

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: P852068

Luminaire Tested: **GLAN-SB1A-840-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852068  
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-SB1A-840-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3021 lumens  
Efficiency: N/A  
Efficacy: 97.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

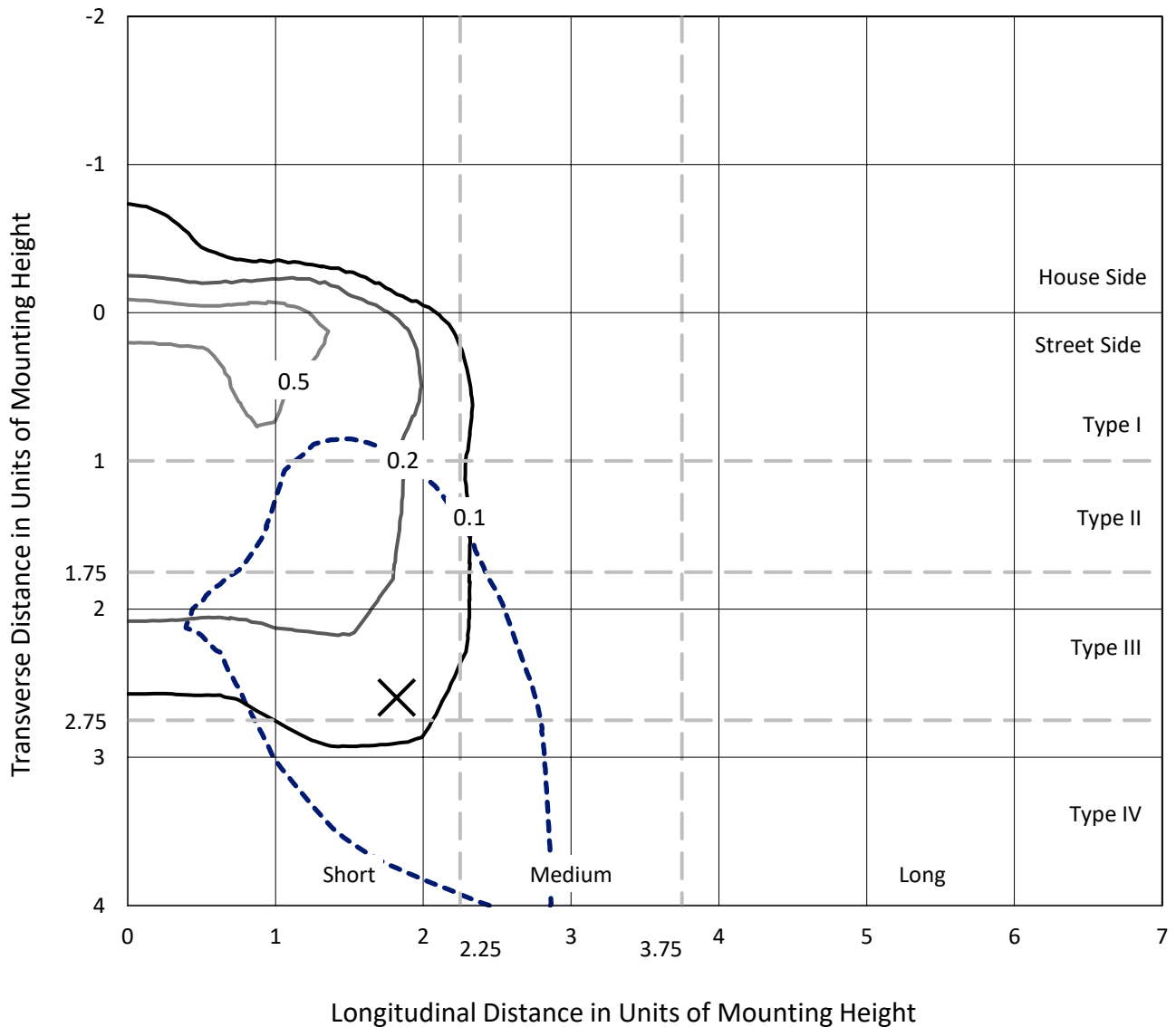
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

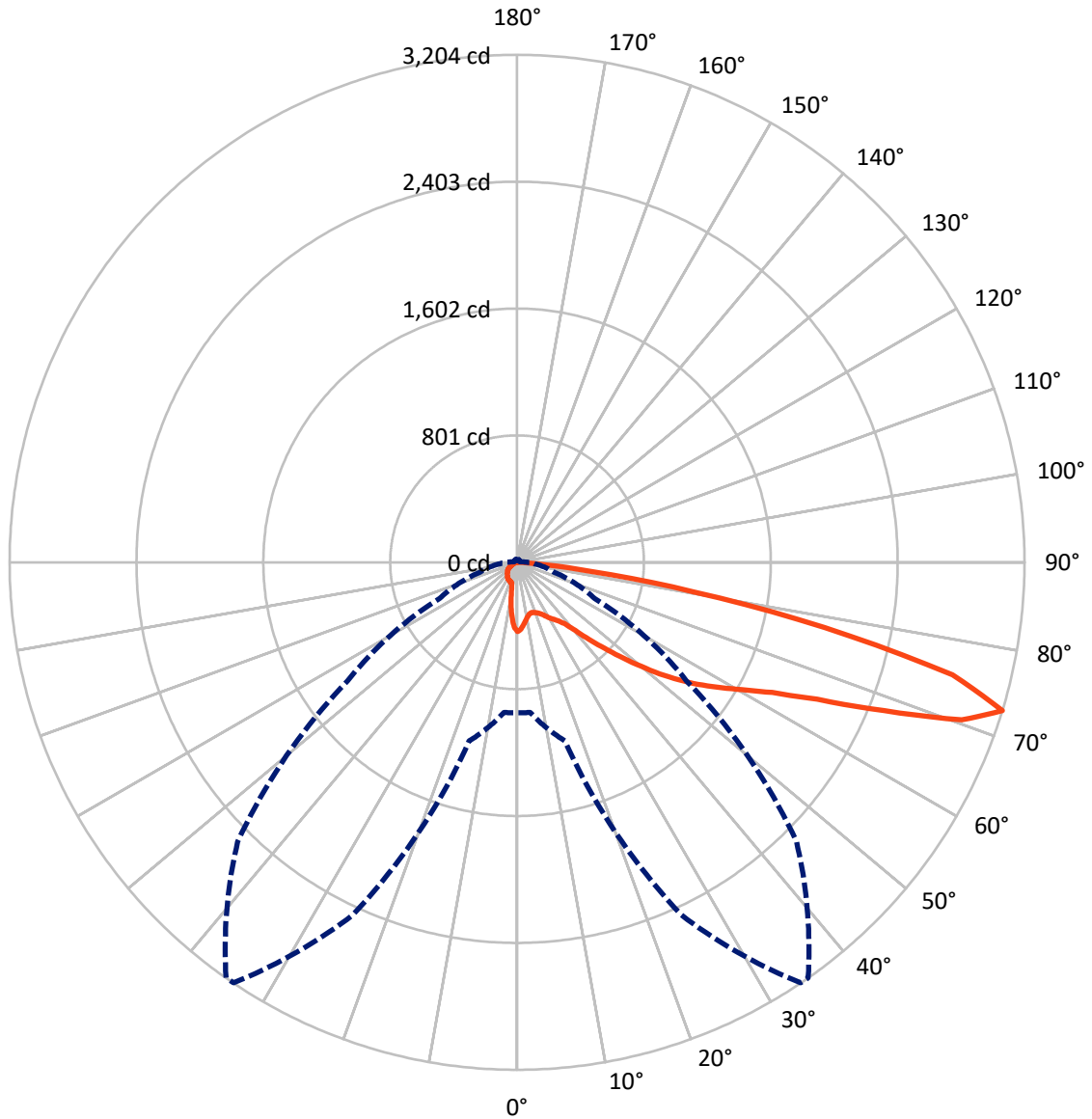
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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
<b>House Side</b>	Lumens	340.0	0.0	340.0
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	2681.0	0.0	2681.0
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	3021.0	0.0	3021.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.0	1.2
10°-20°	84.2	2.8
20°-30°	136.7	4.5
30°-40°	228.1	7.6
40°-50°	431.6	14.3
50°-60°	685.9	22.7
60°-70°	848.5	28.1
70°-80°	527.4	17.5
80°-90°	42.6	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°	3021.0	100.0
0°-180°	3021.0	100.0

**Coefficient of Utilization**



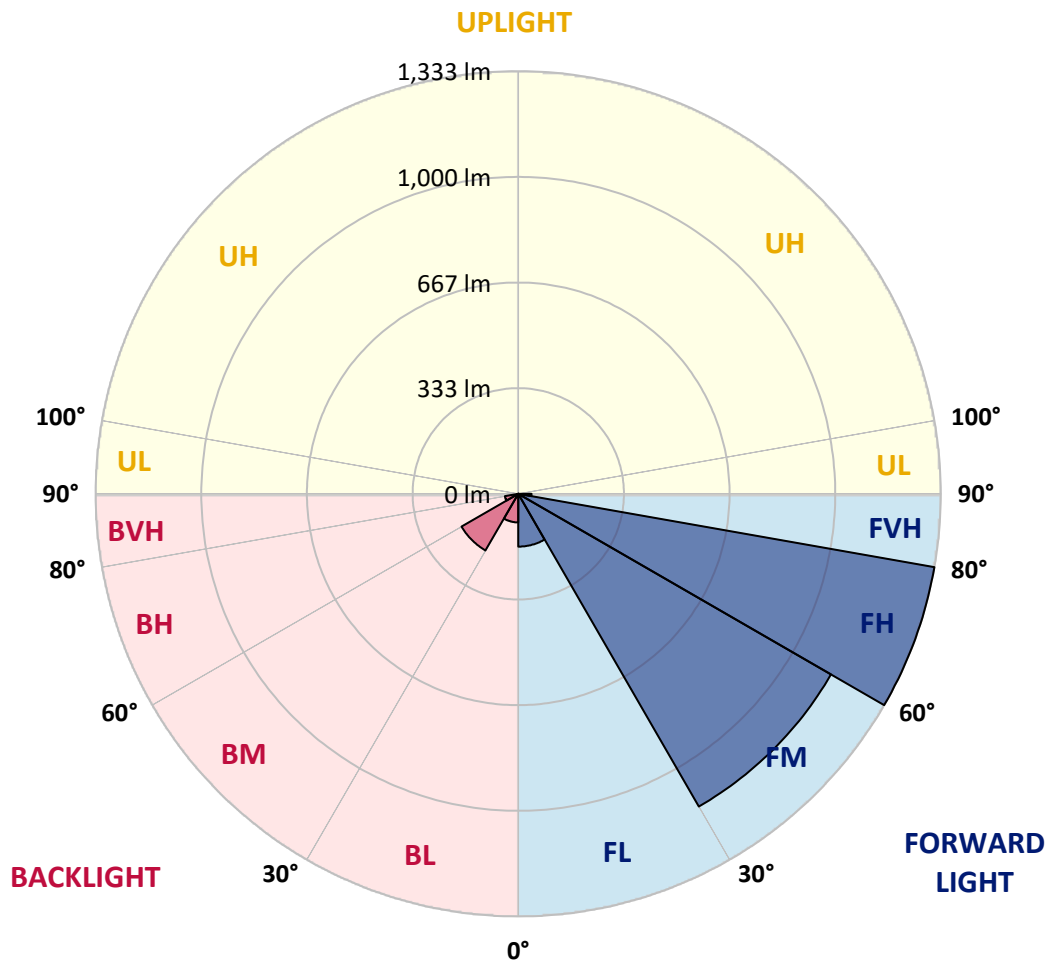
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.5	5.5			
FM (30°-60°)	1139.2	37.7			
FH (60°-80°)	1333.2	44.1			G1/1800
FVH (80°-90°)	42.0	1.4			G1/100
