

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: LUMARK

Report Number: P1192940

Luminaire Tested: BOLY42-25S-BZ-15W-3000K

Issue Date: 10/8/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ()
Test Lab: INNOVATION CENTER
Issue Date: 10/9/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: BOLY42-25S-BZ-15W-3000K
Description: Y-Shaped bollard, 42" length, 15W, BZ at 3000K

Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

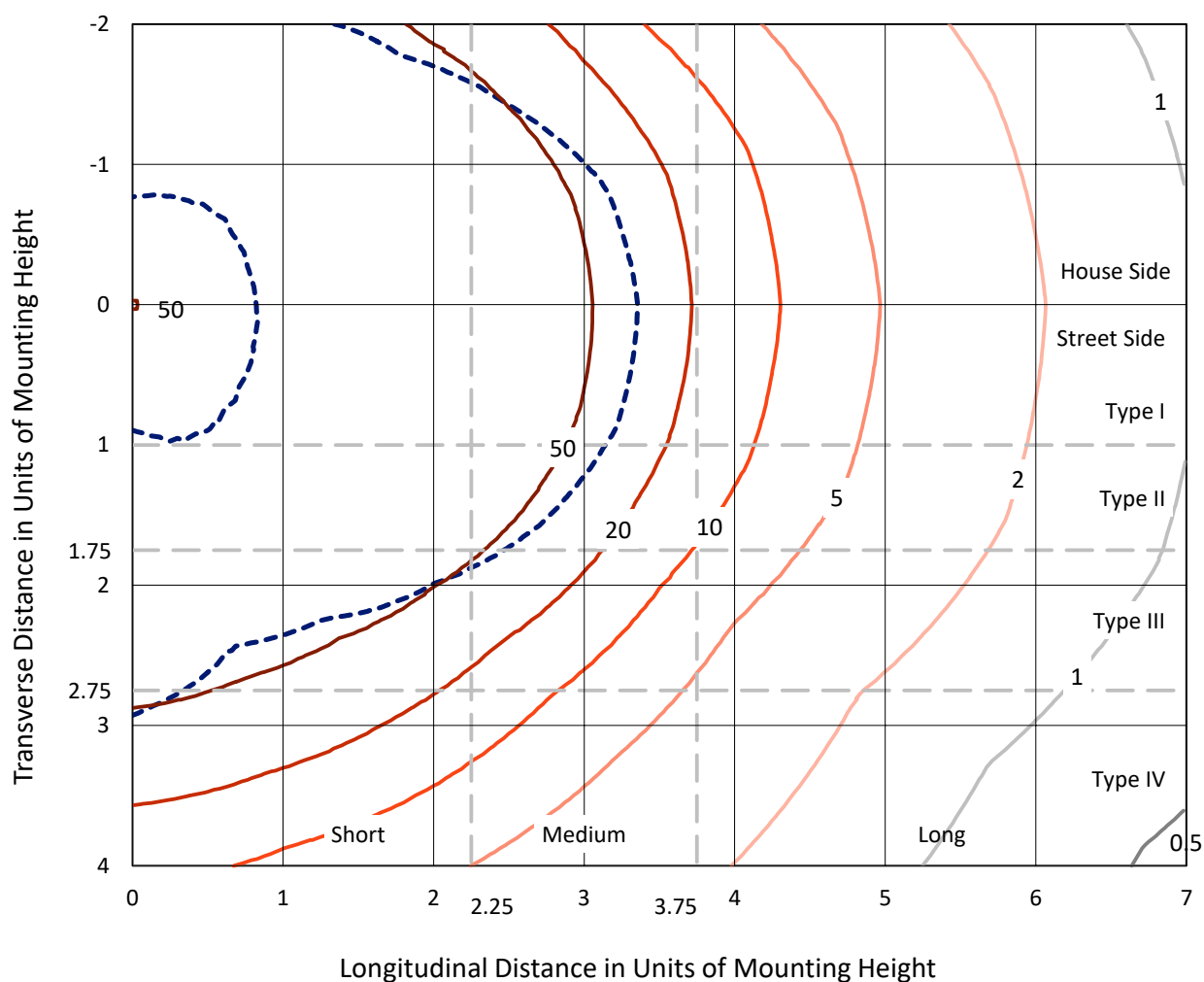
Lumens per Lamp: 1889.2 (1 lamp)
Luminaire Lumens: 1889.2 lumens
Efficiency: 100.0%
Efficacy: 127.6 lumens/watt
Luminous Opening: Circular (Dia: 0.25' x H: 0')
IES Classification: Type III - Short - Cutoff
BUG Rating: B1 - U2 - G1

Input Watts (W): 14.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: >0.9
Total Harmonic Distortion (THDi): <20
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

