

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: P182314

Luminaire Tested: **LXF-F02-LED-E-U-ASYM-BK-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P182314
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P26824)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF-F02-LED-E-U-ASYM-BK-8030
Description: LEXINGTON LED OUTDOOR LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - ASYMMETRIC
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3685.6 lumens
Efficiency: N/A
Efficacy: 67.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.83')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U3 - G2

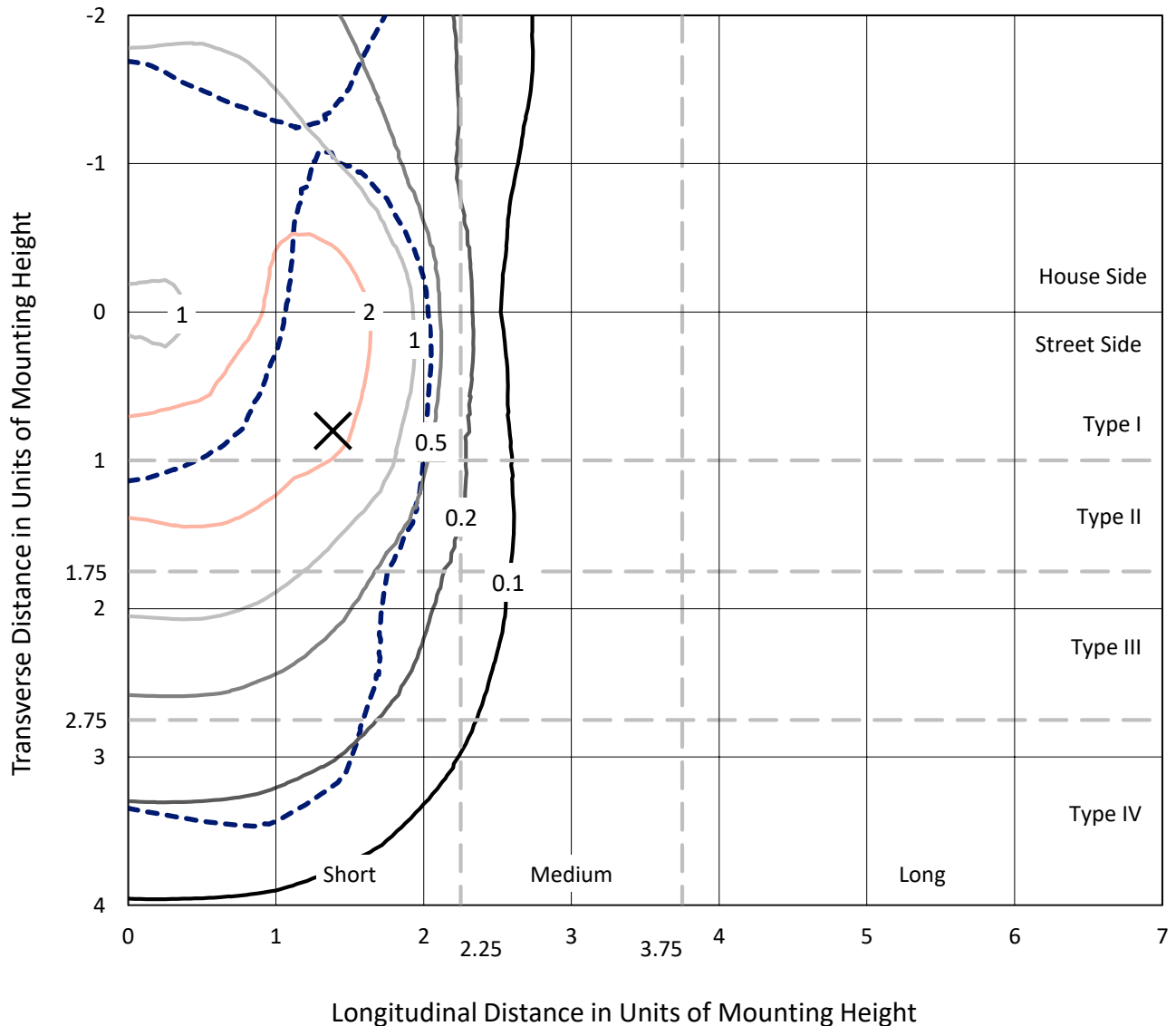
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

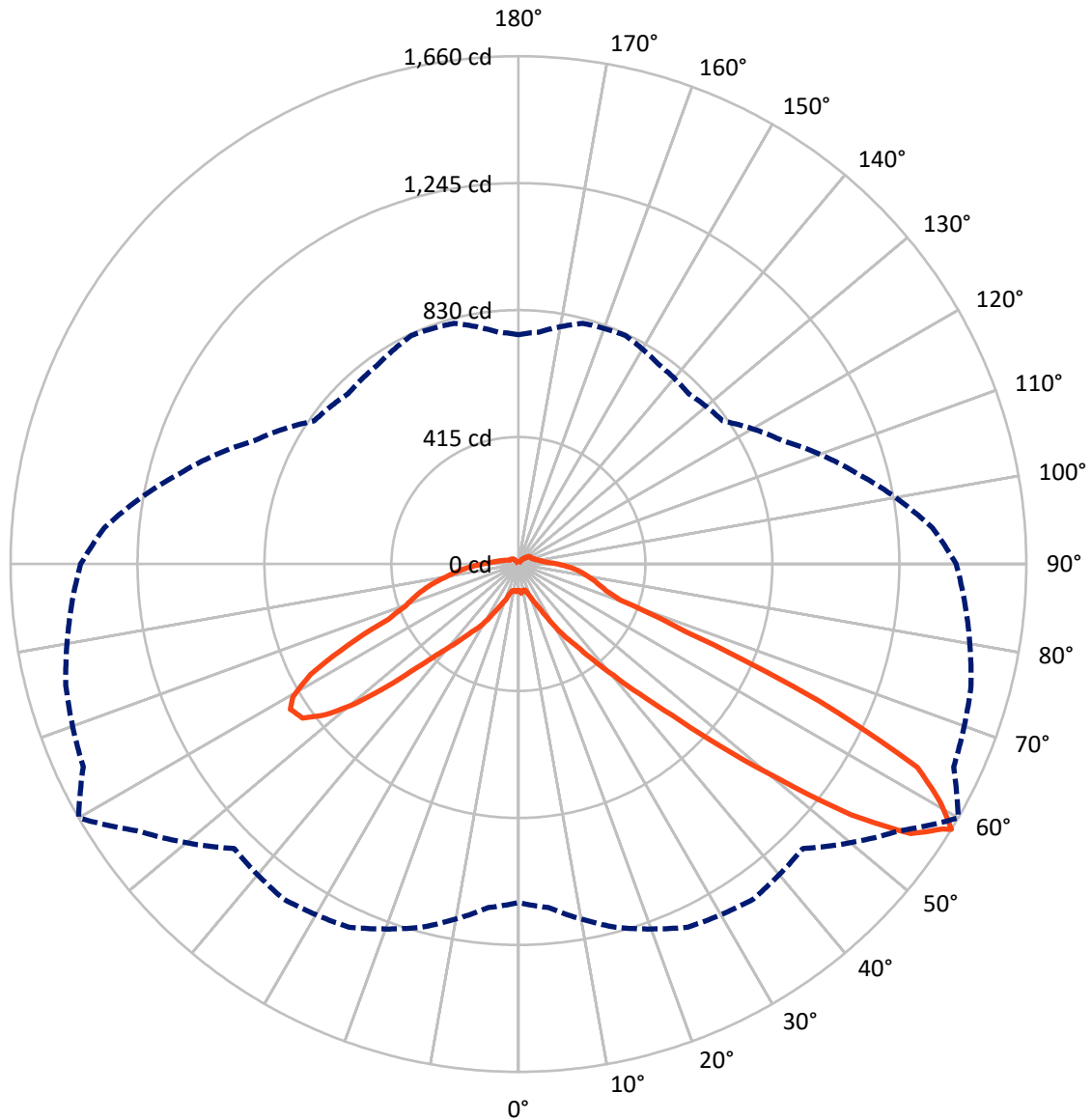
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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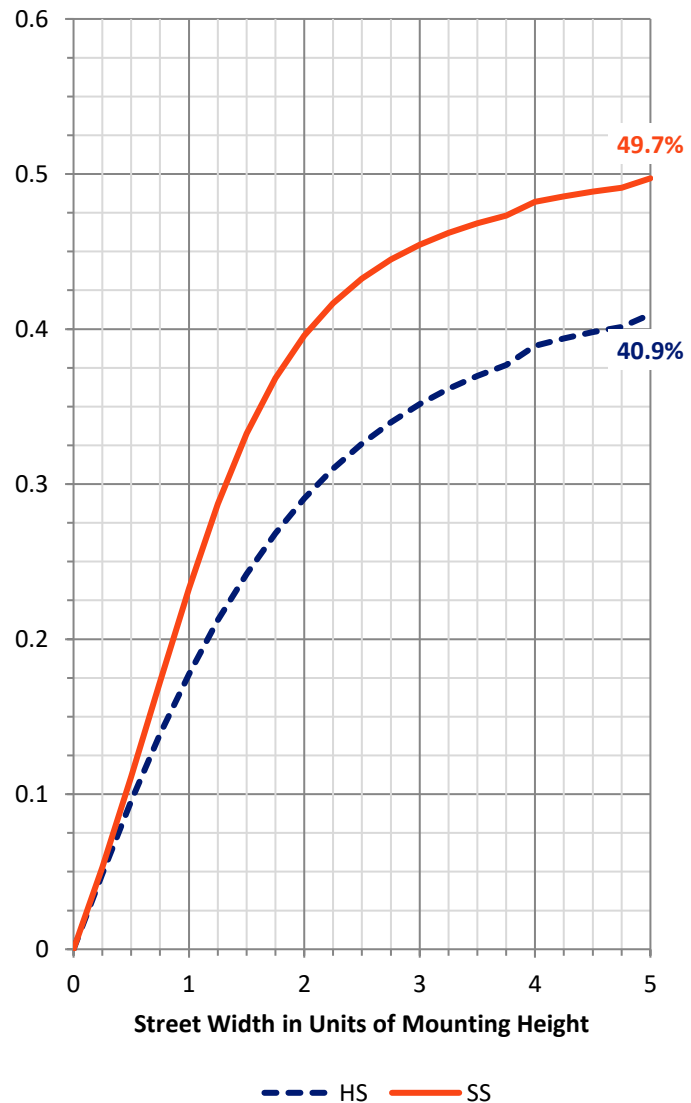
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1576.1	98.1	1674.2
	% Fixture	42.8	2.7	45.4
Street Side	Lumens	1903.9	107.6	2011.4
	% Fixture	51.7	2.9	54.6
Total	Lumens	3480.0	205.7	3685.6
	% Fixture	94.4	5.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	0.2
10°-20°	31.1	0.8
20°-30°	83.3	2.3
30°-40°	202.0	5.5
40°-50°	473.9	12.9
50°-60°	948.0	25.7
60°-70°	914.6	24.8
70°-80°	564.4	15.3
80°-90°	253.9	6.9
90°-100°	86.9	2.4
100°-110°	46.6	1.3
110°-120°	31.0	0.8
120°-130°	23.1	0.6
130°-140°	13.8	0.4
140°-150°	4.3	0.1
