

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: P14208

Luminaire Tested: **ACN/CLB/ARC-080-LED-E-U-33-3-6-X-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P14208
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ACN/CLB/ARC-080-LED-E-U-33-3-6-X-BK
Description: STREETWORKS POST TOP WITH A TYPE III SOLID TOP
PRISMATIC REFRACTOR WITH ARCHITECTURAL CAGE
Light Source: [6] 4000K LEDs
Ballast/Driver: [2] ELECTRONIC DRIVERS

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9467.6 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.08' x H: 2.21')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B3 - U3 - G3

Input Watts (W): 101.3
Input Voltage (V): NR
Input Current (A_{in}): 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

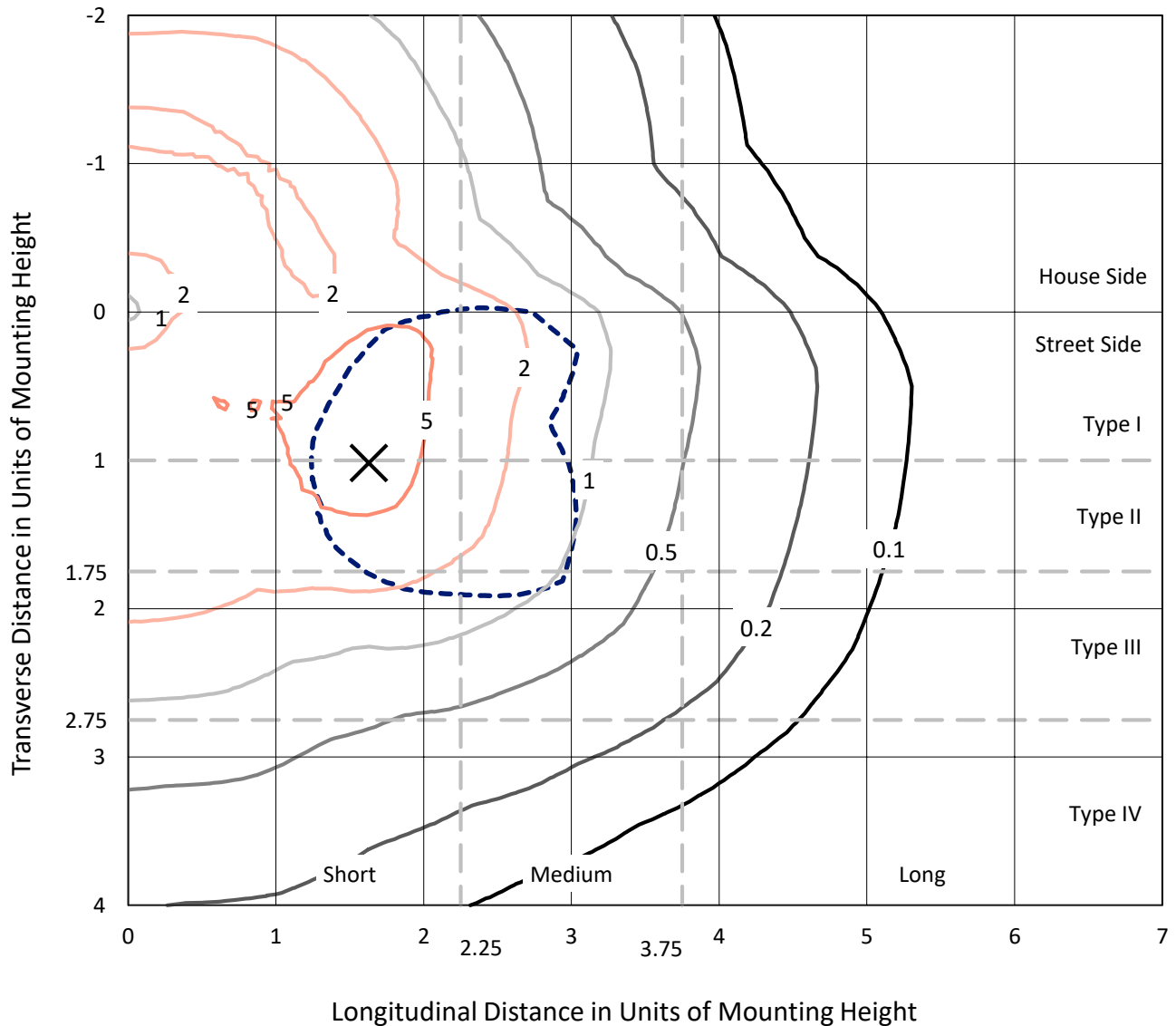


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

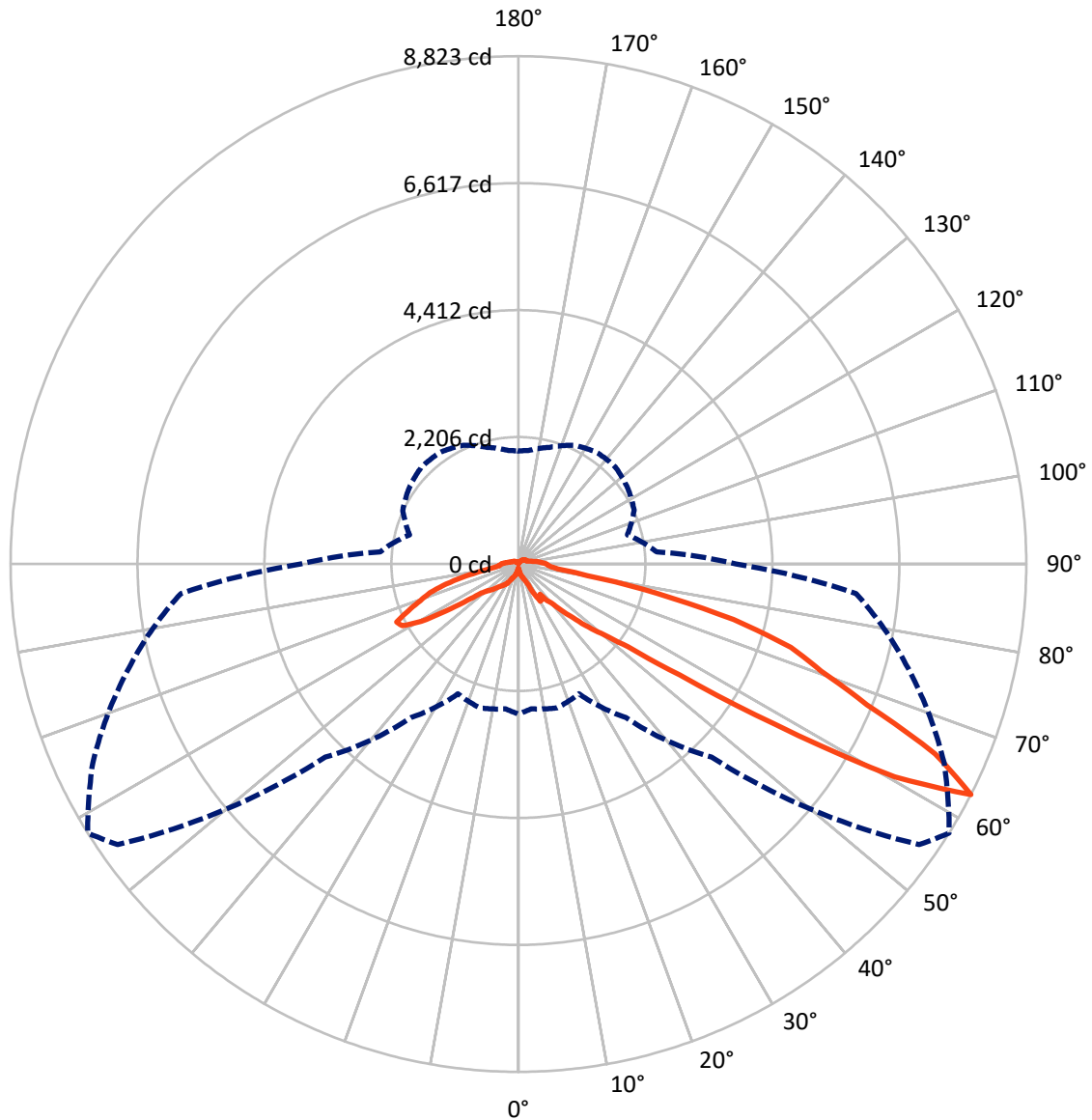


Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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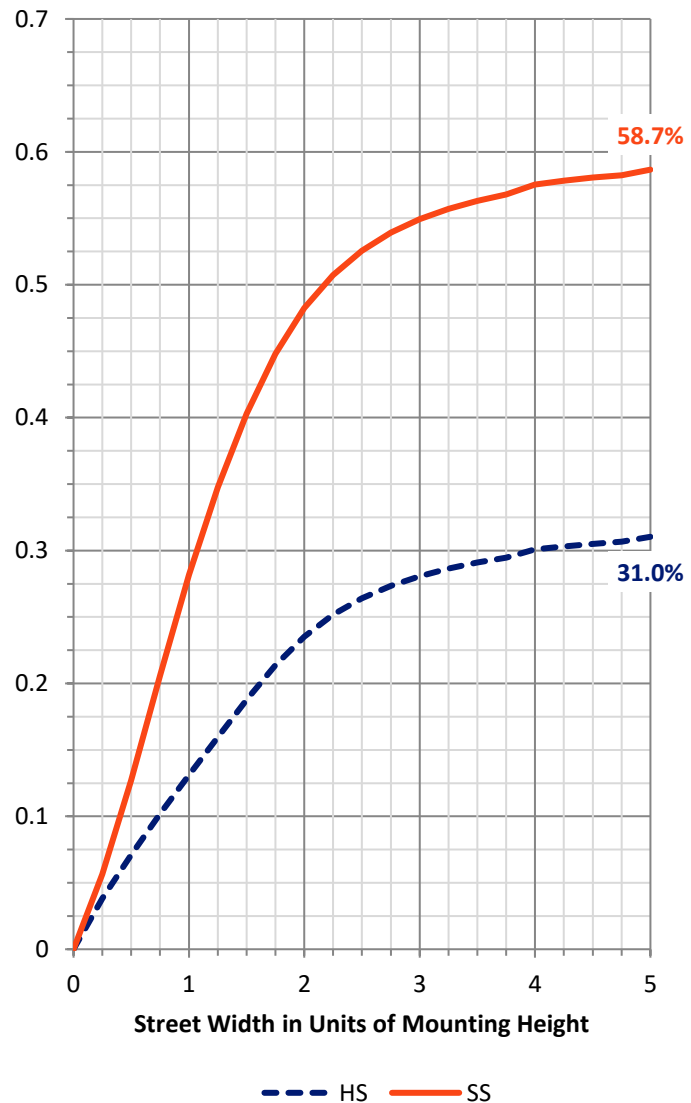
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3021.3	326.9	3348.2
	% Fixture	31.9	3.5	35.4
Street Side	Lumens	5683.6	435.8	6119.3
	% Fixture	60.0	4.6	64.6
Total	Lumens	8704.9	762.7	9467.6
	% Fixture	91.9	8.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	0.1
10°-20°	60.0	0.6
20°-30°	165.5	1.7
30°-40°	361.9	3.8
40°-50°	663.3	7.0
50°-60°	1640.9	17.3
60°-70°	3306.0	34.9
70°-80°	2001.2	21.1
80°-90°	494.6	5.2
90°-100°	294.4	3.1
100°-110°	167.2	1.8
110°-120°	114.1	1.2
120°-130°	84.1	0.9
130°-140°	54.3	0.6
