

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: P952865

Luminaire Tested: **GALN-SB6C-830-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952865
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-SB6C-830-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 615mA 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: 34551 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

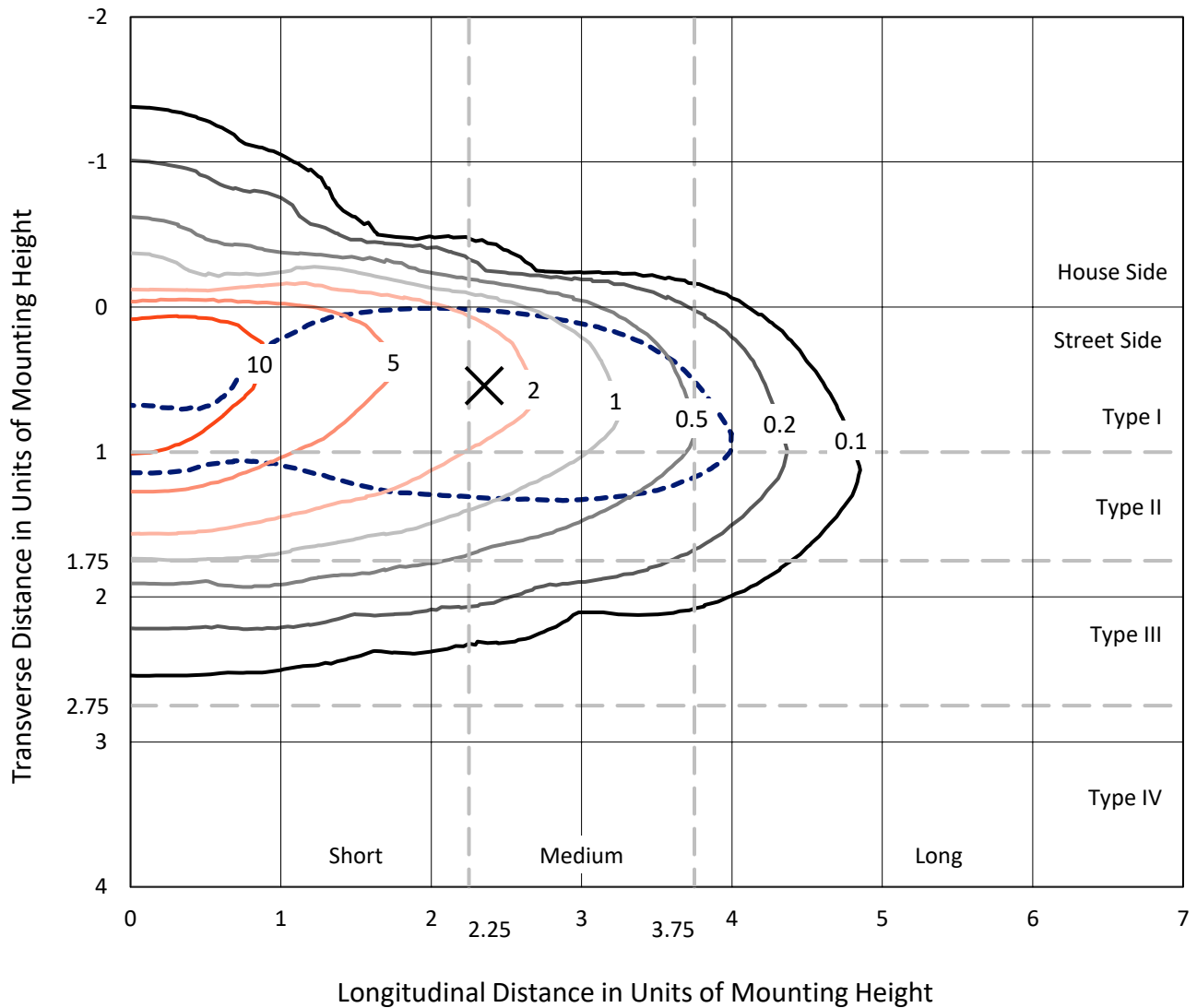
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

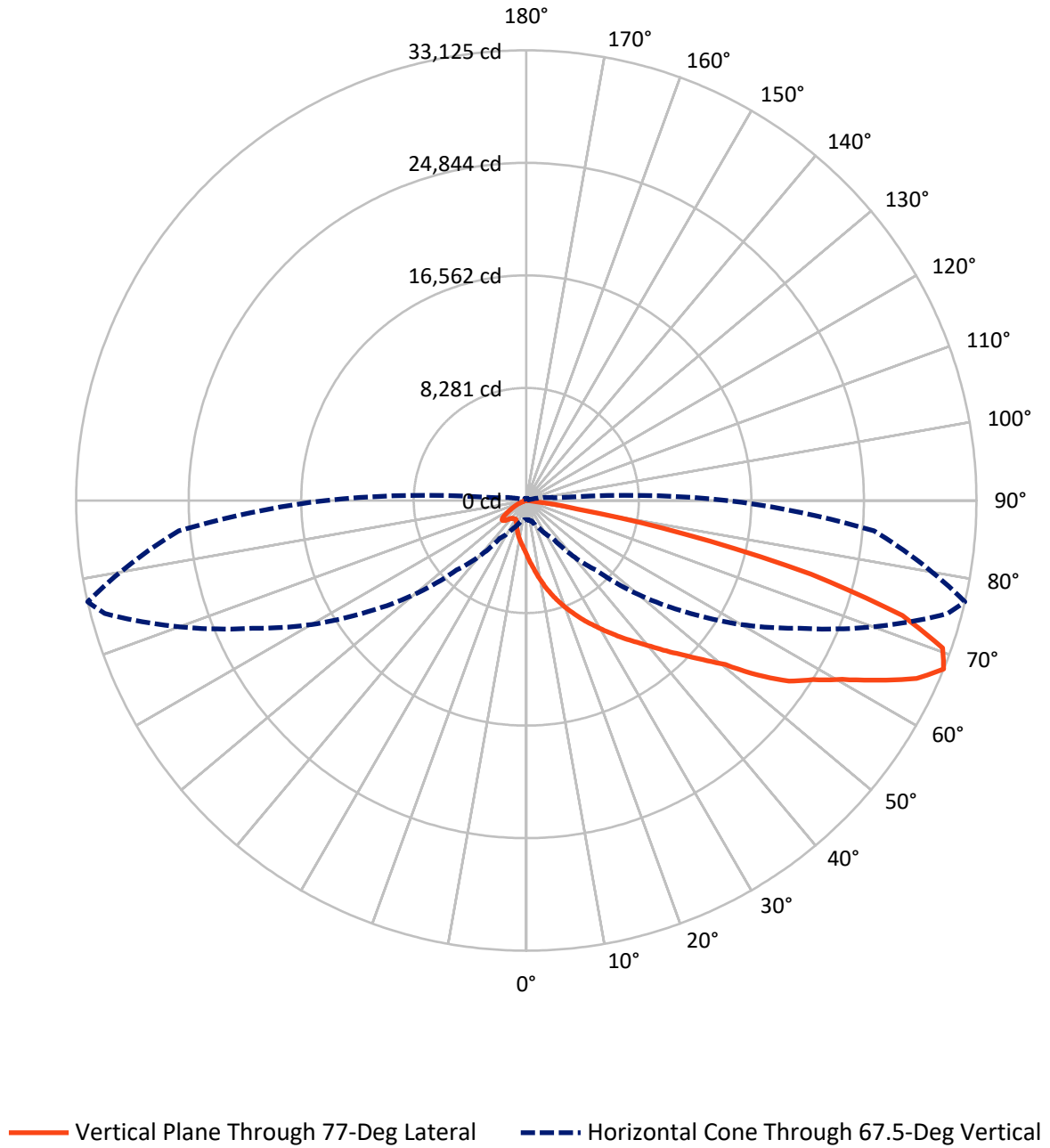
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 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	2541.9	0.0	2541.9
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	32009.1	0.0	32009.1
	% Fixture	92.6	0.0	92.6
Total	Lumens	34551.0	0.0	34551.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.7	1.2
10°-20°	1424.1	4.1
20°-30°	2748.1	8.0
30°-40°	4770.8	13.8
40°-50°	6926.9	20.0
50°-60°	7954.7	23.0
60°-70°	6906.1	20.0
70°-80°	3252.9	9.4
80°-90°	160.9	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°	34551.0	100.0
0°-180°	34551.0	100.0

Coefficient of Utilization



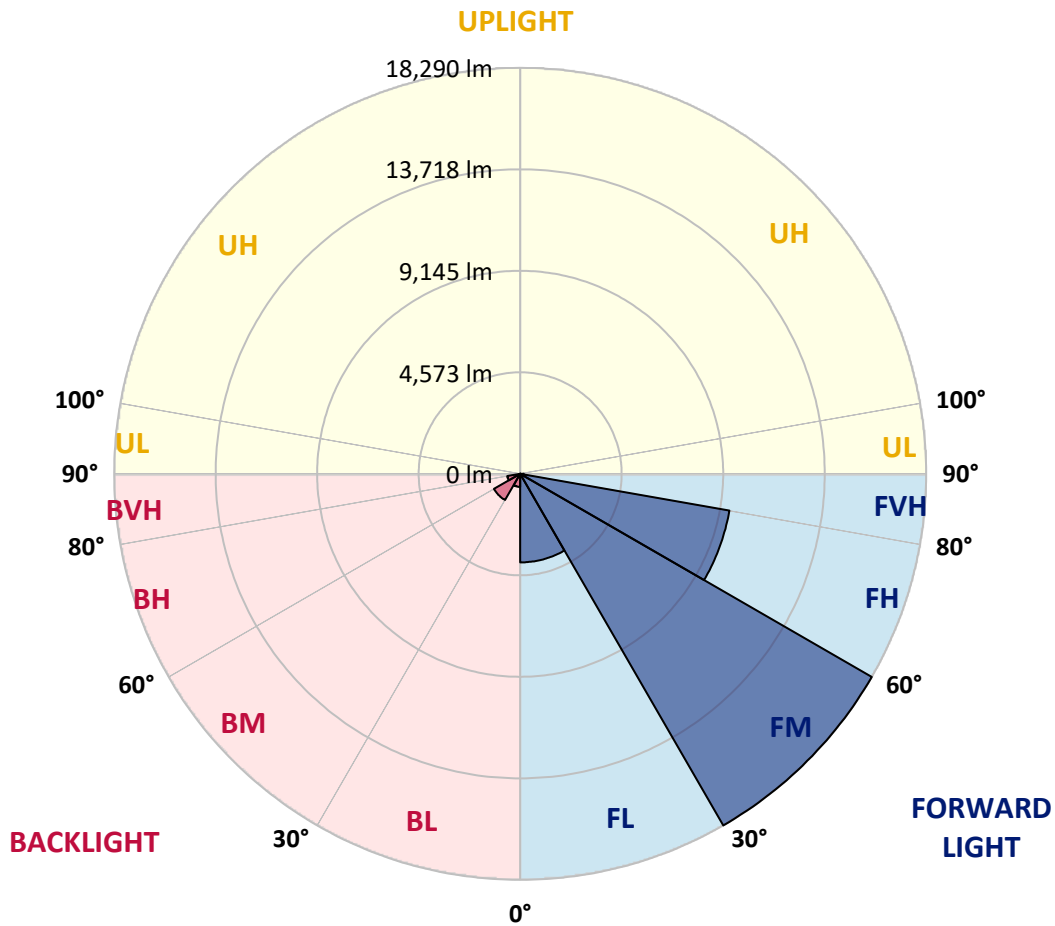
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3990.3	11.5			
FM (30°-60°)	18290.4	52.9			
FH (60°-80°)	9570.5	27.7			G4/12000
FVH (80°-90°)	157.9	0.5			G2/225
BL (0°-30°)	588.5	1.7	B2/1000		
BM (30°-60°)	1362.0	3.9	B2/2500		
BH (60°-80°)	588.5	1.7	B2/1000		G2/1000