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3480.0	94.4
0°-180°	3685.6	100.0

Coefficient of Utilization



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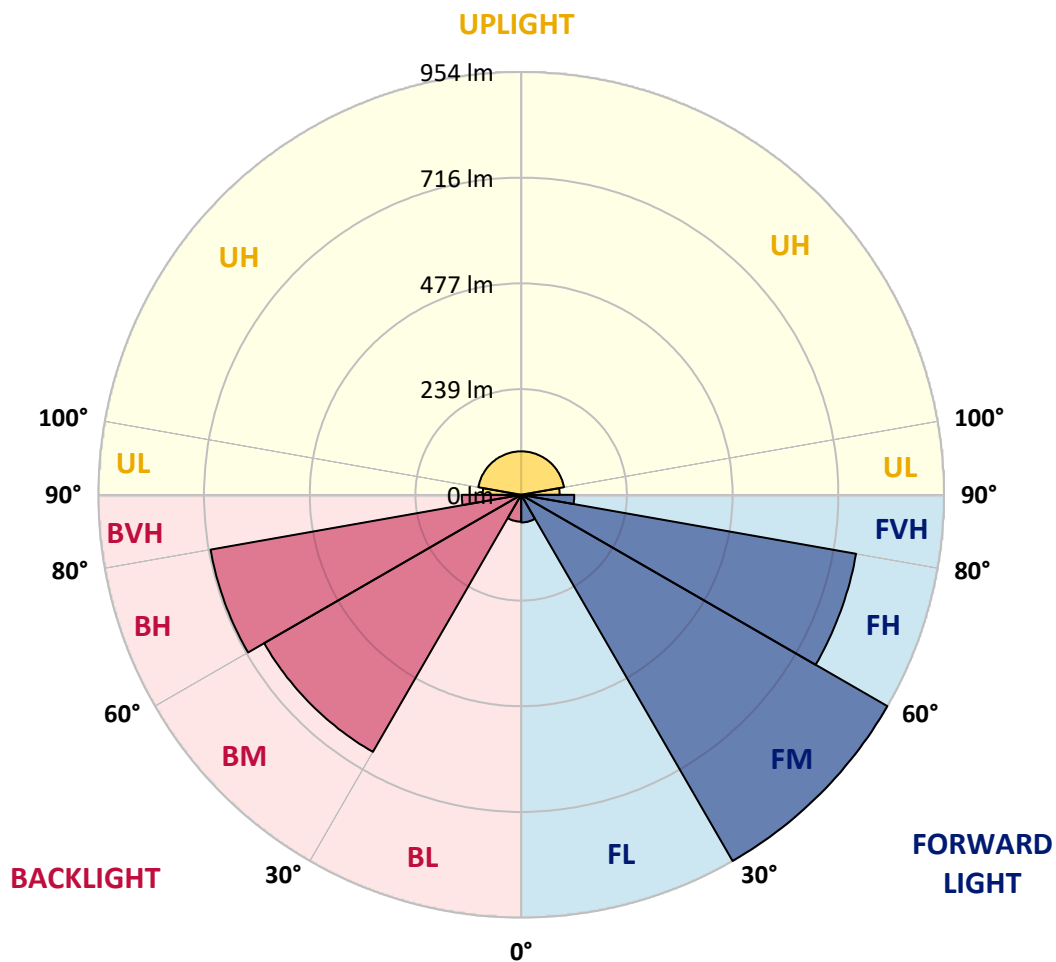
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	62.4	1.7			
FM	(30°-60°)	954.2	25.9			
FH	(60°-80°)	767.4	20.8			G1/1800
FVH	(80°-90°)	119.9	3.3			G2/225
BL	(0°-30°)	60.6	1.6	B0/110		
BM	(30°-60°)	669.8	18.2	B1/1000		
BH	(60°-80°)	711.7	19.3	B2/1000		G2/1000
BVH	(80°-90°)	134.1	3.6			G2/225
UL	(90°-100°)	86.9	2.4		U3/500	
UH	(100°-180°)	98.1	2.7		U3/500	

BUG Rating: B2-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
2.5°	96.1	95.5	92.7	91.3	89.2	88.5	87.1	87.1	86.4	83.6	82.9
5°	92.0	91.3	87.8	86.4	89.2	92.0	94.1	96.1	94.1	90.6	85.7
7.5°	98.2	98.9	94.8	97.5	101.0	90.6	88.5	90.6	91.3	90.6	85.7
10°	104.5	102.4	98.9	98.9	96.1	96.8	92.7	89.2	88.5	84.3	82.9
12.5°	110.8	107.3	110.1	110.8	105.9	96.1	88.5	87.1	85.7	84.3	85.0
15°	135.2	125.4	128.9	117.7	110.8	98.2	92.0	91.3	90.6	90.6	91.3
17.5°	140.7	133.1	138.7	135.9	117.7	108.0	102.4	101.7	100.3	100.3	101.7
20°	158.9	158.9	161.6	147.7	133.1	126.1	119.1	117.7	115.7	115.7	119.8
22.5°	179.1	172.1	174.2	164.4	158.2	150.5	142.1	136.6	132.4	133.8	133.8
25°	191.6	193.7	195.8	190.2	183.9	174.9	166.5	159.6	156.1	154.0	151.2
27.5°	227.8	228.5	227.8	222.3	217.4	206.9	200.0	195.1	191.6	183.2	180.5
30°	266.2	268.2	268.2	261.3	255.7	243.2	241.1	239.7	233.4	220.9	217.4
32.5°	310.7	312.1	312.8	308.0	296.1	296.1	292.6	287.1	284.3	264.1	248.7