140°-150°	28.7	0.3
150°-160°	13.1	0.1
160°-170°	5.6	0.1
170°-180°	1.2	0.0
0°-90°	8704.9	91.9
0°-180°	9467.6	100.0

Coefficient of Utilization



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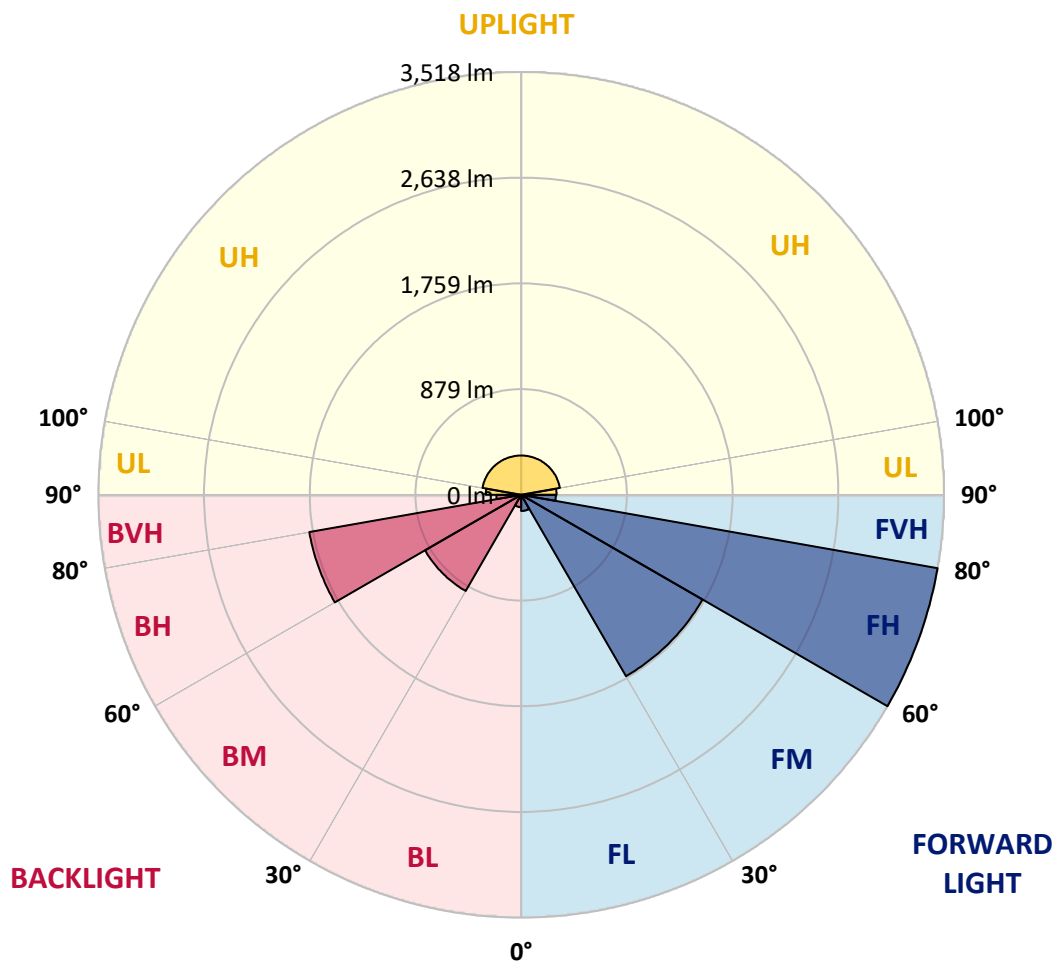
CATALOG NUMBER: ACN/CLB/ARC-080-LED-E-U-33-3-6-X-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	134.9	1.4			
FM (30°-60°)	1742.5	18.4			
FH (60°-80°)	3517.7	37.2			G2/5000
FVH (80°-90°)	288.5	3.0			G3/500
BL (0°-30°)	102.1	1.1	B0/110		
BM (30°-60°)	923.6	9.8	B1/1000		
BH (60°-80°)	1789.5	18.9	B3/2500		G3/2500
BVH (80°-90°)	206.1	2.2			G2/225
UL (90°-100°)	294.4	3.1		U3/500	
UH (100°-180°)	326.9	3.5		U3/500	

BUG Rating: B3-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
2.5°	90.1	91.8	91.8	90.1	88.5	86.9	83.6	83.6	81.9	81.9	81.9
5°	114.7	114.7	114.7	113.1	111.4	108.2	104.9	104.9	106.5	101.6	98.3
7.5°	147.5	145.9	147.5	145.9	144.2	140.9	142.6	139.3	136.0	134.4	132.7
10°	180.3	178.6	180.3	180.3	178.6	177.0	170.4	172.1	168.8	162.2	159.0
12.5°	208.1	206.5	209.8	209.8	208.1	204.8	203.2	199.9	195.0	193.4	185.2
15°	226.2	222.9	226.2	226.2	227.8	231.1	226.2	222.9	218.0	213.0	206.5
17.5°	244.2	245.8	249.1	247.5	250.7	258.9	255.7	252.4	242.5	239.3	231.1
20°	265.5	268.8	270.4	268.8	268.8	278.6	283.5	280.2	268.8	265.5	249.1
22.5°	311.4	313.0	316.3	317.9	303.2	316.3	329.4	326.1	309.7	313.0	281.9
25°	367.1	362.2	362.2	357.3	358.9	380.2	403.1	403.1	380.2	344.1	309.7
27.5°	445.8	450.7	463.8	457.2	478.5	519.5	576.9	599.8	591.6	514.6	401.5
30°	571.9	571.9	608.0	617.8	624.4	683.4	724.3	753.8	781.7	658.8	506.4