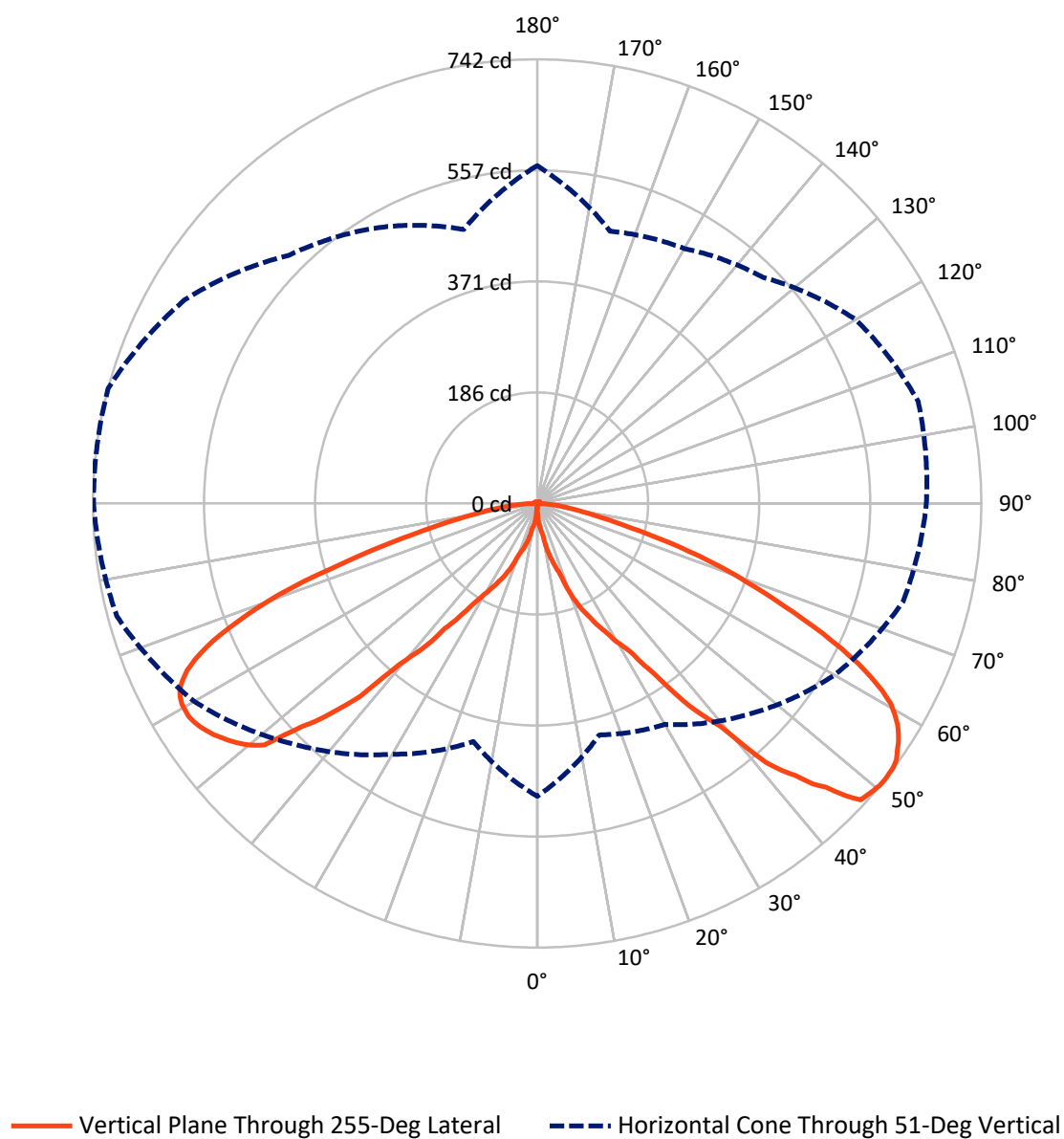
× Max cd
 --- 1/2 Max cd



Based on 0.5 foot mounting height. Maximum calculated value = 743.6 fc
 Type III - Short - Cutoff

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Luminous Intensity Polar Plot



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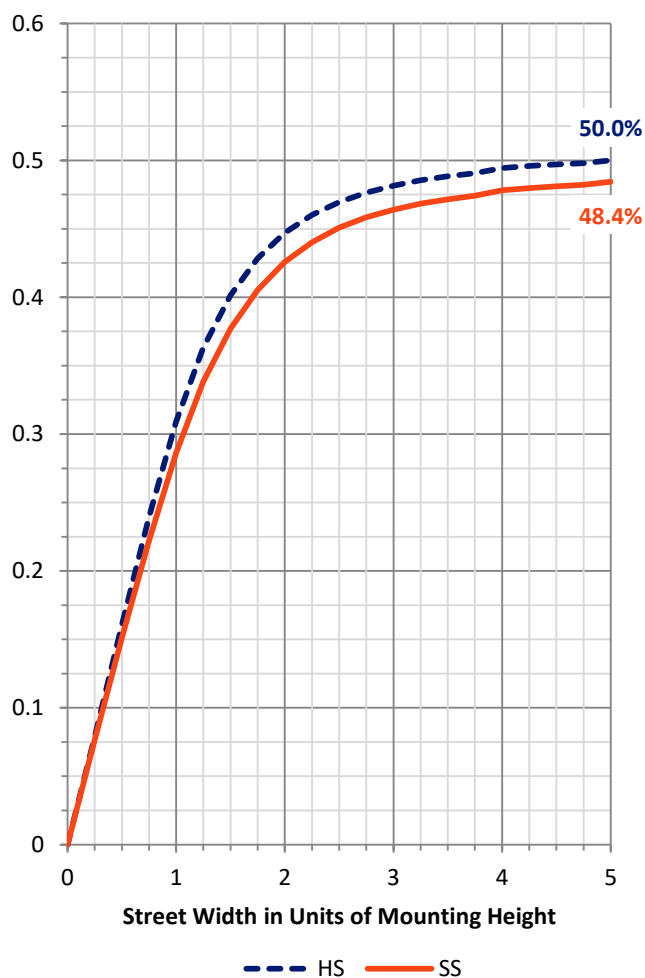
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	950.6	8.4	959.0
	% Lamp	50.3	0.4	50.8
Street Side	Lumens	922.1	8.1	930.2
	% Lamp	48.8	0.4	49.2
Total	Lumens	1872.7	16.5	1889.2
	% Lamp	99.1	0.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	3.0	0.2	0.2
10°-20°	23.5	1.2	1.2
20°-30°	76.3	4.0	4.0
30°-40°	175.3	9.3	9.3
40°-50°	374.9	19.8	19.8
50°-60°	513.2	27.2	27.2
60°-70°	462.1	24.5	24.5
70°-80°	205.1	10.9	10.9
80°-90°	39.3	2.1	2.1
90°-100°	3.7	0.2	0.2
100°-110°	3.4	0.2	0.2
110°-120°	3.5	0.2	0.2
120°-130°	3.4	0.2	0.2
130°-140°	1.8	0.1	0.1
140°-150°	0.5	0.0	0.0
150°-160°	0.2	0.0	0.0
160°-170°	0.1	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	1872.7	99.1	99.1
0°-180°	1889.2	100.0	100.0

Coefficient of Utilization



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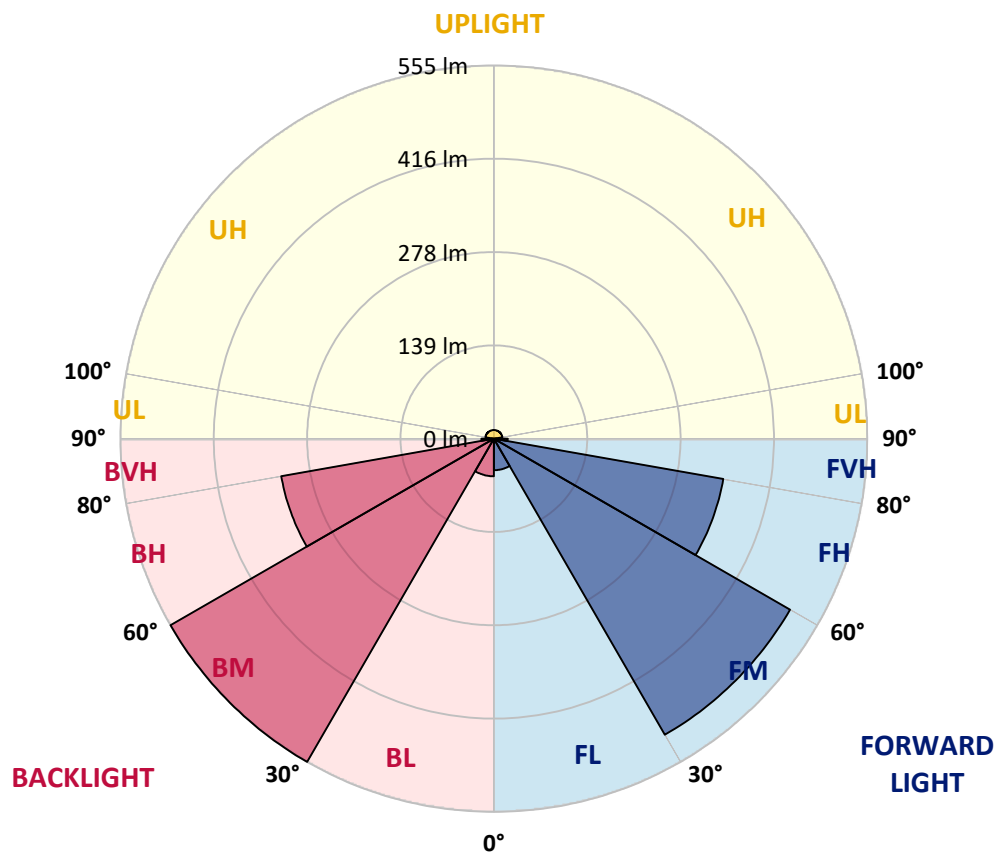
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	46.9	2.5			
FM	(30°-60°)	508.4	26.9			
FH	(60°-80°)	346.2	18.3			G0/660
FVH	(80°-90°)	20.6	1.1			G1/100
BL	(0°-30°)	55.9	3.0	B0/110		
BM	(30°-60°)	555.0	29.4	B1/1000		
BH	(60°-80°)	321.0	17.0	B1/500		G1/500
BVH	(80°-90°)	18.7	1.0			G1/100
UL	(90°-100°)	3.7	0.2		U1/10	
UH	(100°-180°)	12.8	0.7		U2/50	
Trapped Light		0.0	0.0			

