

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: P847317

Luminaire Tested: **GLAN-SB3B-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847317
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-SB3B-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 450mA 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: 10971 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

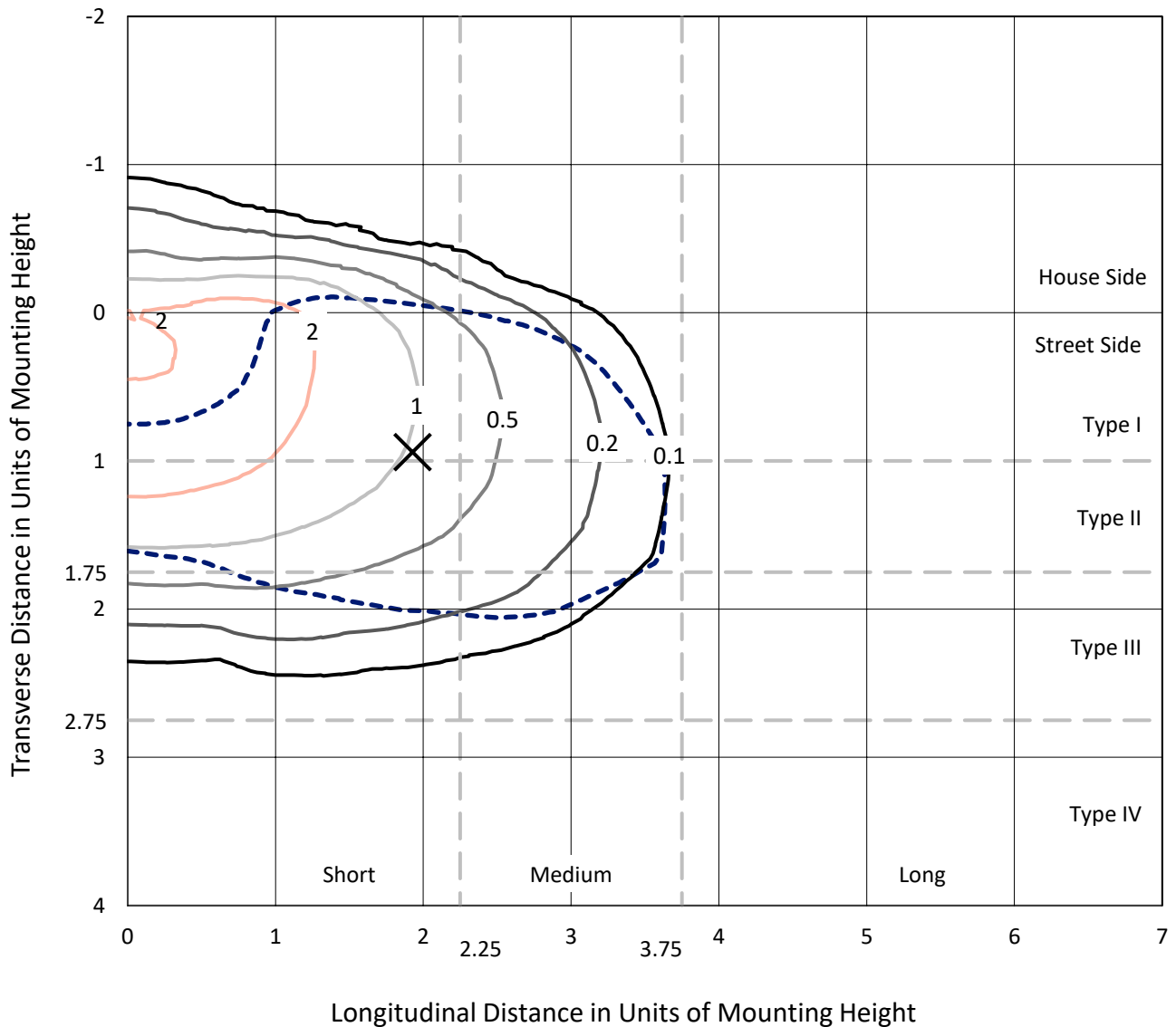
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