32.5°	604.7	608.0	663.7	662.1	670.3	748.9	745.7	740.7	798.1	698.1	550.6
35°	588.3	601.4	650.6	644.0	667.0	865.3	680.1	645.7	693.2	649.0	526.1
37.5°	622.7	635.9	658.8	662.1	716.2	1014.4	817.8	799.7	793.2	703.0	557.2
40°	709.6	727.6	768.6	793.2	832.5	1163.5	925.9	891.5	826.0	863.6	642.4
42.5°	837.4	845.6	863.6	907.9	984.9	1255.3	1165.2	1112.7	942.3	1011.1	737.5
45°	925.9	940.7	965.3	988.2	1042.3	1319.2	1391.3	1327.4	1075.1	1216.0	855.5
47.5°	1012.8	1009.5	1022.6	1043.9	1106.2	1502.8	1691.2	1637.2	1250.4	1388.1	965.3
50°	906.3	904.6	993.1	1024.2	965.3	1414.3	1896.1	1928.9	1548.7	1391.3	1061.9
52.5°	1021.0	988.2	1116.0	1127.5	1147.2	1699.4	2346.8	2384.5	2171.4	1784.7	1240.6
55°	1427.4	1332.3	1466.7	1479.8	1614.2	2159.9	3223.5	3400.5	3412.0	3044.9	1853.5
57.5°	1986.2	1827.3	2007.5	2017.4	2340.2	2935.1	4832.8	5258.9	5435.9	4744.3	3095.7
60°	2368.1	2220.6	2376.3	2338.6	2925.3	3787.3	6971.5	7509.0	7453.3	6291.4	4698.4
62.5°	2605.7	2525.4	2587.7	2487.7	3253.0	4744.3	8498.8	8823.3	8157.9	7010.8	5886.6
65°	2445.1	2448.4	2450.0	2384.5	3138.3	5018.0	7951.5	7956.4	7271.4	6117.6	6019.3
67.5°	2353.3	2351.7	2384.5	2268.1	2843.3	4805.0	6583.1	6529.0	6119.3	5209.7	5463.8
70°	2123.9	2110.8	2196.0	2087.8	2476.2	4157.6	5404.8	5581.8	5219.6	4564.1	4773.8
72.5°	1950.2	1910.8	2005.9	1868.2	2168.1	3344.8	4637.8	4947.5	4652.6	4123.2	4234.7
75°	1638.8	1589.6	1689.6	1527.4	1702.7	2453.3	3557.8	3861.0	3784.0	3472.6	3467.7
77.5°	1160.3	1106.2	1171.7	1047.2	1165.2	1504.4	2222.2	2458.2	2640.1	2494.3	2391.0
80°	716.2	671.9	719.4	649.0	719.4	791.5	1083.2	1214.4	1424.1	1430.7	1312.7