BUG Rating: B1-U2-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
1°	4.9	4.8	4.5	4.0	3.6	3.6	3.4	3.5	3.8	4.1	4.4
2°	5.4	5.1	5.0	4.8	4.4	4.2	3.9	4.1	7.4	7.6	5.4
3°	12.4	10.5	5.9	5.4	5.3	5.4	5.9	7.8	11.1	11.1	6.3
4°	19.5	16.3	13.0	14.0	11.9	11.7	8.2	11.6	14.7	14.6	17.0
5°	26.6	22.2	20.2	19.1	18.5	18.0	20.4	21.7	21.0	19.6	23.0
6°	29.6	28.1	27.4	24.1	25.1	24.3	27.2	27.5	25.8	25.9	26.7
7°	32.0	30.6	30.0	29.0	27.7	30.6	31.5	31.2	30.0	28.2	30.5
8°	34.7	33.7	33.1	31.6	30.1	33.2	35.2	34.6	33.7	31.9	33.8
9°	37.5	35.5	34.7	33.8	31.9	35.1	38.6	36.7	36.1	34.2	36.5
10°	39.6	37.6	37.2	35.7	35.1	37.9	42.0	39.9	38.3	35.6	39.9
11°	43.4	40.6	39.4	37.7	37.6	40.7	44.5	42.3	41.3	39.3	43.8
12°	51.5	46.2	44.9	42.3	41.9	44.5	47.0	46.1	46.1	42.8	52.0
13°	57.8	51.9	51.5	52.8	52.0	53.5	54.4	55.2	56.8	55.1	61.4
14°	63.5	56.7	55.8	57.7	59.1	60.2	61.0	63.7	63.5	60.3	67.7
15°	67.9	63.2	60.0	61.3	64.0	67.0	68.0	70.1	71.1	67.2	74.4
16°	74.5	67.4	64.0	65.9	68.0	71.2	74.9	77.4	76.6	72.2	81.2
17°	78.7	72.5	67.1	69.6	73.2	77.7	78.2	82.6	81.7	79.0	86.7
18°	83.1	76.9	72.4	74.1	77.4	81.1	84.6	87.9	87.5	85.7	92.2
19°	88.7	81.2	76.4	77.6	81.8	85.9	91.2	93.2	93.3	92.5	97.9
20°	95.2	85.7	80.4	83.3	88.3	90.0	97.9	98.6	99.3	99.2	107.9
21°	102.4	92.2	90.4	92.1	97.9	98.7	104.5	111.4	112.8	116.4	122.7
22°	111.1	98.8	96.0	99.6	106.6	109.7	114.3	122.3	125.3	126.2	133.7
23°	118.5	105.4	102.4	106.2	112.8	119.1	123.0	129.2	135.6	135.2	143.7
24°	124.5	111.9	109.1	113.1	119.2	126.0	130.6	141.0	143.9	144.7	152.4
25°	130.3	116.4	115.4	119.5	126.0	134.3	138.8	149.1	152.7	153.9	159.2
26°	137.2	121.4	120.1	125.9	133.0	140.9	147.1	156.2	161.1	162.3	167.6
27°	145.0	128.4	125.8	132.9	140.7	147.6	154.8	164.2	168.6	170.1	175.6
28°	151.6	137.0	135.7	141.6	146.6	156.1	162.8	171.4	177.5	179.2	183.7
29°	159.0	141.9	143.0	149.8	153.3	163.2	170.6	178.6	187.7	188.4	190.6
30°	166.3	148.5	148.3	156.4	161.7	170.5	179.3	187.4	195.7	198.9	199.0
31°	172.5	154.4	153.8	163.4	169.7	178.7	188.0	195.5	204.9	208.1	205.5
32°	181.7	163.1	160.0	170.8	176.1	189.0	199.2	207.2	212.5	216.7	217.2
33°	191.7	172.0	169.4	181.4	182.7	199.6	215.0	218.3	220.4	230.4	228.4
34°	202.4	179.6	175.9	190.9	193.3	214.9	227.8	231.6	229.5	240.3	241.4
35°	218.9	188.9	188.7	202.8	201.8	230.3	239.5	247.3	240.2	252.2	249.1
36°	235.5	207.5	195.4	208.8	224.3	245.8	259.6	264.1	253.7	260.5	265.3
37°	252.1	218.1	211.5	227.3	246.9	260.2	285.4	291.7	275.8	283.0	291.3
38°	260.4	228.5	227.9	246.3	269.5	290.5	317.3	324.1	314.4	309.0	314.4
39°	281.5	240.6	244.3	254.6	286.6	313.4	337.4	345.0	331.5	317.3	323.7
40°	302.2	255.5	261.8	263.3	297.6	330.3	373.5	371.9	349.2	326.0	346.3
41°	326.3	271.4	272.8	282.1	322.1	354.1	386.5	391.6	379.3	345.1	353.9
42°	357.7	287.1	287.2	306.7	351.0	387.1	421.8	420.0	411.6	370.3	372.6
43°	377.3	311.1	318.3	341.3	386.4	437.1	468.0	469.6	450.5	404.2	403.9
44°	398.2	329.9	327.9	363.3	412.1	463.8	491.7	493.5	473.0	425.7	413.6

