

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: P1192944

Luminaire Tested: BOLY42-25S-BZ-20W-4000K

Issue Date: 10/8/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192944
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-20W-4000K
Description: Y-Shaped bollard, 42" length, 20W, BZ at 4000K

Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

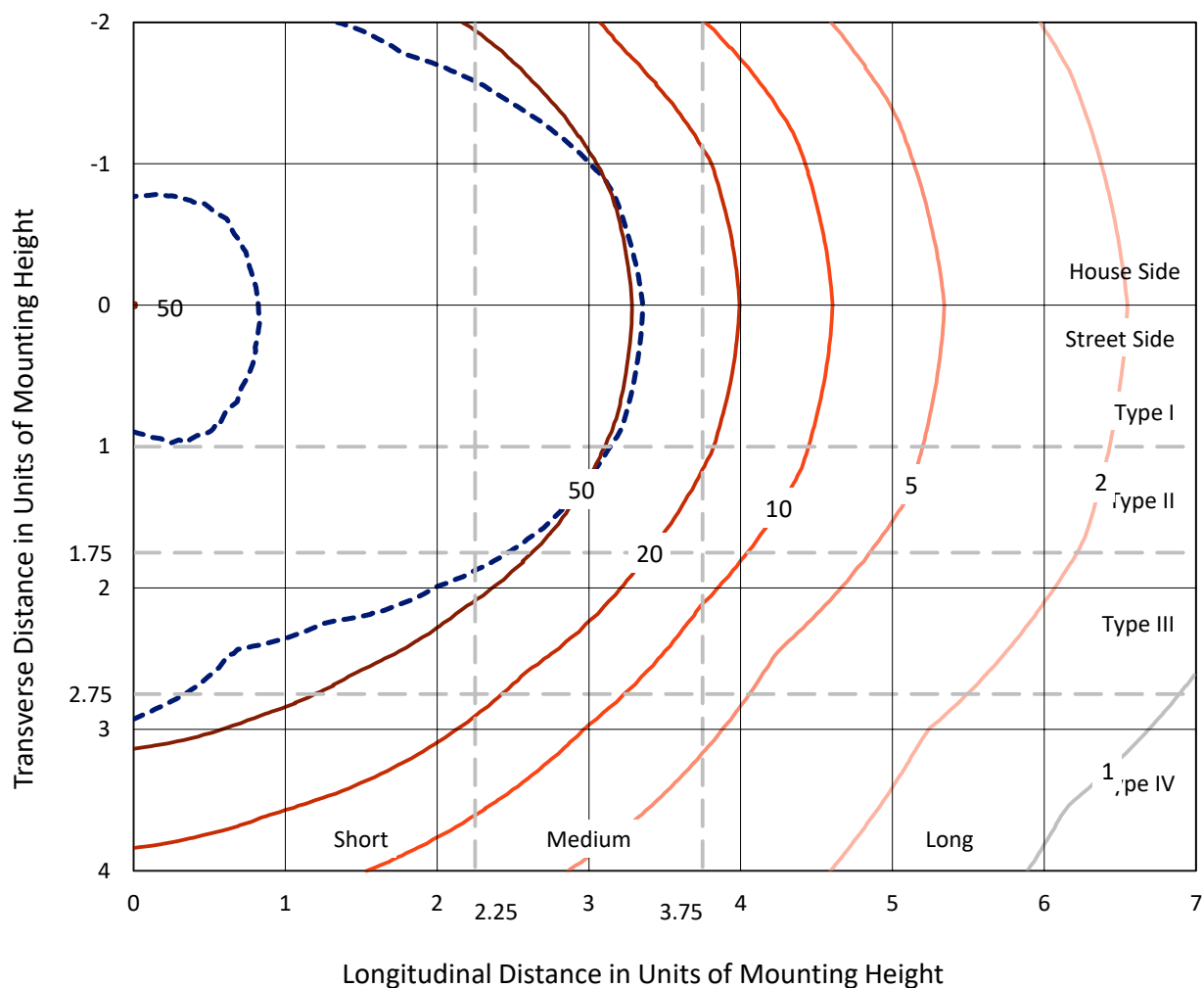
Lumens per Lamp: 1889.2 (1 lamp)
Luminaire Lumens: 2644.7 lumens
Efficiency: 140.0%
Efficacy: 134.9 lumens/watt
Luminous Opening: Circular (Dia: 0.25' x H: 0')
IES Classification: Type III - Short - Cutoff
BUG Rating: B1 - U2 - G1