35°	365.1	367.2	366.5	362.3	350.5	335.8	333.7	330.9	328.9	312.1	300.3
37.5°	422.9	424.3	429.9	420.1	404.1	393.0	402.7	399.9	399.2	374.1	352.5
40°	484.9	487.0	496.8	488.4	473.1	468.9	477.3	478.0	478.7	456.4	433.4
42.5°	560.9	561.6	569.2	567.8	556.0	549.7	565.1	579.7	581.8	547.6	518.4
45°	662.6	663.3	680.0	668.9	657.7	634.7	693.9	703.7	727.4	693.9	683.5
47.5°	761.5	765.0	788.0	784.5	776.2	776.2	889.0	891.1	953.1	956.6	913.4
50°	848.6	859.1	900.2	917.6	944.1	960.8	1115.5	1105.0	1171.2	1169.1	1107.8
52.5°	955.2	967.1	1008.9	1054.9	1093.2	1127.3	1290.4	1362.1	1357.9	1368.4	1303.6
55°	1022.1	1039.5	1126.6	1194.9	1190.0	1254.8	1447.1	1555.8	1499.4	1511.2	1443.6
57.5°	1094.6	1112.7	1212.3	1290.4	1314.0	1327.3	1520.3	1634.5	1547.4	1521.0	1495.9
58°	1107.1	1127.3	1229.7	1309.9	1337.7	1314.7	1520.3	1660.3	1569.7	1532.1	1465.2
60°	1147.5	1168.4	1278.5	1371.2	1376.7	1347.5	1554.4	1586.5	1500.8	1411.6	1365.6
62.5°	1199.1	1223.5	1326.6	1359.3	1376.1	1291.7	1424.1	1463.1	1321.0	1230.4	1118.3
65°	1171.2	1199.8	1317.5	1339.8	1250.6	1191.4	1177.5	1080.6	922.5	705.1	615.2
67.5°	1117.6	1144.7	1228.3	1221.4	1089.7	859.1	741.3	591.5	447.3	281.5	235.5
70°	1003.3	1027.7	1101.5	1056.3	896.0	608.3	433.4	353.9	289.1	207.6	172.1
72.5°	852.1	873.0	925.3	882.8	725.3	505.1	349.1	300.3	256.4	190.2	160.2
75°	712.1	723.9	769.2	741.3	609.6	438.9	314.9	273.1	236.9	183.9	160.2
77.5°	607.6	613.1	641.0	618.7	523.2	384.6	287.1	250.8	221.6	174.2	154.0
