

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: P845882

Luminaire Tested: **GLAN-SB1B-730-U-SL4-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845882
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-730-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3798 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

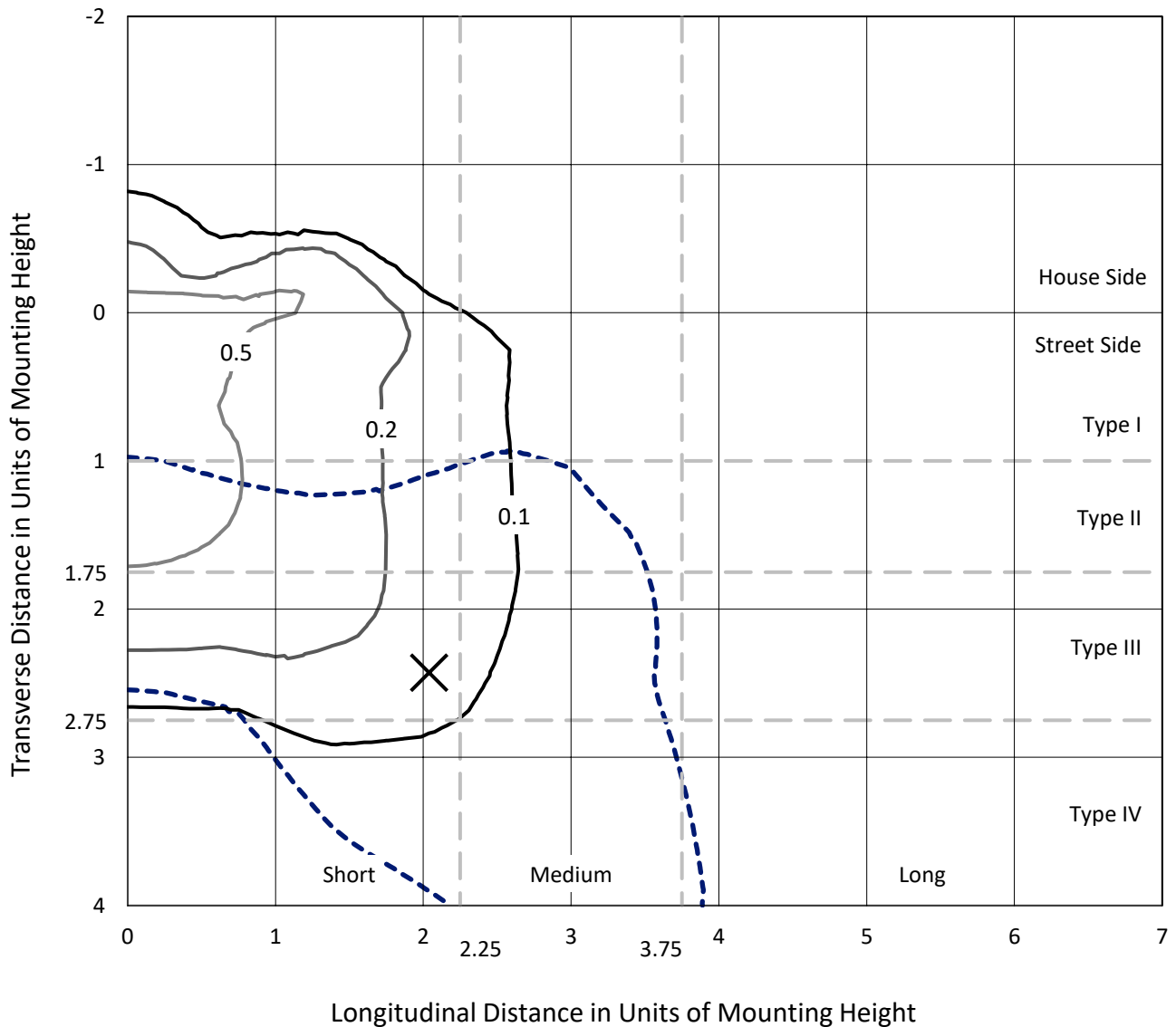
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

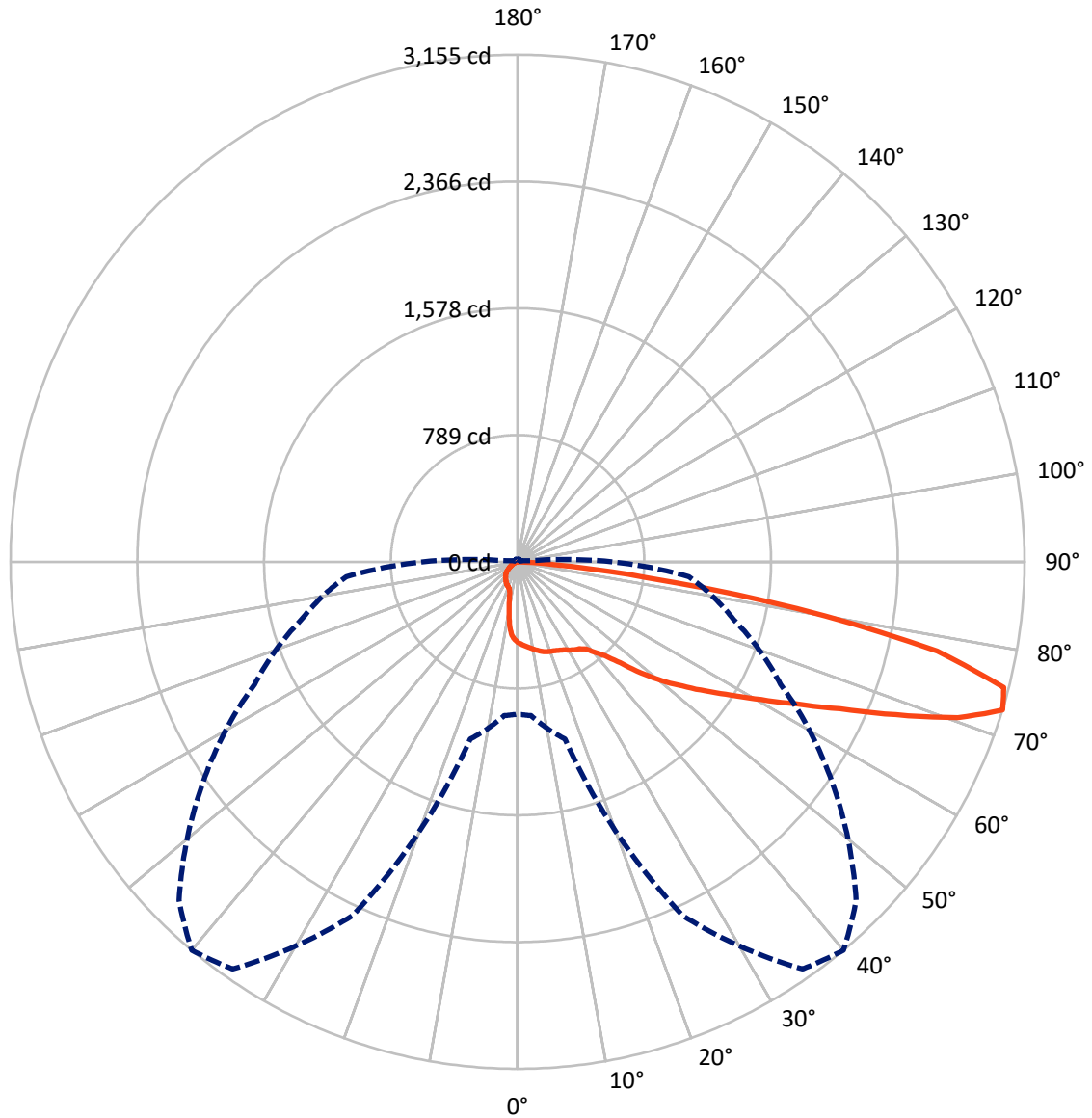
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	490.5	0.0	490.5
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	3307.5	0.0	3307.5
	% Fixture	87.1	0.0	87.1
Total	Lumens	3798.0	0.0	3798.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	1.2
10°-20°	124.7	3.3
20°-30°	201.8	5.3
30°-40°	297.9	7.8
40°-50°	501.4	13.2
50°-60°	778.6	20.5
60°-70°	974.3	25.7
70°-80°	797.6	21.0
80°-90°	75.6	2.0
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°	3798.0	100.0
0°-180°	3798.0	100.0

Coefficient of Utilization



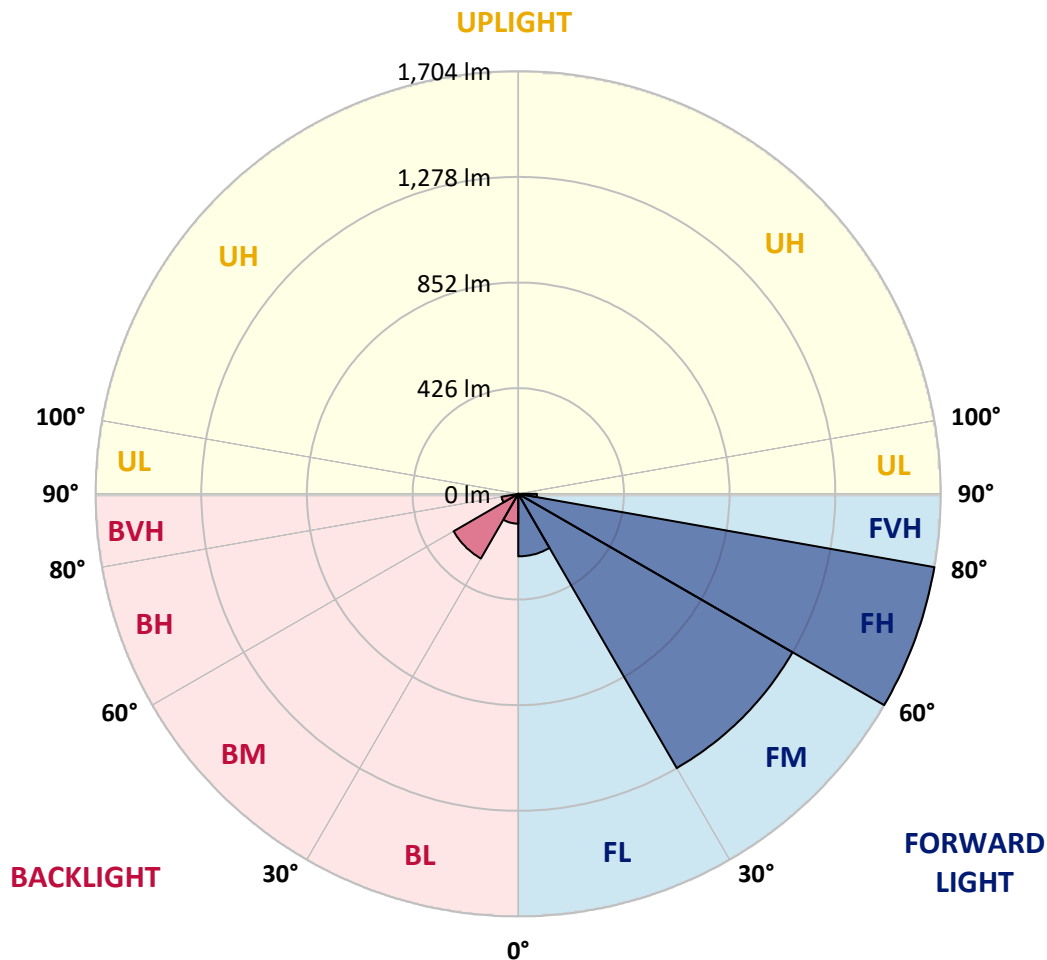
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.1	6.6			
FM (30°-60°)	1276.8	33.6			
FH (60°-80°)	1703.6	44.9			G1/1800
FVH (80°-90°)	75.1	2.0			G1/100
BL (0°-30°)	120.4	3.2	B1/500		
BM (30°-60°)	301.2	7.9	B1/1000		
BH (60°-80°)	68.3	1.8	B0/110		G0/110
