

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: P852412

Luminaire Tested: **GLAN-SB3C-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10956 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

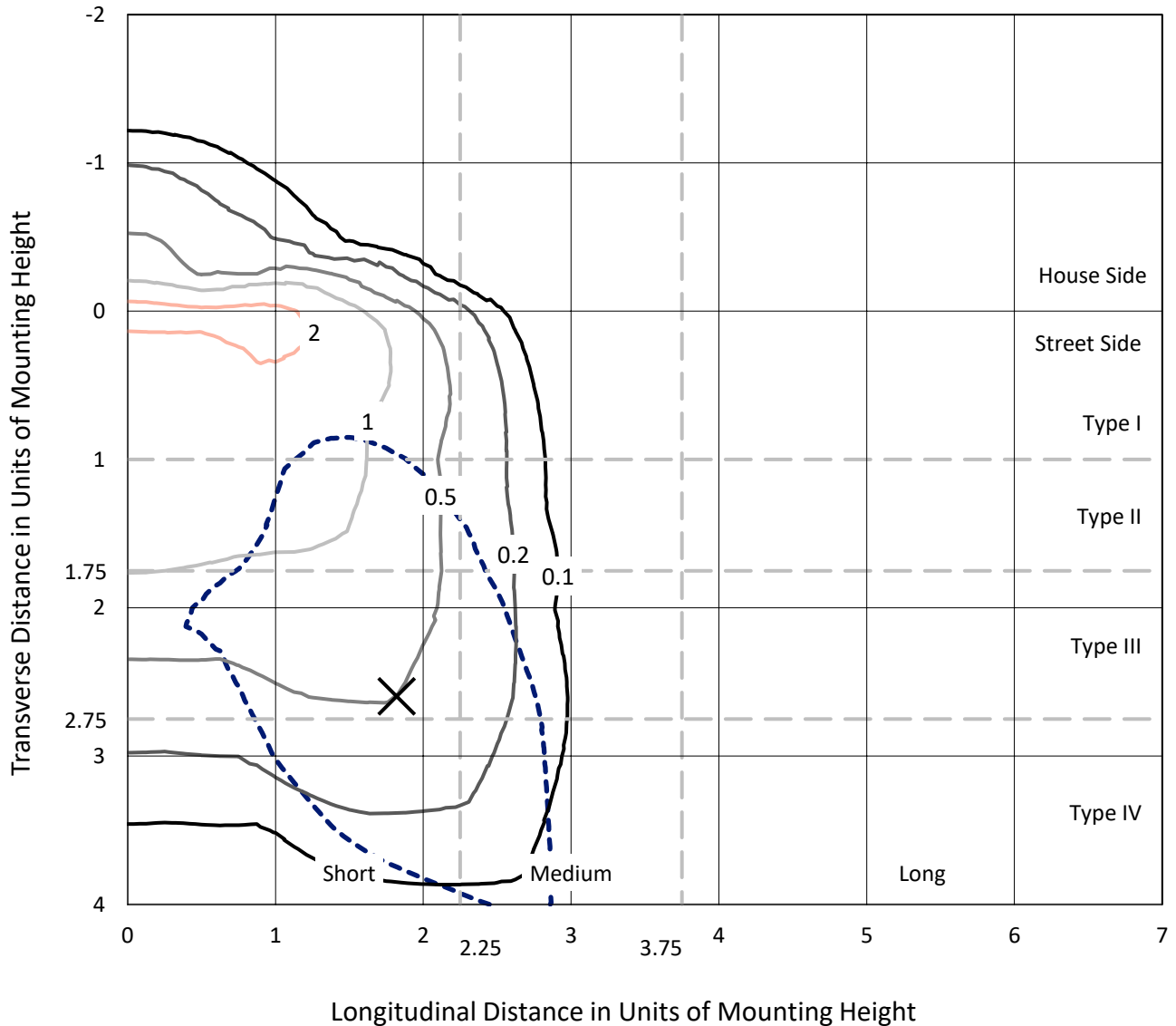
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

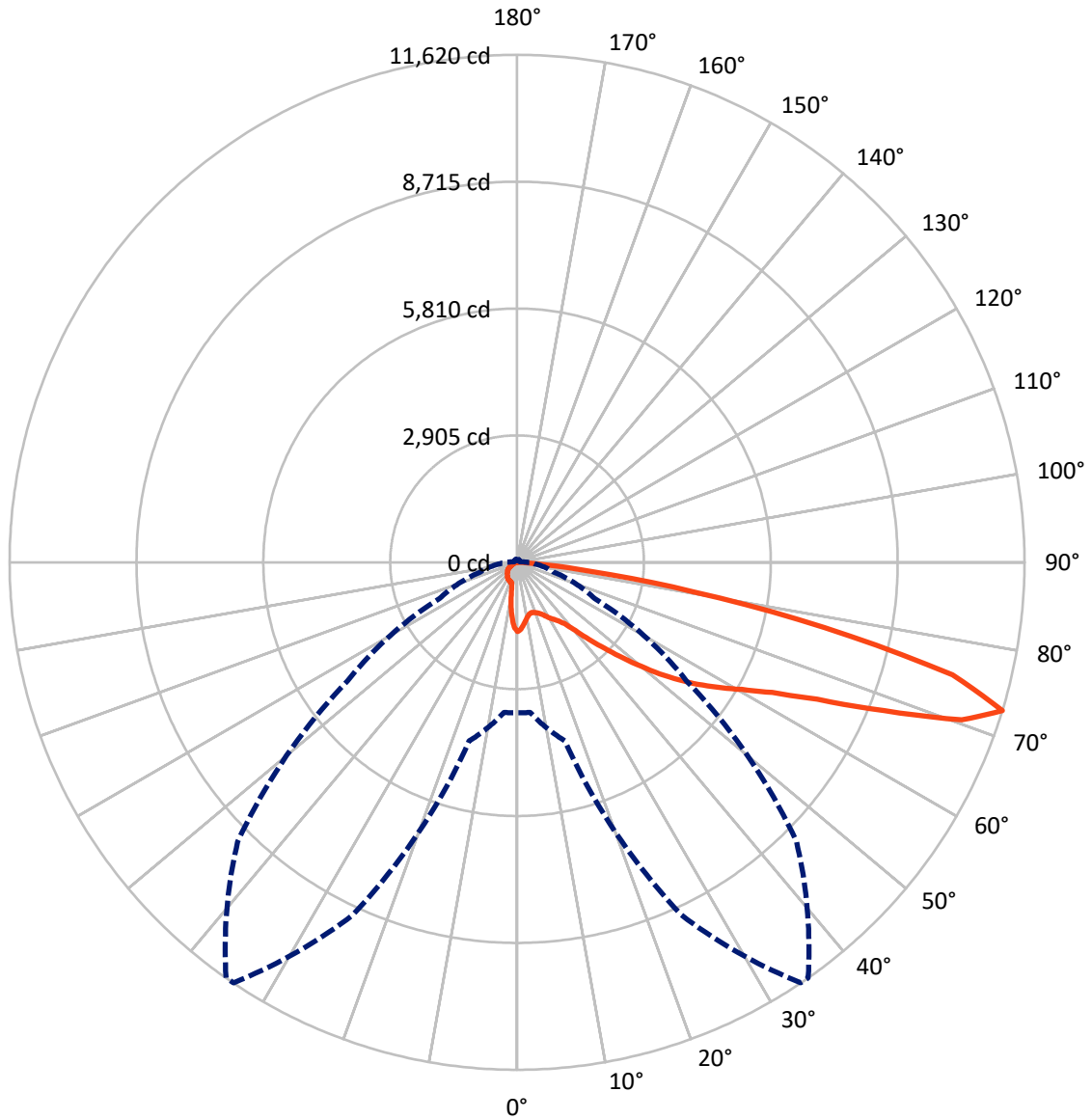
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1233.0	0.0	1233.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	9723.0	0.0	9723.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	10956.0	0.0	10956.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.5	1.2
10°-20°	305.2	2.8
20°-30°	495.9	4.5
30°-40°	827.3	7.6
40°-50°	1565.4	14.3
50°-60°	2487.4	22.7
60°-70°	3077.0	28.1
70°-80°	1912.7	17.5
80°-90°	154.6	1.4
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°	10956.0	100.0
0°-180°	10956.0	100.0

Coefficient of Utilization



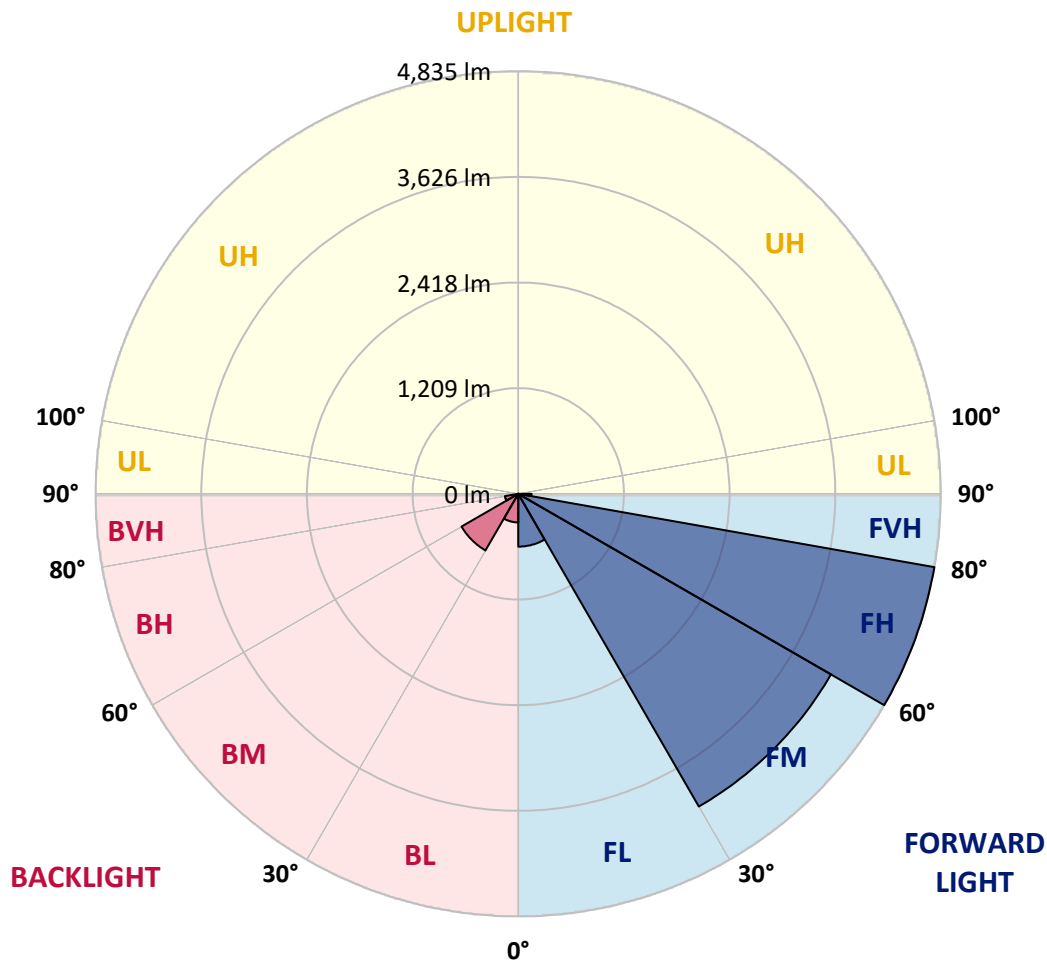
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	604.0	5.5			
FM (30°-60°)	4131.5	37.7			
FH (60°-80°)	4835.0	44.1			G2/5000
FVH (80°-90°)	152.5	1.4			G2/225
BL (0°-30°)	327.6	3.0	B1/500		
BM (30°-60°)	748.6	6.8	B1/1000		
BH (60°-80°)	154.7	1.4	B1/500		G1/500
BVH (80°-90°)	2.1	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1587.9	1587.9	1587.9	1587.9	1587.9	1587.9	1587.9	1587.9	1587.9	1587.9