Input Watts (W): 19.6
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

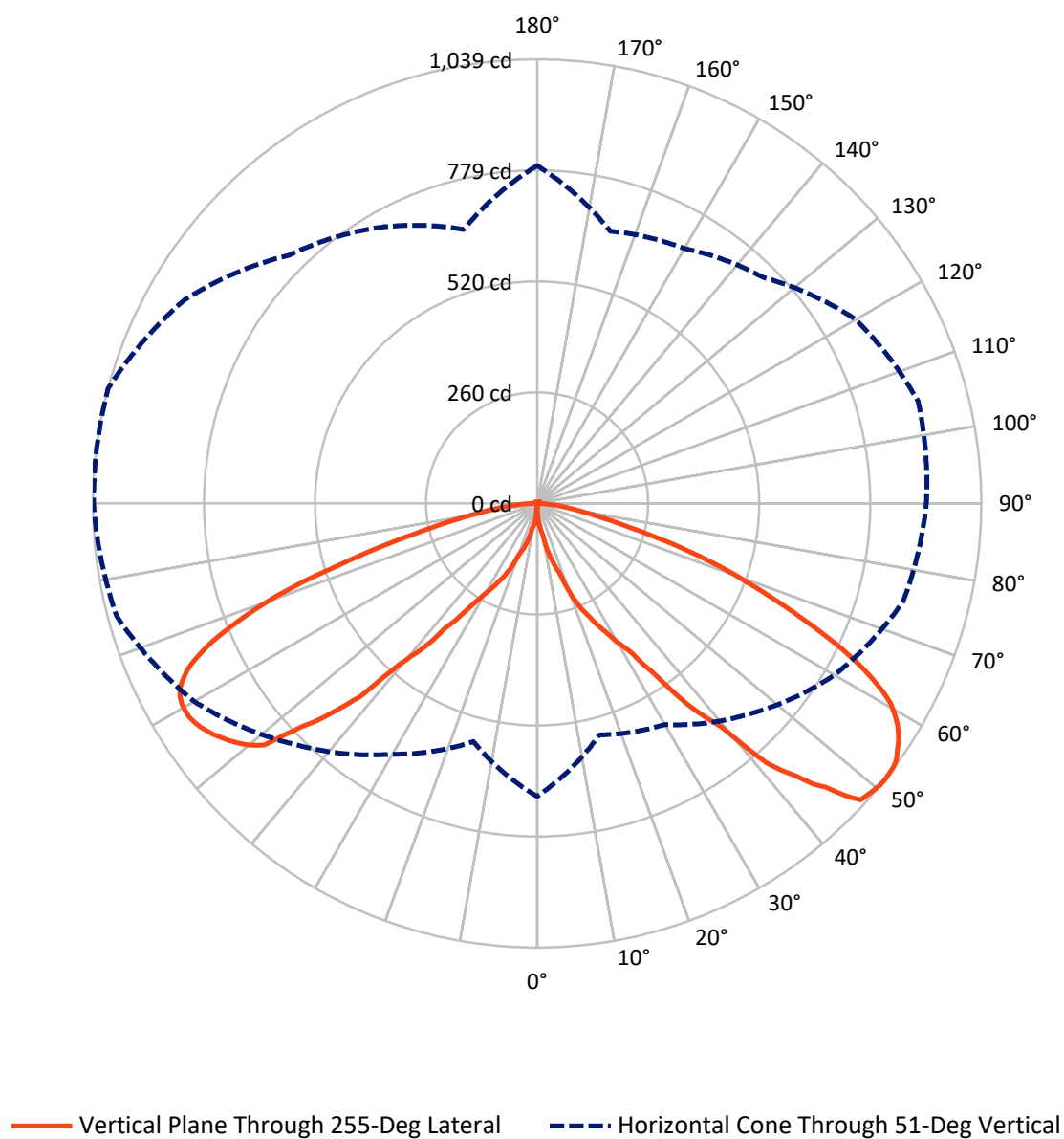
× Max cd
 --- 1/2 Max cd



Based on 0.5 foot mounting height. Maximum calculated value = 1040.8 fc
 Type III - Short - Cutoff