BVH (80°-90°)	0.6	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-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	502.9	502.9	502.9	502.9	502.9	502.9	502.9	502.9	502.9	502.9
2.5°	518.0	520.0	518.9	516.6	516.0	514.9	513.5	512.9	510.9	509.2
5°	532.6	534.6	533.2	530.1	528.6	527.2	525.2	523.5	519.5	515.8
7.5°	548.7	550.4	548.7	544.1	541.8	540.1	537.2	534.6	530.1	524.6
10°	566.4	567.8	565.2	559.2	555.5	552.9	550.4	547.5	543.2	537.2
12.5°	583.0	584.7	580.7	573.5	569.3	566.7	563.8	561.5	557.2	551.5
15°	598.1	600.7	593.9	586.1	581.3	579.3	576.4	575.0	572.1	568.1
17.5°	609.6	611.3	604.1	595.0	589.6	588.1	586.1	587.0	586.4	584.4
20°	619.3	620.5	611.0	599.9	593.9	594.1	593.6	596.4	597.6	597.6
22.5°	631.3	631.6	619.6	605.6	598.4	600.4	601.3	604.4	606.7	609.0
25°	647.1	646.5	632.2	613.0	606.7	609.6	611.6	612.7	615.3	619.0
27.5°	670.5	668.8	650.5	625.0	617.6	620.2	623.9	623.3	622.2	625.0
30°	700.3	698.0	673.7	641.9	635.0	637.3	638.5	633.3	625.0	627.6
32.5°	747.5	743.5	709.7	660.8	650.2	652.8	651.3	640.8	628.5	631.0
35°	829.6	819.8	772.1	700.3	667.4	664.5	661.1	650.8	635.6	633.0
37.5°	1004.1	986.9	905.4	777.2	706.3	687.7	677.1	666.8	643.3	633.0
40°	1200.9	1183.4	1089.3	905.9	770.9	739.5	714.3	685.7	651.3	636.8
42.5°	1406.3	1387.1	1290.4	1065.6	863.3	798.7	751.8	700.8	664.5	648.2