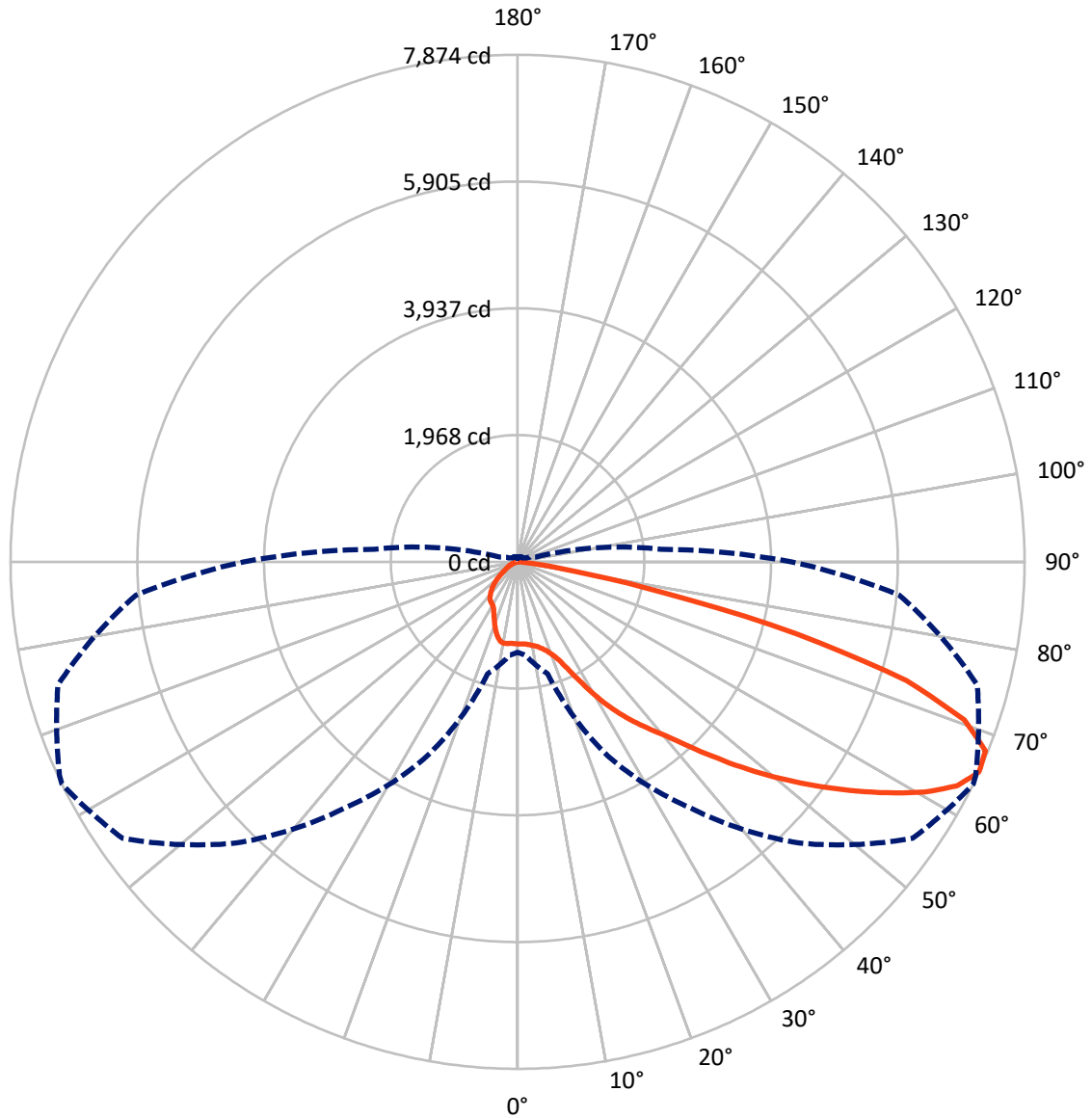
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - N/A

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CATALOG NUMBER: GLAN-SB3B-835-U-T3-HSS

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	1467.2	0.0	1467.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	9503.8	0.0	9503.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	10971.0	0.0	10971.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	1.1
10°-20°	319.3	2.9
20°-30°	605.1	5.5
30°-40°	1224.4	11.2
40°-50°	2085.7	19.0
50°-60°	2836.4	25.9
60°-70°	2663.5	24.3
70°-80°	1067.1	9.7
80°-90°	51.7	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°	10971.0	100.0
0°-180°	10971.0	100.0