BVH (80°-90°)	3.0	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°	3984.2	3984.2	3984.2	3984.2	3984.2	3984.2	3984.2	3984.2	3984.2	3984.2
2.5°	5516.1	5550.5	5501.1	5406.7	5265.1	5172.9	4947.6	4735.2	4499.2	4424.1
5°	6724.1	6754.1	6698.3	6595.3	6406.5	6226.3	5930.2	5486.1	5024.8	4876.8
7.5°	7618.8	7635.9	7614.5	7520.1	7339.8	7136.0	6805.6	6279.9	5595.5	5432.5
10°	8262.4	8318.2	8311.8	8275.3	8155.1	7989.9	7638.1	7039.5	6234.9	6024.6
12.5°	8689.4	8751.6	8788.1	8869.6	8863.2	8758.0	8449.1	7816.1	6872.1	6625.4
15°	8813.8	8880.3	9019.8	9208.6	9375.9	9429.6	9212.9	8577.8	7573.7	7258.3
17.5°	8743.0	8846.0	9013.3	9311.6	9678.5	9920.9	9897.3	9313.7	8210.9	7850.5
20°	8899.6	8998.3	9129.2	9380.2	9807.2	10247.0	10423.0	10017.5	8843.9	8466.2
22.5°	9766.4	9749.3	9762.1	9802.9	10058.2	10493.8	10856.4	10656.8	9470.3	9084.1
25°	11139.6	11062.3	10931.4	10710.5	10646.1	10856.4	11234.0	11223.2	10131.2	9717.1
27.5°	12714.4	12701.5	12394.7	11862.6	11562.2	11480.7	11660.9	11774.6	10785.5	10343.6
30°	14222.7	14257.0	13842.9	13250.8	12699.4	12379.7	12216.6	12298.1	11450.7	11019.4
32.5°	15535.7	15572.2	15121.7	14428.6	13746.4	13360.2	13016.9	12815.2	12175.8	11706.0
35°	16645.0	16681.4	16164.4	15398.4	14671.1	14321.4	13933.0	13381.6	12905.3	12467.6
37.5°	17636.2	17625.5	16932.5	16160.1	15445.6	15168.9	14965.0	14078.9	13656.3	13233.6
40°	18221.9	18267.0	17674.8	16823.1	16130.0	15928.4	15915.5	14943.6	14523.1	14113.3
42.5°	18393.6	18473.0	18043.9	17344.4	16715.8	16496.9	16833.8	15879.0	15531.4	15132.4