BL (0°-30°)	90.3	3.0	B0/110		
BM (30°-60°)	206.4	6.8	B0/220		
BH (60°-80°)	42.7	1.4	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: B0-U0-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	437.8	437.8	437.8	437.8	437.8	437.8	437.8	437.8	437.8	437.8
2.5°	418.4	421.9	422.6	423.7	423.7	425.0	427.2	430.3	435.4	438.1
5°	385.6	388.3	391.6	394.2	399.3	400.0	408.6	417.0	428.8	437.6
7.5°	352.6	355.7	360.1	366.6	373.2	375.2	388.3	402.4	421.0	437.6
10°	329.4	329.6	333.6	340.0	350.6	353.1	369.0	389.1	412.4	435.0
12.5°	316.3	317.9	319.6	324.5	334.7	336.2	353.3	377.0	403.8	433.4
15°	316.3	317.4	318.5	321.0	329.2	330.5	345.5	369.2	399.3	434.1
17.5°	319.6	321.4	320.5	323.4	332.0	332.9	346.2	367.0	399.1	438.3
20°	327.6	328.9	327.2	328.9	337.6	339.3	353.1	371.2	402.9	445.6
22.5°	340.2	340.9	336.7	338.0	346.9	349.1	365.0	383.2	411.9	457.3
25°	356.2	357.5	351.1	352.6	361.0	363.7	382.1	401.1	426.3	473.5
27.5°	374.5	375.2	369.7	369.4	380.3	384.1	402.6	423.2	445.6	493.8
30°	395.6	397.6	392.2	391.4	405.1	408.2	426.6	450.5	473.9	524.4
32.5°	412.2	413.7	410.6	412.8	426.8	429.2	455.6	489.0	518.4	567.8
35°	436.1	437.0	429.9	433.9	449.8	456.0	495.2	543.0	574.4	622.2
37.5°	522.6	522.6	492.5	472.8	488.1	493.6	549.4	610.9	643.5	695.3
40°	642.4	640.4	596.3	556.0	554.1	564.9	626.7	696.6	732.7	782.9
42.5°	770.1	767.0	707.0	667.2	660.5	664.3	715.9	802.2	838.9	889.9