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Luminous Intensity Polar Plot



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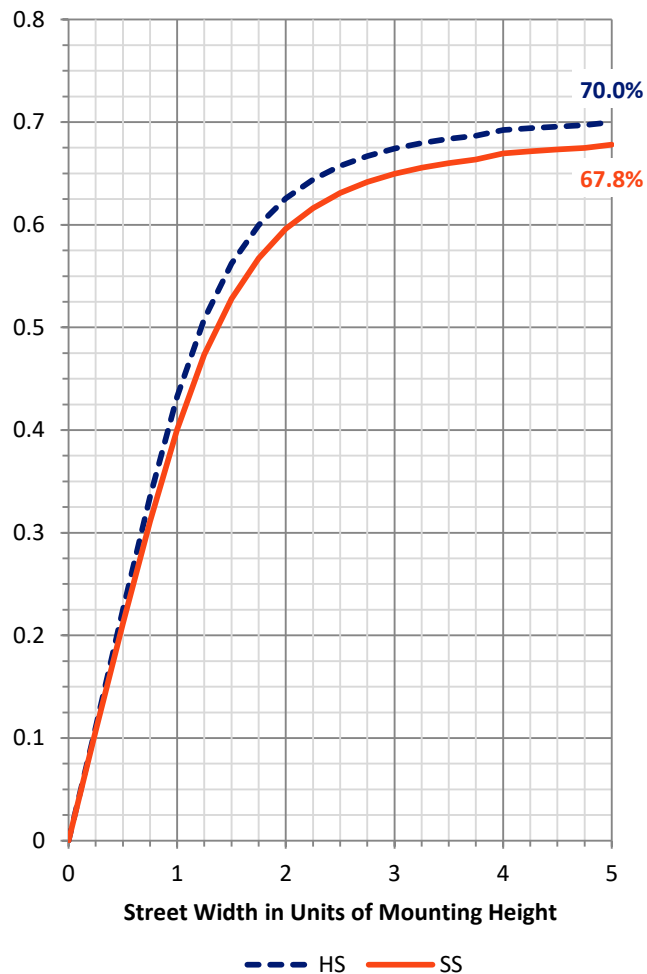
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1330.8	11.8	1342.5
	% Lamp	70.4	0.6	71.1
Street Side	Lumens	1290.8	11.4	1302.2
	% Lamp	68.3	0.6	68.9
Total	Lumens	2621.6	23.1	2644.7
	% Lamp	138.8	1.2	140.0

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	4.2	0.2	0.2
10°-20°	32.9	1.2	1.7
20°-30°	106.9	4.0	5.7
30°-40°	245.4	9.3	13.0
40°-50°	524.8	19.8	27.8
50°-60°	718.4	27.2	38.0
60°-70°	646.9	24.5	34.2
70°-80°	287.1	10.9	15.2
80°-90°	55.0	2.1	2.9
90°-100°	5.2	0.2	0.3
100°-110°	4.8	0.2	0.3
110°-120°	4.9	0.2	0.3
120°-130°	4.7	0.2	0.3
130°-140°	2.5	0.1	0.1
140°-150°	0.6	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°	2621.6	99.1	138.8
0°-180°	2644.7	100.0	140.0