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	418.1	346.7	335.9	375.0	435.3	492.6	521.0	526.2	494.1	437.5	421.1
46°	436.9	356.2	343.5	393.7	462.5	520.1	543.7	550.9	520.6	459.3	427.9
47°	457.5	364.3	359.4	413.5	485.5	541.2	566.1	571.2	536.6	478.1	443.4
48°	467.3	376.8	383.5	437.1	514.7	572.4	593.5	601.6	567.7	508.7	471.3
49°	474.6	389.5	407.1	470.7	548.5	609.1	626.6	637.7	596.5	529.5	487.9
50°	481.8	395.8	417.2	484.9	561.2	622.4	641.8	651.2	606.2	532.5	491.0
51°	489.6	400.6	426.6	498.6	573.7	633.2	650.6	659.3	614.9	534.3	492.1
52°	497.0	406.7	435.7	508.9	584.8	642.1	658.7	667.8	621.2	535.9	493.1
53°	502.7	412.6	442.2	513.8	595.2	650.1	665.9	675.8	624.5	539.5	493.7
54°	508.1	417.5	449.2	518.4	604.6	657.6	673.2	681.1	627.8	545.8	494.5
55°	513.4	421.4	456.0	523.6	612.2	665.0	678.4	686.0	631.1	550.4	495.7
56°	516.7	424.8	463.1	529.1	618.7	670.5	682.5	689.7	633.1	553.4	496.7
57°	518.0	425.8	467.9	534.3	626.4	675.9	685.9	691.9	633.3	553.7	495.5
58°	519.9	424.8	471.4	539.3	633.7	679.9	688.0	691.6	630.5	549.6	492.6
59°	521.1	422.5	473.2	544.6	638.9	682.5	687.4	690.4	627.7	542.5	485.1
60°	517.5	419.5	471.6	547.9	640.9	682.6	686.2	687.6	622.7	534.2	468.8
61°	512.0	415.1	469.5	549.3	643.5	682.0	683.0	682.0	614.0	523.3	450.8
62°	505.7	411.4	466.6	547.7	643.2	678.9	678.4	672.6	603.0	508.2	446.8
63°	498.5	406.9	460.4	543.0	638.4	673.2	668.1	660.2	590.6	491.1	431.9
64°	490.2	402.0	451.1	531.7	631.7	662.5	655.6	646.2	575.4	471.8	412.7
65°	479.2	393.9	437.1	515.6	620.6	647.9	637.2	627.8	554.4	449.8	390.1
66°	467.7	383.0	418.4	494.9	602.9	628.5	616.2	606.1	525.1	423.1	368.2
67°	452.4	367.9	393.6	472.6	579.8	603.6	589.5	579.5	492.1	391.2	345.8
68°	430.6	351.1	367.9	444.5	546.1	573.0	560.1	547.6	453.4	356.1	324.1
69°	402.6	335.8	340.4	407.0	502.2	536.8	528.9	511.1	413.7	321.6	303.1
70°	373.7	320.3	311.2	364.9	453.0	499.6	492.6	470.1	373.5	291.4	282.6
71°	348.3	302.0	287.5	323.7	404.4	459.6	452.6	428.1	336.7	265.9	260.4
72°	326.7	282.1	264.4	288.1	357.8	413.0	408.6	385.1	301.6	239.3	234.6
73°	300.6	256.9	242.3	253.6	313.7	359.3	363.2	341.1	268.3	212.8	208.8
74°	264.6	227.7	219.0	217.3	271.2	313.2	319.8	303.1	230.2	186.5	183.0
75°	233.3	198.6	195.0	186.4	225.9	272.0	281.3	263.8	192.2	165.4	162.3
76°	206.3	174.2	167.4	161.1	183.4	232.7	246.9	229.7	161.8	144.2	138.3
77°	178.4	152.4	143.8	137.1	149.0	197.8	212.5	195.6	136.6	126.4	118.4
78°	150.9	133.2	122.7	119.5	121.1	168.4	178.2	161.6	114.1	111.8	99.6
79°	125.8	114.7	104.0	105.7	99.5	143.8	152.6	134.6	96.3	95.8	86.2
80°	106.8	95.2	90.7	93.3	88.0	122.4	129.0	114.3	83.4	81.1	74.5
81°	91.9	81.1	77.5	81.0	76.7	103.7	108.8	97.8	73.6	70.3	65.2
82°	77.1	67.1	64.3	68.8	65.5	89.7	92.7	83.6	65.2	61.6	55.8
83°	62.3	55.3	54.8	59.5	56.0	75.8	79.0	70.3	56.7	52.9	46.1
84°	46.6	46.4	45.6	50.2	47.8	61.9	66.1	59.3	47.4	44.8	37.4
85°	34.7	38.5	38.2	41.7	40.2	51.7	54.2	49.6	40.0	37.5	30.8
86°	24.8	30.9	31.0	34.2	31.9	42.3	43.6	40.9	32.9	31.0	25.2
87°	16.2	22.7	23.7	27.5	25.3	33.6	34.9	32.8	26.0	24.5	19.6
88°	11.3	12.5	17.8	19.4	18.1	25.5	26.1	24.4	19.2	18.1	14.0
89°	6.5	9.5	10.9	12.6	11.4	16.2	17.3	15.9	12.3	11.6	8.2

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	1.7	6.7	7.5	9.6	7.7	8.0	8.5	7.6	6.4	6.0	4.8
91°	1.5	3.9	4.1	6.8	4.0	5.5	3.5	3.9	4.3	4.3	4.1
92°	1.5	3.7	3.9	3.9	3.5	3.0	2.8	3.2	3.7	4.0	3.9
93°	1.5	3.6	3.8	3.7	3.4	3.0	2.8	3.2	3.6	3.9	3.8
94°	1.6	3.3	3.7	3.6	3.3	3.0	2.9	3.2	3.5	3.8	3.7
95°	1.6	3.3	3.4	3.6	3.3	3.0	2.9	3.2	3.5	3.7	3.5
96°	1.6	3.3	3.4	3.4	3.3	3.0	3.0	3.2	3.5	3.6	3.5
97°	1.6	3.3	3.4	3.3	3.2	3.0	3.0	3.2	3.4	3.5	3.5
98°	1.7	3.2	3.4	3.3	3.1	3.0	3.1	3.2	3.4	3.5	3.5
99°	1.7	3.2	3.3	3.3	3.1	3.0	3.1	3.2	3.4	3.6	3.5
100°	1.7	3.2	3.3	3.3	3.1	3.0	3.1	3.2	3.4	3.6	3.5
101°	1.8	3.2	3.3	3.3	3.2	3.0	3.1	3.3	3.4	3.6	3.5
102°	1.8	3.2	3.3	3.3	3.2	3.0	3.2	3.3	3.4	3.6	3.5
103°	1.8	3.1	3.3	3.3	3.2	3.0	3.2	3.3	3.5	3.6	3.5
104°	1.8	3.1	3.3	3.3	3.2	3.1	3.2	3.4	3.5	3.6	3.5
105°	1.9	3.1	3.3	3.3	3.2	3.1	3.3	3.4	3.5	3.5	3.4
106°	1.9	3.1	3.3	3.3	3.3	3.2	3.4	3.4	3.5	3.5	3.4
107°	2.0	2.9	3.3	3.3	3.3	3.2	3.4	3.5	3.5	3.5	3.4
108°	2.0	2.9	3.2	3.3	3.3	3.3	3.5	3.5	3.5	3.5	3.3
109°	2.1	2.8	3.1	3.3	3.4	3.3	3.6	3.6	3.6	3.5	3.3
110°	2.1	2.8	3.1	3.3	3.4	3.4	3.6	3.6	3.6	3.5	3.3
111°	2.2	2.8	3.0	3.3	3.5	3.5	3.7	3.7	3.6	3.5	3.2
112°	2.2	2.7	3.1	3.3	3.5	3.5	3.8	3.8	3.7	3.5	3.2
113°	2.3	2.7	3.1	3.3	3.6	3.6	3.8	3.8	3.7	3.6	3.2
114°	2.3	2.7	3.1	3.4	3.6	3.7	3.9	3.9	3.8	3.6	3.2
115°	2.4	2.7	3.1	3.4	3.6	3.8	4.0	3.9	3.8	3.6	3.2
116°	2.5	2.7	3.2	3.5	3.7	3.9	4.1	4.0	3.9	3.7	3.3
117°	2.5	2.8	3.2	3.5	3.7	3.9	4.2	4.1	4.0	3.7	3.3
118°	2.6	2.8	3.3	3.6	3.8	4.0	4.2	4.2	4.0	3.8	3.3
119°	2.7	2.8	3.3	3.7	3.9	4.1	4.3	4.3	4.1	3.8	3.4
120°	2.7	2.9	3.4	3.8	4.0	4.2	4.4	4.3	4.2	3.9	3.4
121°	2.8	2.9	3.5	3.8	4.1	4.2	4.5	4.4	4.3	4.0	3.5
122°	2.8	2.9	3.5	3.9	4.2	4.3	4.5	4.5	4.4	4.1	3.6
123°	2.8	2.9	3.5	4.0	4.2	4.4	4.6	4.6	4.4	4.1	3.6
124°	2.8	2.9	3.5	4.0	4.2	4.4	4.6	4.6	4.4	4.1	3.5
125°	2.8	2.9	3.5	3.9	4.2	4.4	4.6	4.6	4.4	4.1	3.5
126°	2.7	2.8	3.4	3.9	4.2	4.4	4.6	4.6	4.4	4.0	3.5
127°	2.7	2.8	3.4	3.9	4.1	4.4	4.5	4.5	4.3	4.0	3.4
128°	2.6	2.7	3.3	3.8	4.1	4.3	4.4	4.4	4.2	3.9	3.3
129°	2.5	2.6	3.2	3.7	3.9	4.2	4.3	4.3	4.1	3.8	3.2
130°	2.4	2.5	3.1	3.6	3.8	4.0	4.2	4.1	4.0	3.7	3.1
131°	2.3	2.4	3.0	3.4	3.7	3.9	4.0	4.0	3.8	3.5	3.0
132°	2.1	2.3	2.8	3.3	3.5	3.7	3.8	3.8	3.6	3.4	2.8
133°	2.0	2.2	2.7	3.1	3.3	3.5	3.6	3.6	3.4	3.2	2.7
134°	1.8	2.0	2.5	2.9	3.1	3.2	3.3	3.3	3.2	2.9	2.5