45°	883.4	882.6	827.7	774.1	762.1	774.1	827.2	925.7	952.1	1005.6
47.5°	978.4	978.4	938.3	903.4	897.2	904.2	978.0	1062.7	1060.3	1128.9
50°	1087.7	1086.9	1048.8	1033.7	1040.2	1050.1	1151.5	1207.1	1172.3	1250.0
52.5°	1164.3	1169.7	1156.6	1154.2	1186.9	1204.2	1327.7	1348.3	1272.6	1364.9
55°	1225.0	1231.2	1246.2	1263.3	1326.4	1348.9	1498.4	1482.2	1356.5	1464.5
57.5°	1310.9	1302.0	1325.3	1358.9	1461.0	1488.2	1663.7	1608.6	1424.0	1545.3
60°	1415.1	1416.5	1420.4	1462.9	1595.3	1630.3	1826.6	1728.1	1467.4	1594.9
62.5°	1540.4	1542.4	1550.6	1615.9	1775.7	1808.7	2000.2	1826.0	1487.3	1580.9
65°	1531.8	1540.2	1631.6	1855.0	2050.0	2082.5	2202.7	1894.6	1457.2	1453.4
67.5°	1395.4	1409.2	1562.1	2140.5	2463.5	2499.8	2447.5	1908.1	1327.3	1130.2
70°	1216.6	1221.4	1405.4	2397.3	2942.3	2979.0	2666.7	1759.6	1007.2	630.4
72.5°	950.1	951.2	1167.0	2456.8	3202.2	3204.1	2494.7	1306.2	541.7	242.2
75°	678.7	672.0	781.6	1992.4	2817.2	2839.8	1870.2	612.7	207.0	114.4
77.5°	363.9	371.2	442.3	1181.6	1946.2	1984.7	1020.5	176.6	105.4	77.9
80°	112.4	118.6	181.3	541.0	1102.4	1125.6	378.3	78.6	73.5	55.6
82.5°	35.4	36.7	84.6	227.3	457.5	468.2	109.6	44.5	50.2	36.7
85°	10.2	10.4	37.6	84.8	113.1	115.3	30.8	17.3	28.8	22.8
87.5°	1.1	3.5	14.2	14.2	10.0	9.7	3.3	3.8	8.2	2.9
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°