80°	475.2	482.1	511.4	516.3	435.5	338.6	256.4	225.0	202.1	159.6	141.4
82.5°	359.5	364.4	393.0	402.0	358.1	285.7	227.8	202.8	182.5	145.6	133.1
85°	243.9	245.3	274.5	297.5	279.4	235.5	200.0	177.7	160.9	131.0	120.5
87.5°	157.5	158.2	178.4	202.8	208.3	188.1	167.2	149.1	135.2	108.0	94.1
90°	108.0	109.4	121.2	138.0	150.5	147.0	136.6	121.2	110.1	85.0	70.4
92.5°	80.8	81.5	88.5	99.6	109.4	113.6	108.7	97.5	86.4	66.2	54.3
95°	64.1	63.4	69.0	77.3	85.7	92.0	91.3	82.2	72.5	55.7	48.8
97.5°	52.3	52.3	57.1	62.7	70.4	78.7	80.1	73.9	66.9	53.6	50.2
100°	44.6	44.6	47.4	53.0	59.9	68.3	71.8	67.6	63.4	52.3	52.3
102.5°	37.6	37.6	39.7	45.3	52.3	60.6	64.1	61.3	58.5	48.8	50.2
105°	31.4	31.4	33.4	38.3	46.7	54.3	57.8	56.4	54.3	43.9	47.4
107.5°	25.8	25.8	27.9	33.4	41.8	50.9	54.3	53.6	51.6	42.5	45.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	21.6	21.6	23.7	30.0	37.6	45.3	50.9	50.2	48.8	43.9	44.6
112.5°	18.1	18.1	20.2	27.2	34.8	41.8	46.7	47.4	46.0	45.3	43.2
115°	16.0	16.0	17.4	25.1	33.4	41.1	46.0	46.7	45.3	45.3	41.8
117.5°	14.6	14.6	16.0	23.0	31.4	39.0	44.6	46.7	46.7	46.7	43.9
120°	13.9	13.9	14.6	20.9	28.6	35.5	41.8	44.6	45.3	46.7	44.6
122.5°	13.2	13.2	13.2	18.1	26.5	32.7	40.4	43.9	43.9	46.0	42.5
125°	12.5	12.5	12.5	15.3	24.4	32.0	38.3	41.8	42.5	44.6	41.1
127.5°	11.8	11.8	11.8	13.2	21.6	30.0	36.2	38.3	39.0	41.8	39.7
130°	11.1	11.1	11.1	11.1	18.1	26.5	32.0	33.4	34.8	37.6	36.9
132.5°	10.5	10.5	9.8	9.8	15.3	22.3	27.9	28.6	30.7	34.1	34.8
135°	9.1	9.1	8.4	8.4	11.1	18.8	24.4	25.8	27.9	30.0	31.4