82.5°	450.7	429.4	449.0	414.6	444.1	517.9	634.2	686.7	762.0	765.3	689.9
85°	360.5	350.7	362.2	355.6	378.6	455.6	531.0	553.9	553.9	501.5	481.8
87.5°	354.0	345.8	357.3	357.3	386.8	468.7	506.4	511.3	501.5	444.1	457.2
90°	342.5	334.3	344.1	349.1	385.1	470.3	480.2	478.5	460.5	409.7	416.3
92.5°	301.5	295.0	308.1	314.6	340.9	399.9	413.0	417.9	406.4	365.5	342.5
95°	277.0	273.7	285.2	290.1	308.1	344.1	363.8	367.1	355.6	314.6	304.8
97.5°	242.5	239.3	245.8	252.4	267.1	303.2	308.1	311.4	290.1	258.9	252.4
100°	211.4	209.8	218.0	221.2	229.4	258.9	252.4	252.4	239.3	216.3	213.0
102.5°	190.1	186.8	191.7	191.7	204.8	222.9	213.0	211.4	198.3	175.4	170.4
105°	172.1	170.4	177.0	175.4	181.9	193.4	185.2	185.2	168.8	152.4	149.1
107.5°	154.0	157.3	162.2	163.9	172.1	185.2	172.1	167.2	149.1	137.7	136.0
110°	144.2	140.9	144.2	147.5	155.7	168.8	157.3	157.3	144.2	131.1	134.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
112.5°	126.2	126.2	131.1	132.7	139.3	147.5	147.5	150.8	140.9	129.5	129.5
115°	122.9	116.4	121.3	122.9	131.1	134.4	137.7	137.7	132.7	126.2	122.9
117.5°	109.8	109.8	111.4	114.7	124.5	136.0	145.9	147.5	136.0	137.7	127.8
120°	101.6	106.5	104.9	106.5	111.4	121.3	131.1	132.7	118.0	127.8	119.6
122.5°	100.0	100.0	103.2	103.2	111.4	122.9	127.8	124.5	118.0	119.6	121.3
125°	93.4	91.8	93.4	95.1	108.2	111.4	116.4	116.4	118.0	114.7	119.6
127.5°	86.9	85.2	90.1	90.1	101.6	104.9	116.4	116.4	122.9	116.4	108.2
130°	78.7	80.3	81.9	83.6	93.4	96.7	111.4	113.1	113.1	104.9	103.2
132.5°	80.3	77.0	78.7	83.6	86.9	95.1	108.2	111.4	109.8	103.2	95.1