45°	18084.6	18161.9	17966.6	17481.7	17114.8	16973.2	17623.3	16848.8	16608.5	16213.7
47.5°	17183.5	17280.1	17327.3	17224.3	17220.0	17363.7	18331.4	17870.1	17887.2	17483.9
50°	15439.2	15602.3	16035.6	16400.4	16964.7	17672.7	19020.1	18977.2	19329.0	18981.5
52.5°	12268.1	12499.8	13993.1	14990.8	16258.8	17614.8	19777.4	20753.7	21858.6	21350.1
55°	9858.7	9858.7	11073.0	12939.7	14881.4	17232.8	20107.9	21907.9	23581.5	23461.3
57.5°	8037.1	8133.7	8908.2	10558.1	12888.2	16323.1	20311.7	22633.1	24969.6	24881.6
60°	4960.5	5168.6	6631.8	8260.3	10620.3	14703.3	20182.9	23366.9	26653.8	26724.6
62.5°	2793.5	2870.7	3523.0	5943.1	8258.1	12525.6	19198.1	23776.7	28808.0	29108.3
65°	1928.8	1967.4	2218.5	3698.9	5724.3	9972.4	17273.6	23521.4	30966.3	31573.5
67.5°	1401.0	1420.3	1577.0	2259.2	3396.4	7230.4	14257.0	22234.1	32109.9	33124.7
70°	1077.1	1089.9	1203.6	1484.7	2006.1	4462.7	10354.3	19674.5	31281.7	32494.0
72.5°	875.4	888.2	976.2	1098.5	1330.2	2639.0	6275.7	15977.7	27625.8	28934.5
75°	738.1	755.2	834.6	914.0	1042.7	1695.0	2943.7	11126.7	20775.1	21633.3
77.5°	409.8	377.6	678.0	757.4	879.7	1072.8	1377.4	6548.1	11635.2	11873.3
80°	255.3	263.9	538.5	609.3	675.8	540.7	630.8	2521.0	4033.6	3831.9
82.5°	15.0	34.3	414.1	439.8	463.4	231.7	238.2	856.1	971.9	892.5
85°	0.0	0.0	188.8	152.3	160.9	66.5	68.7	199.5	130.9	141.6
87.5°	0.0	0.0	0.0	4.3	0.0	6.4	12.9	17.2	6.4	8.6
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°
