629.8	8816.0	9073.7	9783.5	9897.2
42.5°	17440.1	17558.8	17642.2	17414.8	15846.1	12953.8	10442.8	10266.0	10882.4	10998.6
45°	18655.1	18695.6	19031.5	19359.9	18367.2	15383.9	12276.8	11662.9	12249.0	12393.0
47.5°	19435.7	19597.4	20188.5	20767.0	20486.6	17793.8	14247.1	13312.5	13832.8	14103.1
50°	19493.8	19799.5	20612.9	21620.8	22030.0	20087.4	16389.2	15191.9	15745.1	16043.2
52.5°	18526.3	19001.2	20261.7	21737.0	22863.6	22030.0	18604.6	17071.3	17781.1	18170.1
55°	14204.2	14825.6	18940.6	21105.5	22896.4	23502.7	20761.9	19029.0	20049.5	20489.1
57.5°	12375.3	12688.5	14891.3	20009.1	22287.7	24096.3	22712.0	20893.3	22517.5	23063.2
60°	10296.3	10708.1	12489.0	18215.6	21461.6	24154.4	24434.8	23298.1	25192.7	25806.5
62.5°	6997.3	7444.4	9215.2	15133.8	20332.5	24126.7	25846.9	25773.7	28165.9	28825.2
65°	4334.8	4615.2	5782.2	12357.6	18753.7	24157.0	27324.7	28779.7	31303.3	31972.7
67.5°	3425.4	3554.2	4163.0	9488.0	16033.1	23474.9	28799.9	31606.4	34256.3	34786.7
70°	2301.3	2379.6	3028.8	6360.7	11928.2	20327.4	28772.1	33026.1	35777.0	36042.2
72.5°	1212.5	1273.1	1770.8	2945.4	7204.4	14449.2	24253.0	31328.5	34263.8	33864.7
75°	606.3	707.3	1192.3	1495.4	3076.8	8058.2	15060.5	24700.1	26968.5	25422.5
77.5°	459.7	555.7	985.2	985.2	1071.1	2713.0	6378.4	13471.6	12425.8	10346.9
80°	293.0	378.9	861.4	745.2	447.1	689.6	1662.2	3774.0	2639.8	2008.2
82.5°	171.8	247.6	717.4	492.6	250.1	255.1	469.9	803.3	684.6	533.0
85°	68.2	161.7	492.6	194.5	98.5	63.2	141.5	171.8	141.5	106.1
87.5°	0.0	37.9	85.9	0.0	7.6	5.1	10.1	12.6	12.6	10.1
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°
6239.4	0°	6239.4	6239.4	6239.4	6239.4	6239.4	6239.4	6239.4	6239.4	6239.4	6239.4
6244.5	2.5°	6267.2	6272.3	6287.4	6290.0	6254.6	6209.1	6191.4	6183.9	6153.5	6151.0
6284.9	5°	6343.0	6365.7	6343.0	6277.3	6120.7	5900.9	5734.2	5597.8	5474.0	5436.1
6423.8	7.5°	6494.6	6517.3	6449.1	6191.4	5797.4	5360.4	4966.3	4688.4	4438.3	4344.9
6593.1	10°	6711.8	6742.1	6527.4	6007.0	5309.8	4607.6	3940.7	3470.8	3104.6	2955.5
6823.0	12.5°	6984.6	6997.3	6570.4	5726.6	4675.8	3672.9	2728.2	2225.5	1899.6	1778.4
7100.8	15°	7285.2	7267.6	6575.4	5345.2	3811.9	2596.8	1780.9	1462.6	1331.2	1290.8
7378.7	17.5°	7601.0	7527.7	6474.4	4794.5	2864.6	1775.8	1321.1	1245.4	1222.6	1212.5
7654.0	20°	7911.7	7747.5	6290.0	4074.6	2056.2	1326.2	1199.9	1177.2	1164.5	1159.5
7931.9	22.5°	8194.6	7914.2	5974.2	3238.4	1492.9	1172.1	1134.2	1114.0	1091.3	1081.2
8202.2	25°	8470.0	8010.2	5529.6	2457.9	1194.8	1096.3	1066.0	1028.1	997.8	985.2
8492.7	27.5°	8737.7	8070.8	4973.9	1818.8	1066.0	1025.6	970.0	917.0	894.2	889.2
8803.4	30°	9023.2	8091.1	4342.3	1356.5	987.7	937.2	856.3	795.7	783.1	785.6
9222.7	32.5°	9371.8	8121.4	3705.8	1111.5	922.0	831.1	735.1	671.9	661.8	671.9
9834.1	35°	9788.6	8182.0	3091.9	1023.1	863.9	722.5	618.9	565.8	555.7	563.3
10617.1	37.5°	10354.4	8280.5	2518.5	1005.4	815.9	631.5	520.4	477.4	477.4	480.0
11577.1	40°	11107.2	8543.2	2005.7	992.8	790.7	563.3	439.5	421.9	429.4	434.5
12799.7	42.5°	12024.2	9101.5	1659.6	977.6	762.9	533.0	399.1	391.5	404.2	409.2
14264.8	45°	13052.3	9808.8	1538.4	952.3	737.6	553.2	381.4	371.3	386.5	389.0
15906.8	47.5°	14115.8	10500.9	1523.2	924.5	712.4	583.5	376.4	353.7	371.3	373.9
17659.9	50°	15191.9	10953.1	1538.4	881.6	671.9	583.5	378.9	336.0	351.1	358.7
19478.7	52.5°	16275.6	11160.2	1528.3	788.1	601.2	548.2	378.9	320.8	336.0	341.0
21443.9	55°	17326.4	11119.8	1374.2	649.2	510.3	485.0	368.8	308.2	318.3	320.8
23300.6	57.5°	18157.5	10556.5	1088.7	505.2	414.3	404.2	336.0	293.0	300.6	298.1
25003.2	60°	18592.0	9318.7	778.0	389.0	325.9	318.3	295.6	272.8	277.9	265.2
26445.6	62.5°	18597.0	7681.8	520.4	308.2	260.2	252.6	252.6	245.0	240.0	214.7
27562.1	65°	18200.5	5865.6	346.1	245.0	209.7	197.0	212.2	209.7	192.0	156.6
27903.2	67.5°	17301.2	3844.7	262.7	192.0	161.7	154.1	169.2	176.8	164.2	131.4
26660.3	70°	15452.1	2238.1	217.2	149.0	121.3	113.7	136.4	151.6	136.4	106.1
22787.8	72.5°	12835.0	1207.5	176.8	111.1	83.4	75.8	108.6	123.8	108.6	78.3
14621.0	75°	8328.5	646.7	136.4	73.3	42.9	48.0	80.8	90.9	75.8	50.5
4291.8	77.5°	2796.4	285.4	85.9	35.4	20.2	20.2	48.0	55.6	35.4	17.7
780.6	80°	623.9	118.7	35.4	15.2	7.6	7.6	10.1	10.1	5.1	0.0
240.0	82.5°	204.6	48.0	15.2	5.1	0.0	0.0	0.0	0.0	0.0	0.0
60.6	85°	78.3	17.7	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.2	87.5°	30.3	2.5	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>
6239.4
6156.1
5413.4
4307.0
2892.4
1740.5
1290.8
1210.0
1154.4
1078.6
980.1
884.1
785.6
669.4
560.8
477.4
434.5
409.2
391.5
376.4
361.2
341.0
320.8
298.1
262.7
207.1
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