Coefficient of Utilization



REPORT NUMBER: P847317

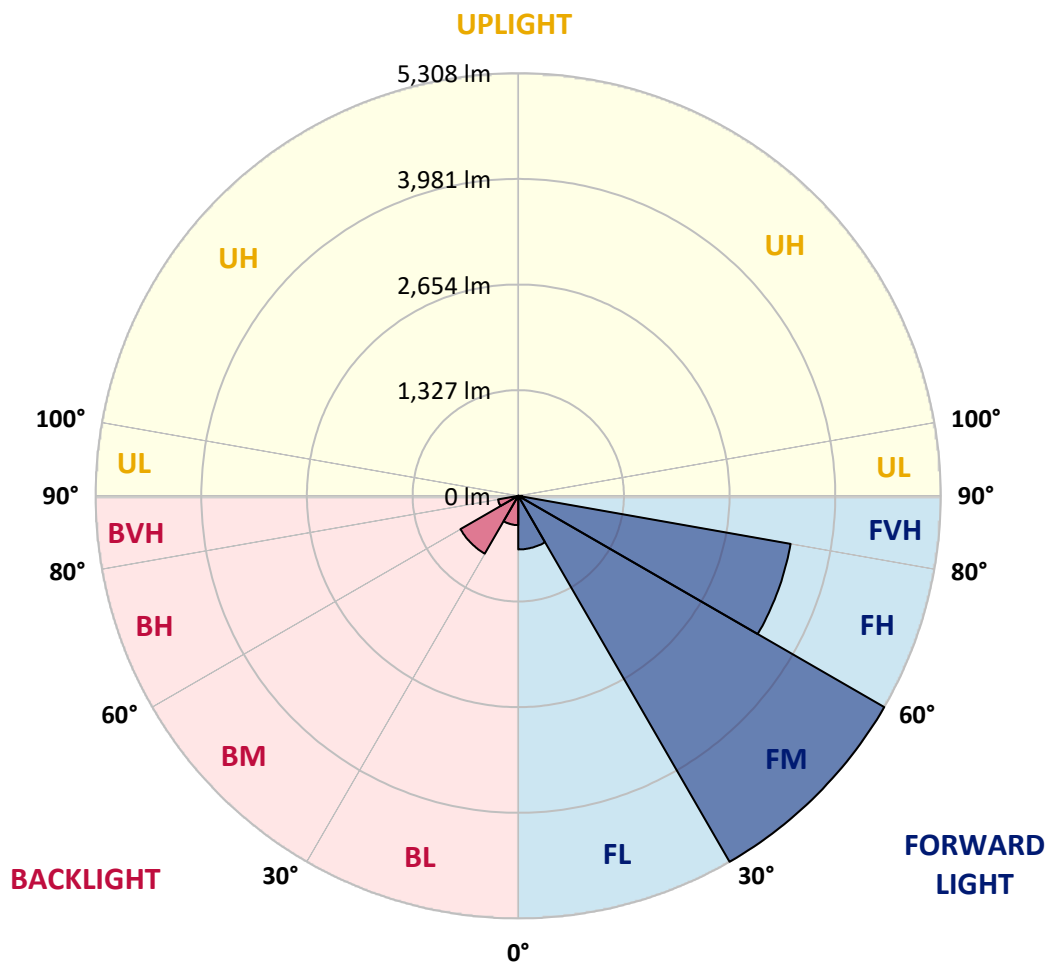
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	673.7	6.1			
FM (30°-60°)	5307.8	48.4			
FH (60°-80°)	3473.2	31.7			G2/5000
FVH (80°-90°)	49.2	0.4			G1/100
BL (0°-30°)	368.4	3.4	B1/500		
BM (30°-60°)	838.8	7.6	B1/1000		
BH (60°-80°)	257.5	2.3	B1/500		G1/500
BVH (80°-90°)	2.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short