2.5°	1517.2	1530.1	1532.5	1536.5	1536.5	1541.3	1549.4	1560.6	1579.1	1588.7
5°	1398.4	1408.1	1420.1	1429.7	1448.2	1450.6	1481.9	1512.4	1555.0	1587.1
7.5°	1278.8	1290.1	1306.1	1329.4	1353.5	1360.7	1408.1	1459.4	1526.9	1587.1
10°	1194.5	1195.3	1209.8	1233.1	1271.6	1280.4	1338.2	1411.3	1495.6	1577.5
12.5°	1147.2	1152.8	1159.2	1176.9	1213.8	1219.4	1281.2	1367.1	1464.3	1571.8
15°	1147.2	1151.2	1155.2	1164.0	1193.7	1198.5	1253.1	1339.0	1448.2	1574.2
17.5°	1159.2	1165.6	1162.4	1172.9	1204.2	1207.4	1255.5	1331.0	1447.4	1589.5
20°	1188.1	1192.9	1186.5	1192.9	1224.2	1230.7	1280.4	1346.3	1461.1	1616.0
22.5°	1233.9	1236.3	1221.0	1225.8	1258.0	1266.0	1323.8	1389.6	1494.0	1658.5
25°	1291.7	1296.5	1273.2	1278.8	1309.3	1319.0	1385.6	1454.6	1546.1	1717.1
27.5°	1358.3	1360.7	1340.6	1339.8	1379.2	1392.8	1460.3	1534.9	1616.0	1791.0
30°	1434.6	1441.8	1422.5	1419.3	1469.1	1480.3	1547.0	1633.6	1718.7	1901.8
32.5°	1494.8	1500.4	1489.2	1497.2	1547.8	1556.6	1652.1	1773.3	1880.1	2059.1
35°	1581.5	1584.7	1559.0	1573.4	1631.2	1653.7	1795.8	1969.2	2083.2	2256.6
37.5°	1895.4	1895.4	1786.2	1714.7	1770.1	1790.2	1992.5	2215.7	2333.7	2521.5
40°	2329.7	2322.4	2162.7	2016.6	2009.3	2048.7	2272.7	2526.3	2657.2	2839.4
42.5°	2792.9	2781.6	2564.1	2419.6	2395.5	2409.1	2596.2	2909.3	3042.5	3227.2
45°	3203.9	3200.7	3001.6	2807.3	2764.0	2807.3	3000.0	3357.2	3452.7	3647.0