135°	72.1	72.1	73.7	75.4	80.3	85.2	98.3	98.3	98.3	93.4	85.2
137.5°	55.7	54.1	60.6	60.6	67.2	70.5	78.7	77.0	75.4	75.4	65.6
140°	60.6	60.6	65.6	65.6	67.2	68.8	72.1	70.5	70.5	72.1	65.6
142.5°	50.8	50.8	50.8	52.4	52.4	57.4	57.4	55.7	55.7	59.0	52.4
145°	50.8	50.8	50.8	49.2	50.8	54.1	54.1	54.1	55.7	60.6	50.8
147.5°	44.2	42.6	42.6	42.6	41.0	45.9	44.2	44.2	49.2	49.2	44.2
150°	37.7	37.7	37.7	36.1	34.4	36.1	41.0	39.3	41.0	39.3	39.3
152.5°	34.4	32.8	32.8	29.5	31.1	31.1	34.4	32.8	36.1	36.1	34.4
155°	27.9	26.2	24.6	22.9	21.3	21.3	24.6	26.2	26.2	27.9	27.9
157.5°	22.9	24.6	21.3	21.3	21.3	18.0	21.3	21.3	22.9	22.9	24.6
160°	14.7	18.0	16.4	16.4	16.4	16.4	16.4	18.0	16.4	19.7	21.3
162.5°	16.4	16.4	14.7	13.1	14.7	16.4	14.7	18.0	14.7	19.7	18.0
165°	13.1	13.1	14.7	13.1	13.1	14.7	13.1	14.7	14.7	16.4	18.0
167.5°	16.4	14.7	14.7	14.7	16.4	14.7	16.4	16.4	18.0	18.0	19.7
170°	11.5	11.5	9.8	9.8	13.1	13.1	11.5	13.1	13.1	13.1	13.1
172.5°	13.1	11.5	13.1	11.5	13.1	13.1	9.8	13.1	11.5	13.1	13.1
175°	11.5	9.8	9.8	9.8	9.8	11.5	8.2	8.2	9.8	9.8	11.5
177.5°	13.1	9.8	9.8	13.1	11.5	9.8	11.5	9.8	9.8	9.8	9.8
180°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
2.5°	80.3	81.9	81.9	78.7	78.7	75.4	72.1	70.5	72.1	72.1	68.8
5°	101.6	98.3	96.7	95.1	93.4	91.8	88.5	86.9	83.6	85.2	83.6
7.5°	127.8	127.8	122.9	119.6	116.4	114.7	113.1	111.4	111.4	111.4	109.8
10°	155.7	154.0	150.8	147.5	142.6	142.6	139.3	137.7	137.7	137.7	136.0
12.5°	181.9	180.3	175.4	172.1	170.4	167.2	167.2	167.2	165.5	165.5	163.9
15°	201.6	199.9	196.7	191.7	191.7	191.7	188.5	186.8	186.8	188.5	186.8