REPORT NUMBER: P847317
 CATALOG NUMBER: GLAN-SB3B-835-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0
2.5°	1271.6	1280.5	1278.2	1276.0	1275.3	1276.8	1277.5	1276.8	1276.8	1276.8
5°	1247.4	1254.7	1254.7	1259.9	1267.2	1276.0	1282.7	1284.1	1285.6	1287.8
7.5°	1201.0	1206.9	1211.3	1228.2	1246.6	1270.2	1290.0	1300.3	1301.8	1309.9
10°	1169.4	1176.8	1184.1	1201.8	1228.2	1263.5	1297.4	1322.4	1326.1	1345.2
12.5°	1167.9	1175.3	1184.8	1204.0	1234.9	1272.4	1313.6	1349.6	1356.2	1384.2
15°	1183.4	1192.2	1201.0	1224.6	1257.7	1303.3	1347.4	1392.2	1398.9	1438.6
17.5°	1215.0	1226.8	1233.4	1256.9	1292.2	1343.0	1401.1	1452.6	1458.4	1504.8
20°	1277.5	1291.5	1293.7	1312.8	1347.4	1401.8	1470.9	1534.9	1542.3	1595.2
22.5°	1407.0	1426.8	1409.2	1418.7	1449.6	1504.0	1579.1	1660.0	1670.3	1730.6
25°	1635.0	1662.9	1617.3	1601.1	1614.4	1671.0	1765.1	1867.4	1879.1	1927.7
27.5°	2082.9	2046.8	1977.7	1910.0	1870.3	1902.7	2008.6	2135.1	2149.8	2196.9
30°	2574.9	2543.3	2449.9	2299.8	2205.7	2200.5	2298.3	2439.6	2456.5	2501.3
32.5°	3067.6	3037.5	2936.0	2751.4	2588.1	2507.2	2574.9	2731.5	2740.4	2769.0
35°	3552.3	3521.4	3419.9	3230.9	3030.1	2846.3	2833.0	3009.5	3012.5	3042.6
37.5°	4039.9	4014.2	3906.1	3720.7	3522.9	3269.2	3146.3	3272.8	3276.5	3305.9
40°	4387.8	4398.8	4324.6	4181.1	4011.3	3734.0	3497.9	3553.1	3531.0	3580.3
42.5°	4686.4	4708.5	4643.8	4571.7	4473.1	4229.0	3933.3	3923.7	3888.4	3914.9
45°	4944.6	4963.0	4904.9	4887.9	4885.7	4714.4	4409.1	4351.8	4302.5	4297.4
47.5°	5039.4	5074.7	5099.8	5156.4	5266.7	5194.6	4901.2	4812.2	4757.0	4716.6
50°	5075.5	5113.0	5198.3	5363.1	5624.1	5655.0	5391.0	5291.0	5223.3	5149.8
52.5°	5026.9	5093.9	5208.6	5485.9	5864.6	6024.2	5861.0	5773.4	5696.2	5576.3
55°	4740.8	4807.8	5042.4	5484.4	5984.5	6283.1	6305.2	6266.2	6179.4	5990.4
57.5°	4137.8	4237.0	4608.5	5297.6	5982.3	6506.0	6740.6	6768.5	6671.5	6400.8
60°	3302.3	3436.9	3889.9	4883.5	5797.7	6626.6	7122.3	7262.0	7159.1	6805.3
62.5°	2304.2	2460.1	2888.9	4234.8	5375.6	6539.8	7401.0	7659.2	7581.2	7167.2
65°	1405.5	1455.5	1801.2	3332.4	4657.7	6176.5	7487.1	7873.9	7848.2	7388.5
67.5°	936.3	978.2	1077.5	2285.1	3615.6	5450.6	7281.2	7836.4	7843.8	7352.5
70°	564.1	600.1	664.9	1329.0	2343.2	4314.3	6643.5	7358.4	7401.0	6870.8
72.5°	232.4	256.7	315.5	602.4	1213.5	2738.2	5290.2	6317.7	6417.0	5777.1
75°	131.6	144.2	185.3	302.3	526.6	1276.0	3204.4	4484.9	4631.3	3981.8
77.5°	87.5	93.4	119.9	195.6	296.4	435.4	1369.4	2336.6	2616.1	2174.8
80°	58.8	64.0	82.4	130.9	192.7	186.8	436.1	865.6	1065.0	747.2
82.5°	39.7	40.5	58.8	86.1	122.1	90.5	128.7	269.2	338.3	216.2
85°	22.8	22.1	43.4	50.0	54.4	37.5	39.0	80.9	105.9	91.2
87.5°	2.9	4.4	16.9	13.2	7.4	8.1	8.1	14.0	20.6	22.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847317
 CATALOG NUMBER: GLAN-SB3B-835-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1276.0	0°	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0