45°	1635.7	1611.6	1485.2	1232.0	997.5	897.1	812.1	732.0	687.4	668.5
47.5°	1877.7	1846.5	1679.4	1393.7	1141.9	1033.2	922.5	787.8	721.1	698.8
50°	2092.2	2061.3	1880.0	1562.7	1277.0	1162.8	1048.4	865.0	771.8	741.7
52.5°	2246.4	2222.9	2062.5	1737.2	1417.4	1284.4	1162.5	954.9	835.9	796.7
55°	2349.7	2328.2	2191.8	1902.6	1580.7	1418.3	1275.0	1052.4	913.1	862.5
57.5°	2412.3	2400.0	2285.3	2050.2	1742.7	1564.7	1403.7	1159.7	1004.1	940.0
60°	2434.6	2424.6	2343.4	2190.9	1938.3	1740.6	1555.0	1280.7	1114.5	1028.1
62.5°	2375.1	2377.1	2385.1	2357.7	2144.6	1946.6	1736.4	1426.0	1236.9	1127.9
65°	2095.1	2111.7	2263.8	2542.5	2417.7	2204.6	1967.2	1603.3	1377.1	1241.5
67.5°	1734.6	1758.7	1948.0	2650.6	2708.9	2539.6	2288.7	1829.3	1544.1	1357.0
70°	1327.9	1353.6	1583.0	2628.0	2981.6	2905.8	2686.3	2116.8	1717.2	1437.1
72.5°	947.7	960.9	1141.6	2426.9	3093.4	3155.2	2979.3	2389.1	1805.6	1392.8
75°	665.9	663.6	783.5	1954.3	2919.2	3124.9	2876.6	2241.8	1634.0	1106.5
77.5°	290.1	290.6	391.3	1186.8	2329.9	2668.9	2391.1	1404.2	1139.1	586.4
80°	75.2	77.5	143.6	472.6	1402.8	1761.5	1458.3	617.3	526.3	143.0
82.5°	26.6	28.3	66.1	148.5	517.5	807.8	649.3	197.4	137.3	40.9
85°	7.7	9.2	35.5	45.5	107.0	228.3	157.6	38.3	33.8	21.2
87.5°	0.0	1.1	7.2	6.3	6.3	4.3	8.0	4.3	5.4	2.6