3984.2	0°	3984.2	3984.2	3984.2	3984.2	3984.2	3984.2	3984.2	3984.2	3984.2	3984.2
4188.1	2.5°	4037.9	3887.7	3583.0	3284.8	3042.4	2817.1	2656.2	2503.8	2426.6	2422.3
4458.4	5°	4160.2	3844.8	3235.5	2696.9	2263.5	1916.0	1690.7	1529.8	1448.2	1420.3
4791.0	7.5°	4331.8	3857.7	2930.8	2182.0	1671.4	1373.1	1244.4	1192.9	1175.7	1156.4
5166.4	10°	4548.5	3887.7	2658.3	1757.2	1317.4	1167.2	1115.7	1094.2	1081.3	1068.5
5589.1	12.5°	4791.0	3915.6	2388.0	1459.0	1158.6	1081.3	1044.9	1019.1	1002.0	986.9
6022.5	15°	5027.0	3932.7	2106.9	1250.8	1077.1	1014.8	976.2	948.3	924.7	907.6
6447.3	17.5°	5260.8	3956.3	1843.0	1126.4	1010.5	948.3	909.7	875.4	856.1	836.8
6893.6	20°	5520.4	3952.1	1594.1	1038.4	944.0	881.8	841.0	808.9	789.6	768.1
7365.6	22.5°	5760.7	3930.6	1375.3	963.3	875.4	815.3	770.2	738.1	718.8	701.6
7848.3	25°	6037.5	3913.4	1192.9	894.7	811.0	750.9	701.6	671.5	650.1	635.1
8333.2	27.5°	6303.5	3887.7	1059.9	832.5	748.8	690.9	643.7	609.3	590.0	579.3
8833.1	30°	6565.3	3881.3	1010.5	772.4	693.0	635.1	587.9	555.7	540.7	536.4
9382.4	32.5°	6880.7	3898.4	1032.0	750.9	641.5	583.6	538.5	514.9	499.9	499.9
9993.9	35°	7217.5	3894.1	1064.2	770.2	607.2	532.1	497.8	482.7	467.7	467.7
10671.8	37.5°	7640.2	3900.6	1089.9	802.4	594.3	489.2	469.9	450.6	442.0	442.0
11414.2	40°	8271.0	4113.0	1077.1	830.3	590.0	459.1	420.5	414.1	407.6	407.6
12253.1	42.5°	9043.4	4574.3	1094.2	832.5	587.9	437.7	386.2	399.1	384.0	381.9
13199.3	45°	9888.7	5078.5	1203.6	787.4	585.7	427.0	369.0	384.0	360.4	360.4