Coefficient of Utilization



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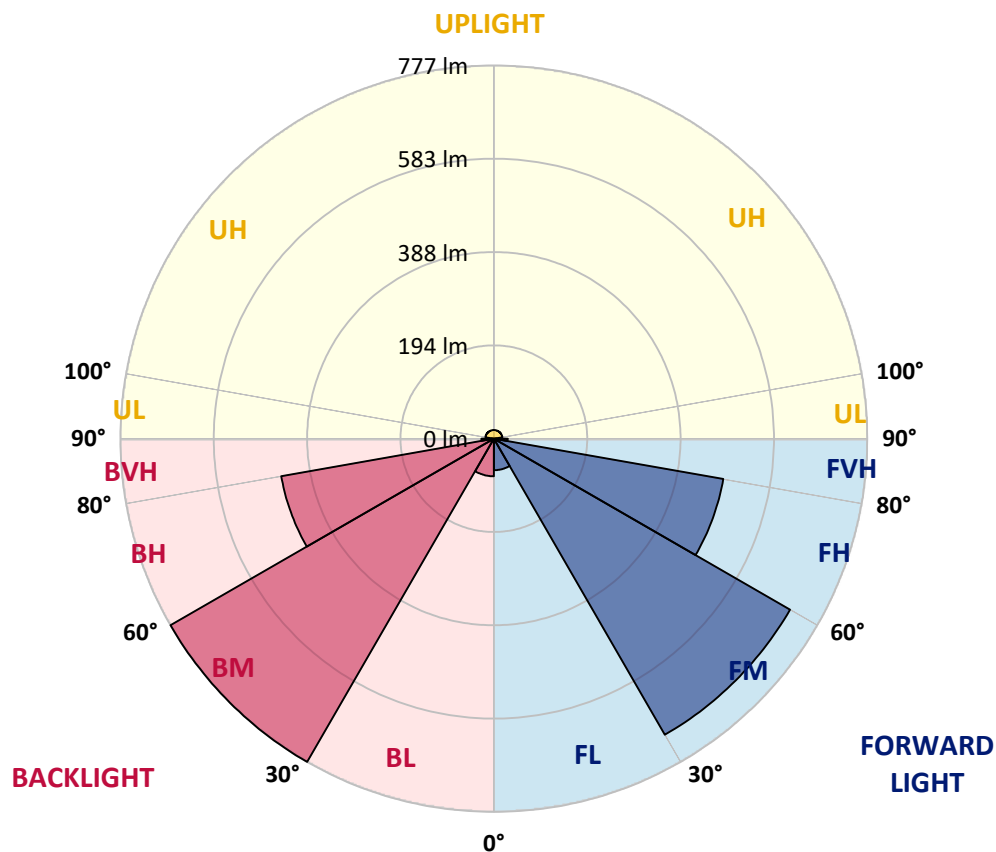
CATALOG NUMBER: BOLY42-25S-BZ-20W-4000K

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	65.7	3.5			
FM	(30°-60°)	711.6	37.7			
FH	(60°-80°)	484.6	25.7			G0/660
FVH	(80°-90°)	28.8	1.5			G1/100
BL	(0°-30°)	78.3	4.1	B0/110		
BM	(30°-60°)	777.0	41.1	B1/1000		
BH	(60°-80°)	449.3	23.8	B1/500		G1/500
BVH	(80°-90°)	26.2	1.4			G1/100
UL	(90°-100°)	5.2	0.3		U1/10	
UH	(100°-180°)	18.0	1.0		U2/50	
Trapped Light		-755.5	-40.0			