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°
502.9	0°	502.9	502.9	502.9	502.9	502.9	502.9	502.9	502.9	502.9	502.9
507.2	2.5°	505.5	503.5	499.2	494.6	490.3	486.3	485.2	480.9	478.9	479.1
511.2	5°	508.0	504.3	496.0	486.0	475.7	464.0	454.3	440.5	428.8	427.4
518.9	7.5°	514.9	508.9	495.4	476.0	450.3	417.9	387.9	358.1	341.3	332.1
530.3	10°	525.5	517.5	496.9	459.7	405.1	347.3	301.8	264.3	245.1	236.3
544.4	12.5°	538.1	529.2	499.2	431.9	346.7	270.9	221.7	198.8	194.8	194.2
561.5	15°	555.8	546.1	501.7	394.5	283.5	206.2	183.6	183.9	187.1	188.8
580.1	17.5°	575.5	565.8	498.0	348.7	221.1	176.2	175.6	178.2	182.8	184.5
597.3	20°	595.6	586.4	484.9	294.9	178.8	167.9	170.2	173.1	177.6	179.9
614.2	22.5°	616.2	608.2	464.0	237.7	161.3	161.9	164.8	167.6	172.8	175.4
630.8	25°	638.2	631.3	436.2	190.5	153.9	155.6	159.3	162.8	168.2	171.3
644.8	27.5°	660.5	655.4	404.8	159.0	147.0	149.0	153.3	157.9	163.3	167.1
657.1	30°	684.8	682.0	379.6	147.3	140.5	142.2	147.0	152.2	158.2	162.8
669.4	32.5°	709.7	709.1	367.3	155.9	134.4	135.6	139.9	145.0	152.5	158.2
679.7	35°	734.3	735.4	360.1	180.2	132.4	129.3	132.2	136.7	145.6	152.8
691.4	37.5°	765.8	768.6	359.9	206.5	137.3	123.0	125.0	128.2	135.9	144.2
709.7	40°	812.7	827.8	378.2	229.1	145.9	117.3	117.9	118.4	122.4	129.3
734.0	42.5°	875.0	919.4	444.2	244.6	149.3	112.1	110.1	107.0	106.4	110.1