47.5°	3548.3	3548.3	3403.0	3276.1	3253.7	3279.3	3546.7	3854.1	3845.3	4094.2
50°	3944.8	3941.6	3803.6	3749.0	3772.2	3808.4	4176.0	4377.5	4251.5	4533.3
52.5°	4222.6	4241.9	4194.5	4185.7	4304.5	4367.1	4815.1	4889.7	4615.2	4949.9
55°	4442.6	4465.0	4519.6	4581.4	4810.2	4892.1	5434.0	5375.4	4919.4	5311.2
57.5°	4754.0	4721.9	4806.2	4928.2	5298.3	5397.1	6033.7	5833.8	5164.3	5604.2
60°	5132.1	5137.0	5151.4	5305.5	5785.6	5912.4	6624.5	6267.3	5321.6	5784.0
62.5°	5586.5	5593.7	5623.4	5860.3	6439.9	6559.5	7253.9	6622.1	5393.9	5733.4
65°	5555.2	5585.7	5917.3	6727.3	7434.5	7552.5	7988.4	6871.0	5284.7	5271.0
67.5°	5060.7	5110.5	5665.2	7762.8	8934.1	9065.8	8876.3	6919.9	4813.4	4099.0
70°	4412.1	4429.7	5096.8	8694.1	10670.5	10803.8	9671.0	6381.3	3652.6	2286.3
72.5°	3445.5	3449.5	4232.2	8910.0	11613.0	11620.2	9047.3	4737.2	1964.4	878.2
75°	2461.3	2437.2	2834.6	7225.8	10216.9	10298.8	6782.7	2222.1	750.6	415.0
77.5°	1319.8	1346.3	1603.9	4285.2	7058.0	7197.7	3700.8	640.6	382.1	282.6
80°	407.8	430.3	657.5	1962.0	3997.8	4082.1	1371.9	285.0	266.5	201.5
82.5°	128.4	133.3	306.7	824.5	1659.3	1697.9	397.4	161.4	182.2	133.3
85°	36.9	37.7	136.5	307.5	410.2	418.2	111.6	62.6	104.4	82.7
87.5°	4.0	12.8	51.4	51.4	36.1	35.3	12.0	13.6	29.7	10.4
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°
1587.9	0°	1587.9	1587.9	1587.9	1587.9	1587.9	1587.9	1587.9	1587.9	1587.9	1587.9