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°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
1°	6.9	6.7	6.3	5.6	5.1	5.1	4.8	4.9	5.4	5.8	6.2
2°	7.6	7.2	7.0	6.7	6.2	5.8	5.5	5.8	10.4	10.7	7.5
3°	17.4	14.6	8.2	7.6	7.5	7.6	8.3	10.9	15.5	15.6	8.9
4°	27.3	22.9	18.2	19.6	16.6	16.3	11.5	16.2	20.6	20.5	23.8
5°	37.2	31.1	28.3	26.7	25.9	25.2	28.6	30.3	29.4	27.4	32.2
6°	41.5	39.4	38.3	33.7	35.1	34.0	38.1	38.5	36.2	36.3	37.4
7°	44.8	42.9	42.0	40.6	38.8	42.8	44.1	43.7	42.0	39.5	42.7
8°	48.6	47.2	46.4	44.2	42.2	46.5	49.3	48.5	47.2	44.7	47.3
9°	52.5	49.7	48.5	47.3	44.7	49.1	54.0	51.4	50.6	47.8	51.0
10°	55.4	52.7	52.0	50.0	49.1	53.1	58.9	55.9	53.6	49.9	55.9
11°	60.8	56.8	55.2	52.7	52.6	57.0	62.3	59.3	57.8	55.0	61.3
12°	72.0	64.7	62.8	59.2	58.7	62.3	65.8	64.6	64.6	59.9	72.7
13°	80.8	72.7	72.2	74.0	72.7	74.8	76.1	77.3	79.5	77.2	85.9
14°	88.9	79.4	78.1	80.8	82.7	84.3	85.4	89.2	88.9	84.4	94.7
15°	95.1	88.5	84.0	85.8	89.6	93.8	95.3	98.1	99.5	94.1	104.2
16°	104.4	94.4	89.6	92.3	95.2	99.7	104.8	108.4	107.2	101.0	113.7
17°	110.1	101.5	93.9	97.4	102.5	108.8	109.5	115.7	114.4	110.6	121.4
18°	116.3	107.6	101.3	103.8	108.4	113.5	118.4	123.1	122.5	120.0	129.1
19°	124.2	113.6	107.0	108.7	114.5	120.3	127.7	130.5	130.6	129.4	137.0
20°	133.3	119.9	112.6	116.6	123.7	126.0	137.0	138.0	139.0	138.9	151.1
21°	143.4	129.1	126.6	128.9	137.1	138.2	146.3	156.0	158.0	162.9	171.8
22°	155.6	138.3	134.5	139.4	149.3	153.5	160.1	171.2	175.4	176.6	187.1
23°	165.9	147.5	143.3	148.6	157.9	166.8	172.2	180.9	189.9	189.3	201.2
24°	174.2	156.6	152.7	158.3	166.9	176.3	182.8	197.3	201.4	202.6	213.3
25°	182.4	162.9	161.6	167.3	176.3	188.1	194.3	208.7	213.7	215.4	222.8
26°	192.0	169.9	168.2	176.3	186.1	197.2	205.9	218.7	225.5	227.2	234.6
27°	202.9	179.7	176.1	186.0	197.0	206.6	216.7	229.9	236.1	238.2	245.8
28°	212.3	191.8	190.0	198.3	205.2	218.5	227.9	240.0	248.4	250.9	257.1
29°	222.6	198.6	200.2	209.6	214.6	228.5	238.8	250.0	262.8	263.8	266.8
30°	232.8	207.8	207.6	219.0	226.4	238.7	251.0	262.3	273.9	278.4	278.6
31°	241.5	216.1	215.4	228.7	237.5	250.1	263.1	273.6	286.9	291.3	287.7
32°	254.4	228.4	224.0	239.1	246.5	264.6	278.9	290.1	297.5	303.3	304.0
33°	268.4	240.8	237.2	253.9	255.8	279.5	301.0	305.6	308.5	322.5	319.7
34°	283.4	251.4	246.2	267.2	270.6	300.9	318.9	324.3	321.2	336.4	337.9
35°	306.5	264.4	264.2	283.9	282.5	322.4	335.3	346.2	336.2	353.1	348.7
36°	329.7	290.5	273.6	292.3	313.9	344.0	363.4	369.7	355.2	364.7	371.4
37°	352.9	305.3	296.1	318.2	345.6	364.2	399.5	408.3	386.1	396.1	407.8
38°	364.6	319.8	319.0	344.7	377.3	406.7	444.2	453.7	440.1	432.5	440.1
39°	394.1	336.9	341.9	356.4	401.1	438.7	472.4	483.0	464.0	444.1	453.1
40°	423.0	357.7	366.5	368.6	416.6	462.5	522.9	520.6	488.8	456.4	484.8
41°	456.9	380.0	381.9	394.8	450.9	495.7	541.0	548.2	531.0	483.0	495.4
42°	500.7	401.9	402.1	429.3	491.3	541.9	590.4	588.0	576.1	518.4	521.6
43°	528.1	435.6	445.6	477.8	540.9	612.0	655.2	657.3	630.6	565.9	565.4
44°	557.4	461.8	459.1	508.6	576.9	649.2	688.3	690.9	662.2	595.9	579.0