767.2	45°	952.6	1030.1	560.4	253.2	145.9	106.4	101.0	92.7	89.5	92.1
812.1	47.5°	1043.8	1151.4	698.0	255.2	140.2	99.3	89.5	78.7	76.1	76.9
872.5	50°	1132.8	1242.3	819.0	238.6	130.7	90.1	76.9	67.8	66.1	66.4
943.7	52.5°	1211.4	1273.5	853.3	199.4	118.1	79.0	66.1	59.8	58.6	58.6
1022.4	55°	1263.5	1239.8	760.9	152.5	102.4	67.5	56.6	53.5	52.9	52.6
1110.2	57.5°	1274.4	1129.9	574.7	110.1	80.1	56.9	50.3	48.6	47.5	46.3
1200.3	60°	1235.5	946.8	365.9	76.9	60.1	48.6	44.6	43.5	41.2	38.9
1285.0	62.5°	1151.4	715.1	202.5	53.5	48.3	41.5	39.5	38.0	33.8	30.0
1352.2	65°	1038.4	475.4	89.5	41.8	39.5	34.9	33.8	31.8	26.6	22.3
1377.6	67.5°	924.8	273.8	40.3	33.5	31.8	28.6	27.7	26.3	22.6	18.6
1312.7	70°	795.2	138.7	27.7	26.6	24.6	21.7	22.6	22.3	18.6	15.2
1070.7	72.5°	592.1	68.9	20.9	20.0	17.7	15.4	18.6	18.3	14.6	11.4
660.2	75°	335.3	34.0	15.2	14.0	10.6	11.4	14.9	14.0	10.0	7.4
278.6	77.5°	133.0	17.4	10.0	8.6	6.3	7.7	10.9	9.4	5.1	3.1
53.2	80°	30.6	8.6	5.1	3.7	2.9	4.6	5.7	3.4	1.4	0.3
14.3	82.5°	8.6	3.7	1.7	1.4	1.4	1.7	1.4	0.6	0.0	0.0
3.7	85°	2.9	1.7	0.6	0.3	0.3	0.3	0.3	0.0	0.0	0.0
1.1	87.5°	1.1	0.6	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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502.9
478.9
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