1595.1	2.5°	1591.1	1591.9	1581.5	1563.8	1544.5	1528.5	1508.4	1492.4	1481.1	1477.9
1609.6	5°	1602.3	1596.7	1567.0	1513.2	1449.0	1393.6	1331.8	1282.8	1250.7	1237.1
1624.8	7.5°	1619.2	1603.1	1538.1	1432.2	1309.3	1200.2	1089.4	1003.5	948.9	921.6
1639.3	10°	1633.6	1601.5	1490.0	1314.9	1127.1	961.7	812.4	708.9	651.1	623.8
1656.1	12.5°	1647.3	1600.7	1427.3	1176.1	921.6	719.3	580.4	529.0	513.0	507.4
1683.4	15°	1673.0	1603.1	1348.7	1017.1	716.9	543.5	492.9	492.1	495.3	493.7
1725.2	17.5°	1708.3	1605.6	1259.6	848.5	553.1	479.3	476.8	484.1	488.9	486.5
1777.3	20°	1754.1	1615.2	1164.8	681.6	475.2	463.2	468.8	475.2	479.3	475.2
1847.2	22.5°	1818.3	1632.0	1061.3	547.5	450.4	453.6	458.4	465.6	469.6	464.0
1936.3	25°	1897.0	1658.5	959.3	476.0	438.3	442.3	449.6	457.6	462.4	456.8
2048.7	27.5°	1998.9	1701.1	865.4	460.0	426.3	428.7	439.1	451.2	457.6	450.4
2208.4	30°	2146.6	1770.9	784.3	467.2	419.0	413.4	427.9	444.7	452.0	445.5
2426.0	32.5°	2342.5	1869.7	734.5	478.5	415.8	395.8	409.4	431.1	443.1	439.1
2710.2	35°	2599.4	2019.8	715.3	491.3	413.4	377.3	386.9	410.2	431.1	435.1
3068.2	37.5°	2910.9	2228.5	720.9	496.9	406.2	362.1	366.9	386.9	414.2	427.1
3471.2	40°	3264.9	2471.7	753.0	491.3	398.2	349.2	350.0	365.3	389.3	408.6
3904.7	42.5°	3630.2	2755.9	812.4	470.4	391.0	338.0	335.6	346.0	362.1	375.7
4337.4	45°	3977.8	3048.1	871.0	441.5	382.1	326.7	321.1	325.1	328.3	334.0