137.5°	7.7	7.7	7.0	7.0	7.7	15.3	20.9	22.3	25.1	27.9	29.3
140°	6.3	6.3	6.3	5.6	5.6	11.1	17.4	19.5	22.3	25.1	26.5
142.5°	5.6	4.9	4.9	4.9	4.9	7.0	13.2	16.7	18.8	22.3	23.7
145°	4.2	4.2	4.2	3.5	3.5	4.2	9.1	11.8	13.9	18.1	19.5
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
2.5°	82.2	83.6	85.7	85.7	86.4	86.4	86.4	88.5	90.6	90.6	90.6
5°	87.1	88.5	90.6	91.3	89.9	87.8	85.7	85.7	89.9	92.0	92.0
7.5°	85.7	87.8	89.2	88.5	87.1	90.6	96.8	92.7	89.9	92.7	92.7
10°	84.3	85.0	84.3	88.5	94.1	93.4	92.0	96.1	96.1	99.6	104.5
12.5°	85.7	86.4	86.4	87.8	89.9	94.8	103.8	104.5	103.1	103.1	104.5
15°	91.3	92.0	92.0	92.7	94.1	97.5	109.4	118.4	126.1	122.6	129.6
17.5°	102.4	103.8	103.8	104.5	104.5	110.1	117.7	128.9	137.3	136.6	139.3
20°	121.2	121.2	121.2	121.2	124.0	130.3	135.2	144.2	152.6	151.2	148.4
22.5°	133.1	131.7	133.8	133.1	142.8	149.1	156.8	162.3	170.0	171.4	169.3
25°	151.2	150.5	149.8	151.2	160.2	169.3	179.8	186.0	190.9	192.3	192.3
27.5°	178.4	175.6	174.2	178.4	184.6	194.4	202.8	209.7	216.7	218.8	218.1
30°	213.9	210.4	204.8	215.3	211.8	220.2	227.8	237.6	245.9	248.7	248.0
32.5°	243.2	236.9	231.3	241.8	245.3	248.0	256.4	268.2	278.7	281.5	280.8
35°	285.0	275.9	265.5	266.8	270.3	274.5	289.1	301.0	308.7	311.4	310.0
37.5°	333.7	324.0	308.0	303.1	307.3	306.6	319.8	335.8	344.2	344.9	343.5
40°	403.4	397.1	369.3	356.7	340.0	341.4	353.9	372.8	381.8	385.3	382.5
42.5°	482.8	471.7	438.2	405.5	393.0	382.5	393.0	415.3	429.2	432.7	428.5