REPORT NUMBER: P1192940
CATALOG NUMBER: BOLY42-25S-BZ-15W-3000K

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	1.7	1.9	2.3	2.6	2.9	3.0	3.1	3.1	3.0	2.7	2.3
136°	1.5	1.7	2.1	2.4	2.6	2.7	2.8	2.8	2.7	2.5	2.1
137°	1.3	1.5	1.9	2.1	2.3	2.4	2.6	2.5	2.4	2.2	1.9
138°	1.1	1.4	1.7	1.9	2.1	2.2	2.3	2.2	2.1	1.9	1.6
139°	1.0	1.2	1.4	1.6	1.8	1.9	2.0	2.0	1.9	1.7	1.4
140°	0.9	1.1	1.2	1.4	1.5	1.6	1.7	1.7	1.6	1.4	1.2
141°	0.8	0.9	1.1	1.2	1.3	1.3	1.5	1.4	1.3	1.2	1.0
142°	0.7	0.8	0.9	1.0	1.1	1.1	1.2	1.2	1.1	1.0	0.9
143°	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.0	0.9	0.8
144°	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.8	0.8
145°	0.6	0.6	0.7	0.7	0.7	0.8	0.9	0.9	0.8	0.8	0.7
146°	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7
147°	0.5	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.7	0.7	0.6
148°	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6
149°	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.6	0.6
150°	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6
151°	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5
152°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5
153°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
154°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4
155°	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4
156°	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
157°	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
158°	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
159°	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3
160°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
161°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
162°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
163°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
164°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
171°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
173°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
174°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
175°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
176°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
178°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
179°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3



REPORT NUMBER: P1192940
CATALOG NUMBER: BOLY42-25S-BZ-15W-3000K

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

REPORT NUMBER: P1192940
CATALOG NUMBER: BOLY42-25S-BZ-15W-3000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
1°	7.4	5.1	7.7	11.3	12.5	13.0	13.0	5.5	5.5	5.4	5.3
2°	10.1	5.5	10.7	14.7	16.8	17.7	17.7	14.7	14.4	13.6	12.7
3°	12.8	16.4	18.9	21.6	24.5	25.3	26.4	23.9	23.3	22.2	20.4
4°	20.9	22.7	24.4	25.4	28.4	30.5	32.3	33.1	32.3	30.7	28.0
5°	26.4	28.5	29.1	29.3	30.6	34.1	36.0	37.4	37.1	33.9	30.3
6°	30.5	32.0	31.3	32.7	33.9	36.5	39.7	41.2	39.3	36.4	34.4
7°	34.1	36.2	35.1	34.5	36.2	40.0	42.2	44.6	42.0	38.8	37.3
8°	37.2	38.6	38.5	38.1	40.2	42.9	46.4	47.6	44.7	40.8	39.7
9°	40.5	41.6	41.4	41.5	43.8	46.3	49.6	50.9	47.8	43.8	44.1
10°	43.6	45.2	45.3	44.4	48.2	51.8	54.9	58.3	54.2	48.4	46.5
11°	48.3	50.2	55.4	57.2	63.7	67.7	71.2	70.1	67.7	62.6	57.9
12°	56.0	58.4	64.5	66.2	73.0	77.5	80.6	79.4	76.7	71.8	66.6
13°	62.6	67.3	70.9	75.1	81.5	85.5	88.4	87.5	84.4	77.8	73.2
14°	71.8	76.3	77.6	82.7	88.7	93.5	96.2	94.3	90.6	85.3	79.2
15°	81.1	83.5	84.2	90.3	95.9	101.6	104.8	103.1	98.8	90.7	84.2
16°	88.5	90.7	90.9	97.9	103.1	109.6	112.3	109.8	105.2	97.5	90.4
17°	95.9	97.8	97.5	106.6	111.4	117.1	119.7	117.5	111.4	103.5	95.4
18°	103.6	104.7	106.7	114.5	120.2	126.7	130.0	129.9	120.6	110.3	101.1
19°	109.9	112.3	118.4	131.5	142.4	148.4	150.1	147.8	136.6	128.5	116.9
20°	123.3	123.4	132.7	142.7	153.5	164.8	163.4	160.4	150.4	139.5	126.5
21°	133.9	132.4	142.0	151.5	163.8	175.8	175.4	170.9	162.3	150.9	134.7
22°	142.1	146.9	152.0	163.5	173.9	186.1	188.0	181.1	172.5	160.2	141.8
23°	152.9	154.2	159.1	173.9	188.7	196.0	196.9	191.7	182.3	169.1	152.0
24°	160.8	164.3	166.7	184.4	198.5	207.3	206.3	201.7	191.4	177.1	161.8
25°	167.7	171.7	176.4	192.9	207.4	217.5	217.4	212.1	200.3	185.2	170.2
26°	175.8	181.8	182.8	201.0	218.1	227.5	227.7	222.4	208.7	194.0	177.3
27°	188.9	193.5	190.1	208.5	228.3	238.2	237.6	232.8	220.3	202.0	184.6
28°	198.4	201.7	200.6	219.8	236.8	248.1	247.4	244.0	232.0	210.2	193.1
29°	207.0	209.1	208.6	229.9	248.2	256.6	261.5	255.7	242.1	220.3	204.0
30°	215.2	219.6	216.5	236.4	260.4	265.0	273.0	268.2	251.6	230.4	213.4
31°	226.5	232.9	224.7	243.0	270.7	274.3	283.4	284.4	266.9	238.8	222.7
32°	240.7	243.1	235.7	257.2	279.3	285.4	298.1	298.4	284.7	247.2	232.1
33°	248.3	251.7	248.9	271.0	292.2	296.3	324.7	316.0	295.4	264.2	239.3
34°	257.9	275.2	265.1	288.5	299.2	316.8	344.5	350.7	322.4	279.8	255.0
35°	282.2	295.4	281.5	298.8	317.9	341.3	376.6	392.0	350.1	310.0	271.7
36°	298.6	315.6	298.8	329.4	346.0	391.7	410.5	418.4	382.1	342.0	297.6
37°	307.7	332.6	323.4	350.0	356.4	406.3	437.1	446.2	408.3	364.7	308.0
38°	329.6	360.6	337.3	356.5	368.3	421.4	460.3	475.0	423.3	382.3	318.7
39°	349.1	370.6	353.9	362.9	390.8	450.1	484.0	500.9	456.4	408.7	341.8
40°	373.0	405.6	375.9	371.7	411.7	483.3	532.3	545.9	490.3	435.6	362.3
41°	380.1	431.3	390.1	407.0	449.4	519.6	578.3	586.1	543.5	477.7	402.3
42°	403.9	457.2	416.3	430.5	474.1	546.7	605.8	613.3	567.8	498.7	424.0
43°	414.6	474.3	436.0	440.6	483.5	571.3	627.2	632.0	596.2	525.7	440.2
44°	441.0	496.8	440.5	450.0	500.0	595.3	657.6	660.2	620.8	547.2	453.6