17.5°	224.5	222.9	218.0	213.0	213.0	218.0	214.7	209.8	209.8	213.0	214.7
20°	240.9	236.0	231.1	236.0	234.3	234.3	232.7	231.1	229.4	234.3	232.7
22.5°	272.0	262.2	255.7	260.6	255.7	260.6	262.2	258.9	255.7	257.3	258.9
25°	295.0	290.1	285.2	281.9	283.5	281.9	280.2	280.2	281.9	281.9	278.6
27.5°	360.5	340.9	327.8	327.8	324.5	327.8	322.8	322.8	324.5	326.1	327.8
30°	440.8	413.0	381.8	380.2	376.9	375.3	378.6	375.3	373.6	381.8	378.6
32.5°	491.6	452.3	414.6	416.3	417.9	421.2	421.2	419.5	411.3	416.3	416.3
35°	480.2	453.9	434.3	431.0	439.2	444.1	444.1	435.9	426.1	421.2	419.5
37.5°	503.1	486.7	476.9	476.9	472.0	473.6	475.3	468.7	460.5	457.2	457.2
40°	578.5	547.4	522.8	506.4	503.1	512.9	526.1	522.8	509.7	508.0	512.9
42.5°	650.6	604.7	565.4	544.1	549.0	570.3	585.1	573.6	560.5	555.6	553.9
45°	734.2	662.1	604.7	596.5	609.6	632.6	635.9	617.8	609.6	614.6	617.8
47.5°	821.0	739.1	678.5	658.8	671.9	698.1	709.6	693.2	680.1	660.4	670.3
50°	883.3	775.2	686.7	696.5	727.6	747.3	739.1	712.9	683.4	688.3	689.9
52.5°	955.4	839.1	788.3	807.9	826.0	840.7	832.5	809.6	806.3	778.4	771.9
55°	1265.2	1065.2	1040.6	1073.4	1070.1	1080.0	1124.2	1109.5	1084.9	1109.5	1122.6
57.5°	1982.9	1489.7	1409.4	1453.6	1514.3	1568.3	1627.3	1556.9	1478.2	1479.8	1496.2
60°	2904.0	1976.4	1710.9	1892.8	1992.8	2064.9	2074.7	1942.0	1817.4	1784.7	1786.3
62.5°	3777.4	2410.7	1958.4	2217.3	2314.0	2382.8	2369.7	2276.3	2097.7	1979.7	1961.6
65°	4410.0	2761.4	2048.5	2327.1	2351.7	2387.7	2474.6	2387.7	2087.8	1912.5	1904.3
67.5°	4621.4	2881.0	1897.7	2056.7	2089.5	2261.5	2314.0	2212.4	1963.3	1783.0	1786.3