4758.9	47.5°	4281.2	3253.7	854.2	415.0	370.1	313.9	304.3	302.6	293.0	292.2
5135.4	50°	4490.7	3298.6	758.6	388.5	352.4	299.4	284.2	274.5	257.7	249.7
5417.1	52.5°	4557.4	3121.2	619.7	362.1	323.5	280.2	258.5	243.2	222.4	215.1
5579.3	55°	4469.1	2773.6	495.3	329.9	283.4	254.5	230.4	210.3	193.5	184.6
5597.0	57.5°	4253.1	2331.3	391.8	292.2	240.8	225.6	201.5	181.4	167.0	158.1
5401.1	60°	3895.1	1851.2	309.9	247.3	205.5	194.3	169.4	156.5	143.7	133.3
4895.3	62.5°	3351.6	1321.4	243.2	195.9	171.8	158.9	144.5	134.9	119.6	105.2
3985.8	65°	2615.4	808.4	187.8	143.7	138.1	131.7	122.8	114.0	95.5	81.1
2600.2	67.5°	1649.7	382.9	134.1	108.4	109.2	106.0	102.0	94.7	81.1	68.2
1164.8	70°	726.5	185.4	88.3	82.7	81.1	81.1	84.3	81.9	69.0	57.0
404.6	72.5°	247.3	99.5	65.8	62.6	58.6	57.8	70.6	68.2	55.4	44.2
201.5	75°	129.2	66.6	48.2	45.0	35.3	42.5	56.2	53.0	39.3	28.9
133.3	77.5°	84.3	47.4	32.9	28.9	20.1	28.1	41.7	36.9	23.3	14.4
87.5	80°	53.0	31.3	19.3	13.6	9.6	15.3	22.5	16.1	8.8	3.2
51.4	82.5°	28.1	16.1	7.2	4.8	4.0	4.8	5.6	4.0	1.6	0.0
26.5	85°	11.2	5.6	2.4	1.6	0.8	0.0	1.6	0.8	0.0	0.0
4.8	87.5°	4.0	0.8	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°
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1587.9
1483.5
1241.9
925.6
624.6
505.7
492.9
485.7
474.4
463.2
456.0
450.4
444.7
439.1
435.1
430.3
415.0
381.3
337.2
291.4
250.5
214.3
184.6
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