45°	659.8	629.8	571.3	506.5	443.1	428.5	439.6	467.5	479.4	476.6	471.7
47.5°	873.0	819.4	731.6	627.8	544.8	487.0	495.4	521.9	535.8	534.4	529.5
50°	1053.5	1003.3	872.3	758.7	645.2	571.3	560.9	595.0	598.5	576.9	572.0
52.5°	1252.7	1197.7	1054.9	875.1	726.7	663.3	646.6	666.1	647.3	613.1	608.3
55°	1390.7	1319.6	1157.3	942.0	792.2	732.3	727.4	726.0	703.7	668.9	660.5
57.5°	1445.7	1380.9	1175.4	941.3	819.4	784.5	787.3	806.8	797.8	742.7	732.3
58°	1431.1	1358.6	1145.4	953.1	815.2	787.3	797.8	824.9	814.5	760.8	749.7
60°	1316.8	1278.5	1033.3	898.8	813.8	798.5	846.5	897.4	901.6	842.4	833.3
62.5°	1053.5	1020.0	854.9	790.1	749.0	807.5	900.2	979.6	978.2	909.2	893.2
65°	555.3	556.0	555.3	560.2	677.9	801.2	935.7	1042.3	1062.5	1000.5	981.7
67.5°	220.2	227.1	271.0	368.6	553.9	749.7	951.7	1098.1	1135.7	1075.1	1060.4
70°	158.2	166.5	216.0	314.2	474.5	705.1	929.4	1109.9	1175.4	1130.8	1121.7
72.5°	145.6	151.2	196.5	287.8	434.8	652.8	901.6	1130.1	1199.1	1162.9	1151.7
75°	142.8	146.3	183.9	263.4	389.5	592.2	850.7	1058.3	1109.9	1073.7	1052.1
77.5°	139.3	140.0	170.7	237.6	336.5	509.3	719.0	889.7	889.7	848.6	828.4
80°	131.0	129.6	155.4	208.3	285.7	414.6	556.7	653.5	639.6	610.3	589.4
82.5°	123.3	119.8	141.4	181.2	243.2	331.6	408.3	464.0	447.3	423.6	410.4
85°	113.6	109.4	126.8	159.6	203.4	252.2	309.4	338.6	322.6	294.7	289.1
87.5°	91.3	90.6	108.0	136.6	161.6	200.0	232.7	243.2	220.9	193.0	188.8
90°	70.4	72.5	90.6	112.9	129.6	154.0	168.6	160.9	139.3	120.5	115.7
92.5°	56.4	59.2	75.9	92.7	105.9	114.3	117.1	107.3	96.1	85.7	82.9