REPORT NUMBER: P1192940
CATALOG NUMBER: BOLY42-25S-BZ-15W-3000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	449.7	519.2	444.4	466.6	526.2	616.5	676.4	678.5	646.7	578.0	477.4
46°	453.9	538.3	447.3	481.2	550.9	642.9	709.7	709.7	678.3	602.9	505.3
47°	455.8	553.5	456.8	513.0	583.0	669.6	733.4	729.7	705.6	633.8	543.2
48°	457.7	558.2	467.1	522.5	588.3	674.4	736.4	733.4	714.3	642.1	555.3
49°	462.0	561.3	470.0	527.7	588.2	676.5	738.9	737.3	719.8	650.4	561.3
50°	466.4	563.4	472.7	531.2	587.5	679.5	741.5	739.5	724.8	656.9	566.5
51°	471.2	564.7	474.1	532.3	586.8	680.5	742.4	741.5	727.5	662.0	570.4
52°	475.5	565.2	474.7	531.4	586.3	679.3	741.7	741.7	729.1	667.1	573.2
53°	478.6	564.5	474.9	528.2	584.3	675.4	741.1	740.4	729.0	669.2	574.7
54°	481.4	563.0	474.0	523.3	581.7	673.5	737.6	738.0	728.2	669.9	575.7
55°	483.4	559.3	471.2	516.6	576.6	666.9	730.5	734.3	726.0	669.7	576.9
56°	482.8	551.2	465.3	506.7	570.6	659.2	724.4	728.5	722.6	668.6	578.0
57°	476.0	546.8	457.3	493.1	562.0	651.3	716.2	720.3	717.2	666.1	576.8
58°	476.6	544.3	450.1	479.9	549.4	642.2	706.7	710.5	708.7	662.0	570.7
59°	475.0	536.1	442.4	466.0	531.4	628.0	693.4	698.6	696.8	651.1	558.8
60°	467.3	526.3	432.8	452.0	510.7	609.3	679.3	682.8	679.4	636.6	543.5
61°	457.6	510.5	420.7	432.3	485.0	585.2	656.6	662.1	657.7	616.9	523.6
62°	445.9	499.7	412.9	410.9	459.8	558.4	629.8	636.3	632.3	592.4	501.3
63°	431.8	484.7	399.7	388.2	434.2	528.2	599.1	607.3	602.9	563.8	476.7
64°	416.5	467.3	384.6	366.8	404.1	492.7	563.4	574.9	572.9	533.6	447.2
65°	400.3	450.9	368.2	343.6	374.9	455.6	525.2	538.5	537.1	501.6	416.4
66°	383.7	432.1	350.5	321.2	346.1	418.6	485.3	500.6	500.4	467.6	386.9
67°	366.1	411.8	333.6	299.7	317.3	384.2	446.1	460.4	465.3	431.9	357.9
68°	348.2	391.4	316.0	279.2	291.5	349.7	409.2	419.6	433.2	399.7	326.5
69°	326.5	365.3	297.9	259.6	265.0	313.4	373.5	382.3	400.3	367.3	294.5
70°	299.8	336.7	277.2	239.8	240.0	276.4	340.0	347.9	364.0	332.6	264.8
71°	272.6	308.9	252.0	219.9	214.9	240.5	303.7	314.1	325.4	297.9	235.5
72°	250.2	283.6	226.5	200.0	190.0	204.6	266.0	280.2	286.9	260.4	205.3
73°	227.4	261.1	201.2	177.8	170.3	168.9	229.2	245.1	248.6	226.9	178.4
74°	204.6	231.4	180.3	157.7	153.3	143.7	192.4	210.6	217.7	196.9	151.9
75°	181.8	201.8	156.6	138.1	134.3	120.4	160.0	182.2	189.9	166.9	126.7
76°	156.8	172.2	134.8	121.3	119.3	100.5	133.2	157.4	161.6	137.0	106.9
77°	134.0	147.4	113.4	106.3	106.5	85.4	113.3	135.8	135.6	110.7	92.6
78°	114.0	123.9	94.4	89.9	90.8	72.6	94.7	114.8	112.6	93.3	78.5
79°	95.2	104.3	77.6	75.0	77.6	62.6	78.8	97.1	95.1	75.8	64.4
80°	82.4	87.5	63.9	63.1	66.8	54.2	66.6	84.5	80.6	58.3	55.2
81°	71.4	73.6	52.0	53.3	56.2	46.4	57.3	71.9	66.3	48.3	46.9
82°	59.2	60.4	41.5	43.8	47.2	38.7	48.4	59.3	55.1	39.4	39.7
83°	48.2	49.0	33.9	36.0	39.1	32.4	40.7	49.4	45.4	30.8	33.5
84°	38.4	40.1	28.3	28.5	31.7	26.3	33.7	40.4	36.2	24.5	27.4
85°	30.1	31.1	22.7	22.8	24.6	20.3	26.0	30.7	27.3	19.7	22.4
86°	23.0	22.1	17.1	17.1	17.5	14.2	18.4	21.1	19.7	13.6	15.1
87°	16.0	13.2	11.5	11.4	10.4	8.3	10.7	11.2	11.5	10.4	9.0
88°	9.0	5.9	5.4	5.8	5.2	4.5	3.9	6.9	7.3	7.2	6.7
89°	5.6	2.4	4.2	4.4	4.3	3.7	3.1	2.7	3.2	3.9	4.4