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	585.4	485.3	470.2	524.9	609.4	689.5	729.3	736.7	691.7	612.4	589.4
46°	611.7	498.7	480.9	551.1	647.5	728.1	761.1	771.2	728.8	642.9	599.1
47°	640.5	509.9	503.2	578.9	679.7	757.7	792.4	799.6	751.2	669.3	620.7
48°	654.2	527.4	536.9	611.9	720.5	801.2	830.9	842.2	794.7	712.2	659.7
49°	664.5	545.3	569.8	658.9	767.8	852.7	877.2	892.6	835.1	741.2	683.0
50°	674.4	554.1	584.0	678.8	785.7	871.2	898.4	911.6	848.7	745.4	687.4
51°	685.5	560.8	597.3	698.0	803.1	886.4	910.8	922.9	860.8	748.0	688.9
52°	695.7	569.3	609.9	712.4	818.6	898.9	922.1	934.9	869.6	750.2	690.4
53°	703.8	577.6	619.1	719.3	833.2	910.1	932.3	946.0	874.2	755.2	691.1
54°	711.3	584.5	628.9	725.7	846.4	920.6	942.5	953.5	878.8	764.0	692.3
55°	718.7	589.9	638.3	733.0	857.0	930.9	949.7	960.3	883.5	770.5	693.9
56°	723.3	594.6	648.3	740.7	866.1	938.7	955.4	965.5	886.3	774.7	695.3
57°	725.1	596.1	655.1	747.9	876.9	946.1	960.2	968.7	886.6	775.2	693.6
58°	727.8	594.7	659.9	755.0	887.1	951.7	963.1	968.2	882.7	769.4	689.6
59°	729.4	591.5	662.4	762.5	894.4	955.4	962.3	966.5	878.8	759.5	679.1
60°	724.5	587.3	660.2	767.0	897.2	955.6	960.5	962.6	871.7	747.8	656.3
61°	716.7	581.1	657.3	768.9	900.9	954.8	956.2	954.7	859.5	732.5	631.1
62°	708.0	576.0	653.2	766.8	900.5	950.4	949.7	941.5	844.2	711.4	625.4
63°	697.9	569.6	644.5	760.2	893.7	942.5	935.3	924.2	826.8	687.5	604.6
64°	686.2	562.8	631.5	744.4	884.3	927.4	917.8	904.6	805.5	660.5	577.8
65°	670.9	551.5	611.8	721.8	868.8	907.1	891.9	878.9	776.1	629.7	546.1
66°	654.7	536.1	585.7	692.8	844.0	879.9	862.7	848.5	735.1	592.3	515.5
67°	633.4	515.0	551.1	661.5	811.6	845.0	825.2	811.2	688.8	547.7	484.1
68°	602.8	491.6	515.0	622.2	764.5	802.2	784.1	766.6	634.8	498.5	453.7
69°	563.6	470.0	476.5	569.8	703.1	751.5	740.5	715.5	579.2	450.2	424.3
70°	523.1	448.4	435.6	510.8	634.2	699.3	689.6	658.1	522.9	408.0	395.6
71°	487.5	422.8	402.4	453.1	566.1	643.4	633.6	599.3	471.4	372.2	364.6
72°	457.3	395.0	370.1	403.3	500.8	578.2	572.1	539.1	422.2	335.1	328.4
73°	420.8	359.7	339.1	355.0	439.1	502.9	508.4	477.5	375.6	297.9	292.3
74°	370.4	318.7	306.5	304.2	379.6	438.4	447.6	424.4	322.2	261.0	256.1
75°	326.6	278.0	273.0	260.9	316.2	380.7	393.9	369.3	269.0	231.5	227.2
76°	288.8	243.9	234.3	225.5	256.8	325.8	345.7	321.5	226.5	201.9	193.7
77°	249.7	213.3	201.3	191.9	208.5	276.8	297.5	273.8	191.2	176.9	165.8
78°	211.2	186.5	171.8	167.2	169.6	235.8	249.5	226.2	159.7	156.5	139.5
79°	176.1	160.6	145.6	147.9	139.3	201.3	213.6	188.4	134.7	134.1	120.6
80°	149.5	133.2	126.9	130.7	123.2	171.3	180.6	160.0	116.8	113.5	104.4
81°	128.7	113.5	108.4	113.5	107.4	145.2	152.4	137.0	103.1	98.4	91.3
82°	108.0	93.9	90.0	96.2	91.6	125.5	129.7	117.0	91.2	86.2	78.0
83°	87.3	77.5	76.8	83.3	78.4	106.1	110.6	98.4	79.3	74.1	64.5
84°	65.2	65.0	63.8	70.3	66.9	86.7	92.5	83.0	66.3	62.8	52.4
85°	48.6	54.0	53.4	58.4	56.3	72.4	75.8	69.4	56.1	52.5	43.1
86°	34.8	43.3	43.4	47.9	44.7	59.2	61.0	57.3	46.0	43.3	35.3
87°	22.7	31.7	33.1	38.5	35.5	47.0	48.8	45.9	36.4	34.3	27.4
88°	15.8	17.5	24.9	27.2	25.3	35.7	36.5	34.1	26.8	25.3	19.5
89°	9.1	13.3	15.3	17.6	16.0	22.7	24.2	22.3	17.2	16.3	11.5