95°	52.3	53.0	65.5	78.7	85.7	88.5	85.0	77.3	71.8	66.2	64.1
97.5°	53.6	53.6	61.3	69.7	72.5	71.1	66.9	59.9	55.7	51.6	49.5
100°	55.7	54.3	57.8	62.7	61.3	59.2	55.0	48.8	44.6	40.4	39.0
102.5°	53.6	51.6	52.3	55.0	53.0	50.9	46.7	41.1	36.2	32.0	31.4
105°	50.2	48.1	46.7	48.1	46.7	44.6	41.1	34.8	30.0	25.8	25.1
107.5°	46.7	44.6	42.5	42.5	41.8	39.7	35.5	30.7	25.1	20.9	20.9



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CATALOG NUMBER: LXF-F02-LED-E-U-ASYM-BK-8030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	44.6	41.8	39.0	37.6	36.9	34.8	31.4	26.5	20.9	17.4	17.4
112.5°	43.2	40.4	36.2	34.1	32.7	31.4	28.6	23.7	18.1	15.3	14.6
115°	41.1	38.3	34.1	32.0	30.0	28.6	25.8	21.6	16.0	13.9	13.2
117.5°	41.8	38.3	34.1	31.4	28.6	26.5	23.7	19.5	13.9	12.5	12.5
120°	41.8	38.3	33.4	30.0	27.9	25.1	22.3	16.7	12.5	11.8	11.8
122.5°	40.4	38.3	33.4	29.3	26.5	24.4	20.2	14.6	11.1	11.1	11.1
125°	39.7	37.6	34.1	30.0	26.5	23.0	18.8	12.5	11.1	10.5	10.5
127.5°	39.0	36.9	33.4	29.3	25.1	21.6	16.0	11.1	10.5	10.5	10.5
130°	36.9	35.5	32.0	27.9	23.7	19.5	13.2	9.8	9.1	9.8	9.8
132.5°	34.8	33.4	30.0	25.8	20.9	16.0	11.1	9.1	8.4	9.1	9.1
135°	32.0	30.7	27.2	23.0	18.1	13.9	9.1	7.7	7.7	7.7	7.7
137.5°	29.3	29.3	25.8	20.2	16.0	11.1	7.0	6.3	6.3	7.0	7.0
140°	26.5	26.5	23.0	18.1	13.2	8.4	5.6	5.6	5.6	6.3	6.3
142.5°	23.7	23.7	20.2	15.3	10.5	5.6	4.2	4.2	4.9	4.9	4.9
145°	20.2	19.5	16.7	11.8	7.0	3.5	3.5	3.5	3.5	4.2	4.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)