14295.6	47.5°	10727.6	5578.4	1315.2	723.0	579.3	424.8	354.0	345.4	339.0	341.1
15724.5	50°	11884.1	5986.0	1358.1	635.1	564.3	420.5	326.1	328.3	324.0	328.3
17739.2	52.5°	13143.5	6071.8	1306.6	536.4	521.4	407.6	306.8	315.4	313.2	317.5
19157.4	55°	13928.7	5979.6	1079.2	446.3	454.9	356.2	287.5	304.7	304.7	304.7
20543.4	57.5°	14739.8	5586.9	766.0	362.6	377.6	291.8	270.3	293.9	291.8	289.6
22212.6	60°	15323.3	4951.9	504.2	298.2	300.4	240.3	251.0	276.8	274.6	263.9
23933.3	62.5°	15758.9	4250.3	324.0	253.2	229.6	216.7	229.6	251.0	242.4	218.8
25392.3	65°	15709.5	3278.4	248.9	216.7	188.8	188.8	199.5	218.8	193.1	154.5
25671.2	67.5°	14793.4	2218.5	206.0	182.4	158.8	156.6	165.2	182.4	165.2	130.9
24242.3	70°	13156.4	1450.4	165.2	141.6	126.6	115.9	133.0	156.6	139.5	105.1
20637.8	72.5°	10678.3	884.0	124.4	103.0	92.3	75.1	105.1	128.7	111.6	77.2
14351.4	75°	6908.6	450.6	85.8	66.5	49.3	45.1	77.2	96.5	77.2	47.2
6367.9	77.5°	2643.3	188.8	47.2	30.0	25.7	21.5	42.9	57.9	32.2	10.7
1233.7	80°	508.5	79.4	23.6	15.0	12.9	8.6	6.4	4.3	0.0	0.0
218.8	82.5°	88.0	25.7	8.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0
42.9	85°	30.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	87.5°	10.7	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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180°
3984.2
2418.0
1416.0
1152.1
1064.2
982.7
905.4
834.6
766.0
699.4
632.9
579.3
534.2
499.9
467.7
442.0
407.6
379.8
360.4
341.1
328.3
317.5
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