437.8	0°	437.8	437.8	437.8	437.8	437.8	437.8	437.8	437.8	437.8	437.8
439.8	2.5°	438.7	439.0	436.1	431.2	425.9	421.5	415.9	411.5	408.4	407.5
443.8	5°	441.8	440.3	432.1	417.3	399.5	384.3	367.2	353.7	344.9	341.1
448.0	7.5°	446.5	442.0	424.1	394.9	361.0	330.9	300.4	276.7	261.6	254.1
452.0	10°	450.5	441.6	410.8	362.6	310.8	265.2	224.0	195.5	179.5	172.0
456.7	12.5°	454.2	441.4	393.6	324.3	254.1	198.3	160.0	145.9	141.4	139.9
464.2	15°	461.3	442.0	371.9	280.5	197.7	149.9	135.9	135.7	136.6	136.1
475.7	17.5°	471.0	442.7	347.3	234.0	152.5	132.2	131.5	133.5	134.8	134.1
490.1	20°	483.7	445.4	321.2	187.9	131.0	127.7	129.3	131.0	132.2	131.0
509.3	22.5°	501.4	450.0	292.6	151.0	124.2	125.1	126.4	128.4	129.5	127.9
533.9	25°	523.1	457.3	264.5	131.3	120.9	122.0	124.0	126.2	127.5	126.0
564.9	27.5°	551.2	469.1	238.6	126.8	117.5	118.2	121.1	124.4	126.2	124.2
609.0	30°	591.9	488.3	216.3	128.8	115.5	114.0	118.0	122.6	124.6	122.9
668.9	32.5°	645.9	515.5	202.5	131.9	114.7	109.1	112.9	118.9	122.2	121.1
747.3	35°	716.8	556.9	197.2	135.5	114.0	104.0	106.7	113.1	118.9	120.0
846.0	37.5°	802.6	614.5	198.8	137.0	112.0	99.8	101.2	106.7	114.2	117.8
957.1	40°	900.3	681.6	207.6	135.5	109.8	96.3	96.5	100.7	107.4	112.7
1076.7	42.5°	1001.0	759.9	224.0	129.7	107.8	93.2	92.5	95.4	99.8	103.6
1196.0	45°	1096.8	840.5	240.2	121.7	105.4	90.1	88.5	89.6	90.5	92.1