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	2.3	9.3	10.5	13.5	10.8	11.2	12.0	10.6	9.0	8.3	6.8
91°	2.1	5.4	5.7	9.5	5.6	7.7	4.9	5.4	6.0	6.0	5.7
92°	2.1	5.2	5.4	5.4	4.8	4.2	4.0	4.5	5.1	5.5	5.5
93°	2.2	5.0	5.3	5.2	4.7	4.1	4.0	4.4	5.0	5.4	5.3
94°	2.2	4.7	5.1	5.1	4.7	4.2	4.0	4.4	4.9	5.3	5.2
95°	2.2	4.6	4.8	5.0	4.7	4.2	4.1	4.5	4.9	5.2	4.9
96°	2.2	4.6	4.7	4.7	4.6	4.2	4.2	4.5	4.9	5.0	4.9
97°	2.3	4.6	4.7	4.6	4.5	4.2	4.2	4.5	4.8	4.9	4.9
98°	2.3	4.5	4.7	4.6	4.4	4.2	4.3	4.5	4.7	5.0	4.9
99°	2.4	4.5	4.7	4.6	4.4	4.1	4.4	4.5	4.7	5.0	4.9
100°	2.4	4.5	4.7	4.6	4.4	4.1	4.4	4.5	4.8	5.0	4.9
101°	2.5	4.5	4.7	4.6	4.4	4.2	4.4	4.6	4.8	5.0	4.9
102°	2.5	4.4	4.7	4.6	4.4	4.2	4.4	4.6	4.8	5.0	4.9
103°	2.5	4.4	4.6	4.6	4.5	4.3	4.5	4.6	4.9	5.0	4.9
104°	2.6	4.4	4.6	4.6	4.5	4.3	4.5	4.7	4.9	5.0	4.8
105°	2.6	4.3	4.6	4.6	4.5	4.4	4.6	4.8	4.9	5.0	4.8
106°	2.7	4.3	4.6	4.6	4.6	4.4	4.7	4.8	4.9	4.9	4.8
107°	2.8	4.1	4.6	4.6	4.6	4.5	4.8	4.9	4.9	4.9	4.7
108°	2.8	4.0	4.5	4.7	4.7	4.6	4.9	4.9	5.0	4.9	4.6
109°	2.9	3.9	4.4	4.7	4.7	4.7	5.0	5.0	5.0	4.9	4.6
110°	3.0	3.9	4.3	4.7	4.8	4.8	5.1	5.1	5.0	4.9	4.6
111°	3.0	3.9	4.3	4.7	4.8	4.8	5.2	5.2	5.1	4.9	4.5
112°	3.1	3.8	4.3	4.6	4.9	4.9	5.3	5.3	5.2	4.9	4.5
113°	3.2	3.8	4.3	4.7	5.0	5.1	5.4	5.3	5.2	5.0	4.5
114°	3.3	3.8	4.3	4.7	5.0	5.2	5.5	5.4	5.3	5.0	4.5
115°	3.4	3.8	4.4	4.8	5.1	5.3	5.6	5.5	5.4	5.1	4.5
116°	3.4	3.8	4.4	4.9	5.2	5.4	5.7	5.6	5.5	5.1	4.6
117°	3.5	3.9	4.5	5.0	5.2	5.5	5.8	5.7	5.5	5.2	4.6
118°	3.6	3.9	4.6	5.1	5.3	5.6	5.9	5.8	5.6	5.3	4.7
119°	3.7	4.0	4.6	5.2	5.5	5.7	6.0	6.0	5.7	5.4	4.7
120°	3.8	4.0	4.7	5.3	5.6	5.8	6.2	6.1	5.9	5.5	4.8
121°	3.9	4.1	4.8	5.4	5.7	5.9	6.3	6.2	6.0	5.6	4.9
122°	3.9	4.1	4.9	5.5	5.8	6.1	6.4	6.3	6.1	5.7	5.0
123°	3.9	4.1	4.9	5.6	5.9	6.2	6.4	6.4	6.2	5.8	5.0
124°	3.9	4.0	4.9	5.6	5.9	6.2	6.5	6.5	6.2	5.7	5.0
125°	3.9	4.0	4.9	5.5	5.9	6.2	6.5	6.4	6.2	5.7	4.9
126°	3.8	4.0	4.8	5.5	5.9	6.2	6.4	6.4	6.2	5.7	4.9
127°	3.8	3.9	4.7	5.4	5.8	6.1	6.3	6.3	6.1	5.6	4.8
128°	3.7	3.8	4.6	5.3	5.7	6.0	6.2	6.2	5.9	5.5	4.7
129°	3.5	3.7	4.5	5.2	5.5	5.8	6.0	6.0	5.8	5.3	4.5
130°	3.4	3.5	4.3	5.0	5.4	5.6	5.8	5.8	5.6	5.2	4.4
131°	3.2	3.4	4.2	4.8	5.2	5.4	5.6	5.6	5.4	5.0	4.2
132°	3.0	3.2	4.0	4.6	4.9	5.1	5.3	5.3	5.1	4.7	4.0
133°	2.8	3.0	3.7	4.3	4.6	4.8	5.0	5.0	4.8	4.4	3.7
134°	2.6	2.8	3.5	4.0	4.3	4.5	4.7	4.7	4.5	4.1	3.5