1277.5	2.5°	1277.5	1276.8	1274.6	1272.4	1267.2	1264.3	1265.7	1264.3	1263.5	1264.3
1287.1	5°	1287.1	1284.9	1279.0	1271.6	1261.3	1248.8	1240.7	1229.0	1217.9	1211.3
1312.8	7.5°	1312.8	1310.6	1302.5	1281.9	1248.8	1196.6	1148.8	1106.9	1075.3	1056.9
1354.0	10°	1354.0	1350.3	1337.8	1292.2	1205.4	1091.4	996.6	917.9	866.4	842.1
1402.5	12.5°	1402.5	1398.1	1376.1	1282.7	1123.1	945.1	814.2	726.6	678.8	657.5
1458.4	15°	1459.9	1454.0	1410.6	1237.1	1003.2	783.3	663.4	597.9	567.0	547.9
1529.8	17.5°	1531.2	1521.0	1436.4	1168.7	873.0	659.7	570.7	521.4	494.2	475.8
1623.2	20°	1623.9	1607.0	1457.0	1087.0	753.1	581.8	508.2	467.0	446.4	430.3
1755.6	22.5°	1753.4	1729.1	1482.0	998.8	668.5	528.1	461.9	431.7	414.8	396.4
1940.2	25°	1913.7	1885.0	1512.9	917.1	610.4	481.7	428.0	403.0	383.2	361.9
2182.1	27.5°	2138.0	2086.5	1549.6	850.2	560.4	442.0	397.2	369.2	346.4	328.8
2456.5	30°	2388.1	2303.5	1582.0	809.8	514.8	405.2	356.7	328.8	307.4	294.9
2702.9	32.5°	2624.9	2510.2	1603.3	792.1	473.6	363.3	312.6	282.4	266.2	262.6
2944.1	35°	2848.5	2697.0	1601.1	775.2	436.9	321.4	269.2	238.3	225.8	228.0
3203.7	37.5°	3105.9	2896.3	1585.7	748.7	406.7	283.2	231.7	204.5	193.4	194.2
3519.2	40°	3405.2	3126.5	1576.1	698.7	373.6	247.9	200.8	178.7	170.6	167.7
3851.7	42.5°	3724.4	3349.3	1577.6	642.1	332.4	216.2	179.5	161.1	153.7	151.5
4221.6	45°	4045.1	3561.9	1579.8	583.2	289.0	192.0	164.0	148.6	144.2	141.2
4596.7	47.5°	4346.6	3742.8	1538.6	520.0	246.4	173.6	151.5	141.2	137.5	133.9
4973.3	50°	4627.6	3863.4	1439.3	446.4	212.6	158.9	141.9	134.6	130.9	127.2
5314.5	52.5°	4846.0	3882.5	1275.3	370.7	189.0	147.8	136.1	129.4	125.0	121.4
5590.3	55°	4943.1	3762.7	1042.2	300.1	170.6	138.3	130.2	123.6	118.4	114.7
5807.3	57.5°	4918.1	3510.4	812.7	241.2	153.0	128.7	122.8	118.4	112.5	106.6
5983.1	60°	4795.3	3172.8	612.6	200.8	136.8	118.4	114.7	111.1	103.0	94.1
6050.7	62.5°	4582.7	2748.5	436.9	166.2	119.1	106.6	105.2	102.2	90.5	74.3
5950.7	65°	4257.6	2232.9	294.2	138.3	102.2	93.4	94.1	89.0	73.5	55.2
5584.4	67.5°	3782.5	1632.7	188.3	113.3	85.3	78.0	78.7	75.8	62.5	47.1
4890.1	70°	3177.2	1081.1	122.8	86.1	68.4	60.3	64.7	65.5	53.0	38.2
3753.1	72.5°	2329.2	638.4	86.1	64.0	50.0	41.9	53.0	54.4	42.7	28.7
2257.9	75°	1327.5	303.0	64.7	46.3	30.9	29.4	41.2	41.2	29.4	19.1
977.4	77.5°	557.5	126.5	45.6	30.2	17.7	16.9	27.9	25.7	14.7	8.8
238.3	80°	161.1	56.6	24.3	14.7	7.4	6.6	11.0	8.1	3.7	1.5
90.5	82.5°	63.3	25.0	9.6	5.9	2.9	2.9	1.5	0.0	0.0	0.0
51.5	85°	37.5	10.3	4.4	2.2	0.7	0.0	0.0	0.0	0.0	0.0
11.0	87.5°	9.6	2.2	1.5	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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1276.0
1267.2
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1057.6
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427.3
393.5
359.6
325.1
292.7
264.8
228.0
197.1
167.0
150.8
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127.2
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