70°	4331.3	2645.0	1591.3	1722.4	1858.4	2025.6	1981.3	1887.9	1753.5	1627.3	1643.7
72.5°	3744.7	2192.7	1319.2	1520.8	1651.9	1733.9	1666.7	1610.9	1574.9	1492.9	1519.2
75°	2923.6	1694.5	1094.7	1265.2	1320.9	1393.0	1327.4	1316.0	1330.7	1294.7	1312.7
77.5°	1901.0	1127.5	824.3	911.2	947.2	981.6	940.7	957.1	975.1	973.4	983.3
80°	1004.6	652.2	563.7	603.1	619.5	619.5	611.3	634.2	652.2	655.5	667.0
82.5°	553.9	416.3	395.0	421.2	417.9	409.7	413.0	421.2	421.2	408.1	409.7
85°	417.9	324.5	322.8	340.9	340.9	340.9	332.7	326.1	313.0	290.1	290.1
87.5°	399.9	311.4	303.2	319.6	319.6	317.9	314.6	303.2	286.8	260.6	260.6
90°	354.0	273.7	278.6	304.8	304.8	298.3	298.3	286.8	270.4	245.8	255.7
92.5°	288.4	224.5	247.5	270.4	270.4	267.1	265.5	260.6	242.5	222.9	214.7
95°	262.2	204.8	218.0	240.9	242.5	242.5	240.9	232.7	221.2	199.9	198.3
97.5°	213.0	172.1	185.2	198.3	201.6	208.1	204.8	199.9	185.2	172.1	165.5
100°	185.2	154.0	162.2	178.6	181.9	185.2	183.5	180.3	167.2	150.8	157.3
102.5°	152.4	129.5	140.9	154.0	163.9	159.0	159.0	154.0	142.6	129.5	129.5
105°	136.0	119.6	127.8	140.9	140.9	144.2	142.6	137.7	131.1	118.0	119.6
107.5°	131.1	108.2	118.0	126.2	131.1	131.1	131.1	124.5	119.6	109.8	108.2
110°	119.6	103.2	109.8	119.6	119.6	118.0	116.4	114.7	109.8	100.0	100.0



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CATALOG NUMBER: ACN/CLB/ARC-080-LED-E-U-33-3-6-X-BK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	116.4	100.0	106.5	113.1	111.4	109.8	106.5	103.2	100.0	90.1	90.1
115°	109.8	93.4	98.3	104.9	106.5	103.2	96.7	100.0	91.8	86.9	80.3
117.5°	108.2	91.8	93.4	101.6	100.0	103.2	98.3	93.4	88.5	81.9	83.6