REPORT NUMBER: P1192940
CATALOG NUMBER: BOLY42-25S-BZ-15W-3000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	3.9	1.8	3.7	4.1	4.0	3.5	3.1	2.7	3.1	3.6	4.1
91°	3.7	1.8	3.7	3.9	3.9	3.5	3.1	2.7	3.1	3.6	4.0
92°	3.6	1.8	3.6	3.9	3.9	3.5	3.1	2.8	3.1	3.6	3.9
93°	3.5	1.8	3.4	3.7	3.8	3.5	3.2	2.8	3.1	3.5	3.8
94°	3.3	1.8	3.3	3.6	3.7	3.5	3.2	2.9	3.1	3.5	3.6
95°	3.3	1.8	3.3	3.6	3.6	3.4	3.2	2.9	3.1	3.4	3.6
96°	3.3	1.8	3.3	3.6	3.6	3.4	3.2	2.9	3.1	3.3	3.6
97°	3.3	1.8	3.3	3.6	3.6	3.4	3.2	3.0	3.1	3.3	3.6
98°	3.3	1.8	3.3	3.6	3.7	3.5	3.3	3.0	3.1	3.4	3.6
99°	3.3	1.9	3.3	3.6	3.7	3.5	3.3	3.0	3.1	3.4	3.6
100°	3.3	1.9	3.3	3.6	3.7	3.5	3.3	3.0	3.2	3.4	3.5
101°	3.3	1.9	3.3	3.6	3.7	3.5	3.4	3.1	3.2	3.4	3.5
102°	3.3	2.0	3.3	3.6	3.6	3.6	3.4	3.1	3.2	3.4	3.5
103°	3.2	2.0	3.3	3.6	3.6	3.6	3.5	3.2	3.3	3.4	3.5
104°	3.2	2.0	3.3	3.5	3.6	3.6	3.5	3.3	3.3	3.4	3.5
105°	3.2	2.1	3.2	3.5	3.6	3.6	3.6	3.3	3.4	3.4	3.5
106°	3.1	2.1	3.2	3.5	3.6	3.6	3.6	3.4	3.4	3.5	3.5
107°	3.1	2.1	3.1	3.4	3.6	3.7	3.7	3.5	3.5	3.5	3.5
108°	3.0	2.2	3.1	3.4	3.6	3.7	3.8	3.6	3.6	3.5	3.4
109°	3.0	2.2	3.0	3.4	3.6	3.8	3.8	3.7	3.6	3.6	3.4
110°	2.9	2.2	3.0	3.4	3.7	3.8	3.9	3.8	3.7	3.6	3.4
111°	2.9	2.3	2.9	3.3	3.7	3.9	4.0	3.9	3.8	3.7	3.4
112°	2.9	2.3	2.9	3.3	3.7	3.9	4.1	4.0	3.9	3.7	3.5
113°	2.8	2.4	2.9	3.4	3.8	4.0	4.2	4.1	3.9	3.8	3.5
114°	2.8	2.5	2.9	3.4	3.8	4.1	4.2	4.2	4.0	3.8	3.6
115°	2.8	2.5	2.9	3.4	3.9	4.2	4.3	4.3	4.1	3.9	3.6
116°	2.8	2.6	2.9	3.5	4.0	4.3	4.4	4.4	4.2	4.0	3.7
117°	2.8	2.6	2.9	3.5	4.0	4.3	4.5	4.5	4.3	4.1	3.8
118°	2.9	2.7	2.9	3.6	4.1	4.4	4.6	4.6	4.4	4.2	3.9
119°	2.9	2.7	3.0	3.6	4.2	4.5	4.7	4.7	4.5	4.3	3.9
120°	2.9	2.8	3.0	3.7	4.3	4.6	4.8	4.8	4.6	4.4	4.0
121°	2.9	2.8	3.0	3.7	4.3	4.7	4.9	4.8	4.6	4.4	4.1
122°	2.9	2.9	3.0	3.7	4.4	4.7	4.9	4.8	4.7	4.4	4.1
123°	2.9	2.9	3.0	3.7	4.3	4.7	4.8	4.8	4.7	4.4	4.1
124°	2.9	2.8	2.9	3.7	4.3	4.7	4.8	4.8	4.6	4.4	4.0
125°	2.9	2.8	2.9	3.6	4.3	4.6	4.7	4.7	4.6	4.3	4.0
126°	2.8	2.8	2.8	3.6	4.2	4.5	4.6	4.6	4.5	4.2	3.9
127°	2.7	2.7	2.7	3.5	4.1	4.3	4.5	4.5	4.3	4.1	3.8
128°	2.7	2.6	2.7	3.4	4.0	4.2	4.3	4.3	4.2	4.0	3.7
129°	2.6	2.6	2.6	3.2	3.8	4.0	4.1	4.1	4.0	3.8	3.6
130°	2.5	2.4	2.4	3.1	3.6	3.8	3.9	3.9	3.8	3.6	3.4
131°	2.3	2.3	2.3	2.9	3.4	3.6	3.7	3.6	3.5	3.4	3.2
132°	2.2	2.2	2.2	2.7	3.1	3.3	3.4	3.3	3.3	3.2	3.0
133°	2.1	2.0	2.0	2.5	2.9	3.0	3.1	3.0	3.0	2.9	2.7
134°	2.0	1.8	1.9	2.3	2.6	2.7	2.8	2.7	2.7	2.6	2.5

REPORT NUMBER: P1192940
CATALOG NUMBER: BOLY42-25S-BZ-15W-3000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	1.8	1.7	1.7	2.1	2.3	2.4	2.5	2.4	2.4	2.3	2.2
136°	1.6	1.5	1.5	1.8	2.0	2.1	2.1	2.1	2.1	2.0	1.9
137°	1.5	1.3	1.4	1.6	1.7	1.8	1.8	1.8	1.7	1.7	1.7
138°	1.3	1.1	1.2	1.4	1.5	1.5	1.5	1.5	1.5	1.4	1.4
139°	1.2	1.0	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
140°	1.0	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
141°	0.9	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8
142°	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.7
143°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.7
144°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6
145°	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.6
146°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
147°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5
148°	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5
149°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
150°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
151°	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4
152°	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
153°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4
154°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
155°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
156°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
157°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
158°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
159°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3
160°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3
161°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3
162°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3
163°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3
164°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
171°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
173°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
174°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
175°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
176°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
178°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
179°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3



REPORT NUMBER: P1192940
CATALOG NUMBER: BOLY42-25S-BZ-15W-3000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