1312.2	47.5°	1180.5	897.2	235.5	114.4	102.0	86.6	83.9	83.5	80.8	80.6
1416.0	50°	1238.3	909.6	209.2	107.1	97.2	82.6	78.4	75.7	71.1	68.8
1493.7	52.5°	1256.6	860.6	170.9	99.8	89.2	77.3	71.3	67.1	61.3	59.3
1538.4	55°	1232.3	764.8	136.6	91.0	78.1	70.2	63.5	58.0	53.3	50.9
1543.3	57.5°	1172.7	642.8	108.0	80.6	66.4	62.2	55.6	50.0	46.0	43.6
1489.3	60°	1074.0	510.4	85.4	68.2	56.7	53.6	46.7	43.2	39.6	36.7
1349.8	62.5°	924.2	364.4	67.1	54.0	47.4	43.8	39.8	37.2	33.0	29.0
1099.0	65°	721.2	222.9	51.8	39.6	38.1	36.3	33.9	31.4	26.3	22.4
717.0	67.5°	454.9	105.6	37.0	29.9	30.1	29.2	28.1	26.1	22.4	18.8
321.2	70°	200.3	51.1	24.3	22.8	22.4	22.4	23.2	22.6	19.0	15.7
111.6	72.5°	68.2	27.4	18.2	17.3	16.2	15.9	19.5	18.8	15.3	12.2
55.6	75°	35.6	18.4	13.3	12.4	9.7	11.7	15.5	14.6	10.8	8.0
36.7	77.5°	23.2	13.1	9.1	8.0	5.5	7.7	11.5	10.2	6.4	4.0
24.1	80°	14.6	8.6	5.3	3.8	2.7	4.2	6.2	4.4	2.4	0.9
14.2	82.5°	7.7	4.4	2.0	1.3	1.1	1.3	1.5	1.1	0.4	0.0
7.3	85°	3.1	1.5	0.7	0.4	0.2	0.0	0.4	0.2	0.0	0.0
1.3	87.5°	1.1	0.2	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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437.8
409.1
342.4
255.2
172.2
139.5
135.9
133.9
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127.7
125.7
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122.6
121.1
120.0
118.6
114.4
105.1
93.0
80.4
69.1
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