120°	106.5	86.9	85.2	86.9	88.5	86.9	86.9	85.2	73.7	72.1	68.8
122.5°	111.4	93.4	88.5	90.1	91.8	88.5	86.9	81.9	77.0	72.1	72.1
125°	101.6	86.9	80.3	83.6	81.9	81.9	77.0	77.0	72.1	68.8	68.8
127.5°	96.7	85.2	78.7	78.7	77.0	77.0	73.7	75.4	70.5	65.6	67.2
130°	88.5	75.4	70.5	70.5	72.1	70.5	65.6	63.9	63.9	60.6	63.9
132.5°	81.9	70.5	68.8	68.8	65.6	65.6	63.9	62.3	60.6	57.4	54.1
135°	73.7	65.6	60.6	62.3	60.6	60.6	59.0	59.0	57.4	55.7	55.7
137.5°	57.4	50.8	47.5	45.9	49.2	45.9	44.2	42.6	45.9	45.9	45.9
140°	60.6	57.4	52.4	50.8	47.5	47.5	47.5	49.2	50.8	50.8	49.2
142.5°	45.9	49.2	41.0	39.3	37.7	37.7	37.7	36.1	41.0	41.0	41.0
145°	47.5	45.9	42.6	41.0	39.3	37.7	37.7	37.7	41.0	44.2	44.2
147.5°	41.0	41.0	39.3	36.1	34.4	32.8	31.1	34.4	36.1	37.7	37.7
150°	39.3	39.3	34.4	32.8	31.1	32.8	29.5	31.1	34.4	34.4	34.4
152.5°	34.4	32.8	32.8	29.5	27.9	29.5	29.5	31.1	31.1	32.8	36.1
155°	26.2	26.2	27.9	26.2	26.2	24.6	26.2	27.9	27.9	27.9	27.9
157.5°	22.9	26.2	27.9	26.2	27.9	27.9	26.2	27.9	27.9	27.9	31.1
160°	21.3	21.3	26.2	27.9	26.2	27.9	26.2	24.6	29.5	26.2	26.2
162.5°	19.7	21.3	22.9	24.6	26.2	27.9	26.2	26.2	26.2	26.2	27.9
165°	18.0	21.3	22.9	24.6	24.6	24.6	24.6	24.6	22.9	24.6	22.9
167.5°	18.0	19.7	21.3	22.9	24.6	24.6	24.6	24.6	24.6	24.6	26.2
170°	13.1	14.7	16.4	18.0	18.0	16.4	13.1	16.4	16.4	16.4	14.7
172.5°	13.1	13.1	14.7	13.1	16.4	13.1	13.1	11.5	14.7	13.1	14.7
175°	9.8	11.5	11.5	11.5	11.5	9.8	9.8	9.8	9.8	11.5	8.2
177.5°	9.8	11.5	11.5	9.8	11.5	13.1	9.8	11.5	11.5	9.8	9.8
180°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1

(END OF REPORT)