REPORT NUMBER: P1192940
CATALOG NUMBER: BOLY42-25S-BZ-15W-3000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5.8	5.8	5.8
1°	5.1	5.0	4.9
2°	11.8	8.9	5.4
3°	18.4	15.2	12.4
4°	25.1	21.5	19.5
5°	29.8	27.8	26.6
6°	33.1	30.5	29.6
7°	35.0	33.9	32.0
8°	39.1	36.8	34.7
9°	41.5	39.5	37.5
10°	45.3	42.2	39.6
11°	53.7	48.0	43.4
12°	61.6	55.6	51.5
13°	68.6	60.4	57.8
14°	72.1	67.0	63.5
15°	77.2	72.1	67.9
16°	81.8	76.9	74.5
17°	87.8	82.3	78.7
18°	93.3	87.5	83.1
19°	104.0	93.3	88.7
20°	115.3	103.1	95.2
21°	120.9	109.9	102.4
22°	129.1	118.0	111.1
23°	135.2	123.4	118.5
24°	142.7	129.5	124.5
25°	151.5	136.7	130.3
26°	158.7	143.7	137.2
27°	163.8	149.5	145.0
28°	171.4	155.8	151.6
29°	178.7	163.8	159.0
30°	187.5	169.6	166.3
31°	193.8	177.9	172.5
32°	203.9	183.5	181.7
33°	216.4	196.4	191.7
34°	229.0	207.2	202.4
35°	241.7	222.5	218.9
36°	261.4	237.8	235.5
37°	282.4	253.1	252.1
38°	295.2	265.8	260.4
39°	302.1	281.7	281.5
40°	309.9	294.7	302.2
41°	335.2	312.5	326.3
42°	361.4	332.1	357.7
43°	372.9	357.1	377.3
44°	384.3	366.2	398.2

REPORT NUMBER: P1192940
CATALOG NUMBER: BOLY42-25S-BZ-15W-3000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	402.7	373.7	418.1
46°	414.1	379.9	436.9
47°	445.3	388.6	457.5
48°	460.9	400.1	467.3
49°	467.7	403.7	474.6
50°	476.1	407.7	481.8
51°	483.9	412.1	489.6
52°	490.3	416.0	497.0
53°	493.8	420.2	502.7
54°	494.8	423.5	508.1
55°	493.5	425.2	513.4
56°	491.8	426.1	516.7
57°	488.0	427.2	518.0
58°	483.4	427.9	519.9
59°	475.6	428.6	521.1
60°	465.5	427.8	517.5
61°	454.1	426.0	512.0
62°	439.0	422.5	505.7
63°	423.1	416.0	498.5
64°	405.5	407.1	490.2
65°	383.8	396.6	479.2
66°	361.8	382.9	467.7
67°	340.4	368.6	452.4
68°	316.8	352.2	430.6
69°	287.8	329.7	402.6
70°	260.1	303.5	373.7
71°	230.3	279.2	348.3
72°	207.7	251.2	326.7
73°	190.8	224.1	300.6
74°	171.6	203.4	264.6
75°	151.8	183.3	233.3
76°	135.1	160.6	206.3
77°	116.6	137.4	178.4
78°	101.4	112.1	150.9
79°	88.2	96.5	125.8
80°	75.0	81.2	106.8
81°	61.8	65.8	91.9
82°	49.5	54.1	77.1
83°	38.9	44.5	62.3
84°	31.6	36.1	46.6
85°	24.2	27.4	34.7
86°	17.6	20.3	24.8
87°	12.3	14.6	16.2
88°	9.6	11.1	11.3
89°	6.9	7.5	6.5

REPORT NUMBER: P1192940
 CATALOG NUMBER: BOLY42-25S-BZ-15W-3000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	4.2	4.0	1.7
91°	4.0	3.8	1.5
92°	3.9	3.6	1.5
93°	3.7	3.4	1.5
94°	3.6	3.3	1.6
95°	3.5	3.3	1.6
96°	3.5	3.3	1.6
97°	3.5	3.2	1.6
98°	3.5	3.2	1.7
99°	3.5	3.2	1.7
100°	3.4	3.2	1.7
101°	3.4	3.1	1.8
102°	3.4	3.1	1.8
103°	3.4	3.1	1.8
104°	3.4	3.1	1.8
105°	3.3	3.0	1.9
106°	3.3	2.9	1.9
107°	3.2	2.9	2.0
108°	3.1	2.8	2.0
109°	3.1	2.8	2.1
110°	3.1	2.7	2.1
111°	3.1	2.7	2.2
112°	3.1	2.7	2.2
113°	3.1	2.7	2.3
114°	3.1	2.7	2.3
115°	3.2	2.7	2.4
116°	3.2	2.7	2.5
117°	3.2	2.7	2.5
118°	3.3	2.8	2.6
119°	3.4	2.8	2.7
120°	3.4	2.8	2.7
121°	3.5	2.8	2.8
122°	3.5	2.8	2.8
123°	3.4	2.8	2.8
124°	3.4	2.8	2.8
125°	3.4	2.8	2.8
126°	3.3	2.7	2.7
127°	3.2	2.7	2.7
128°	3.1	2.6	2.6
129°	3.0	2.5	2.5
130°	2.9	2.4	2.4
131°	2.7	2.2	2.3
132°	2.5	2.1	2.1
133°	2.4	1.9	2.0
134°	2.2	1.8	1.8

REPORT NUMBER: P1192940
CATALOG NUMBER: BOLY42-25S-BZ-15W-3000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	1.9	1.6	1.7
136°	1.7	1.5	1.5
137°	1.5	1.3	1.3
138°	1.3	1.2	1.1
139°	1.1	1.0	1.0
140°	0.9	0.9	0.9
141°	0.8	0.8	0.8
142°	0.7	0.7	0.7
143°	0.7	0.7	0.7
144°	0.6	0.6	0.6
145°	0.6	0.6	0.6
146°	0.5	0.5	0.6
147°	0.5	0.5	0.5
148°	0.5	0.5	0.5
149°	0.5	0.5	0.5
150°	0.4	0.4	0.5
151°	0.4	0.4	0.4
152°	0.4	0.4	0.4
153°	0.4	0.4	0.4
154°	0.3	0.3	0.4
155°	0.3	0.3	0.3
156°	0.3	0.3	0.3
157°	0.3	0.3	0.3
158°	0.3	0.3	0.3
159°	0.3	0.3	0.3
160°	0.3	0.3	0.3
161°	0.3	0.3	0.3
162°	0.3	0.3	0.3
163°	0.3	0.3	0.3
164°	0.3	0.3	0.3
165°	0.3	0.3	0.3
166°	0.3	0.3	0.3
167°	0.3	0.3	0.3
168°	0.3	0.3	0.3
169°	0.3	0.3	0.3
170°	0.3	0.3	0.3
171°	0.3	0.3	0.3
172°	0.3	0.3	0.3
173°	0.3	0.3	0.3
174°	0.3	0.3	0.3
175°	0.3	0.3	0.3
176°	0.3	0.3	0.3
177°	0.3	0.3	0.3
178°	0.3	0.3	0.3
179°	0.3	0.3	0.3

REPORT NUMBER: P1192940
CATALOG NUMBER: BOLY42-25S-BZ-15W-3000K

CANDELA DISTRIBUTION (continued):

180°	330°	345°	360°
	0.3	0.3	0.3

(END OF REPORT)