REPORT NUMBER: P1192944
CATALOG NUMBER: BOLY42-25S-BZ-20W-4000K

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	2.3	2.6	3.2	3.7	4.0	4.2	4.3	4.3	4.1	3.8	3.2
136°	2.1	2.4	2.9	3.3	3.6	3.8	4.0	3.9	3.8	3.4	2.9
137°	1.8	2.2	2.6	3.0	3.3	3.4	3.6	3.5	3.4	3.1	2.6
138°	1.6	1.9	2.3	2.6	2.9	3.0	3.2	3.1	3.0	2.7	2.3
139°	1.4	1.7	2.0	2.3	2.5	2.6	2.8	2.7	2.6	2.3	2.0
140°	1.2	1.5	1.7	2.0	2.1	2.2	2.4	2.4	2.2	2.0	1.7
141°	1.1	1.3	1.5	1.6	1.8	1.9	2.0	2.0	1.9	1.7	1.5
142°	1.0	1.1	1.2	1.4	1.5	1.6	1.7	1.7	1.6	1.4	1.2
143°	1.0	1.0	1.1	1.2	1.2	1.3	1.5	1.4	1.3	1.2	1.1
144°	0.9	1.0	1.0	1.1	1.1	1.1	1.3	1.3	1.2	1.1	1.1
145°	0.8	0.9	0.9	1.0	1.0	1.1	1.2	1.2	1.2	1.1	1.0
146°	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.0	1.0
147°	0.7	0.8	0.8	0.9	0.9	0.9	1.1	1.1	1.0	1.0	0.9
148°	0.7	0.7	0.8	0.8	0.8	0.9	1.0	1.0	1.0	0.9	0.9
149°	0.7	0.7	0.7	0.8	0.8	0.8	1.0	0.9	0.9	0.9	0.8
150°	0.6	0.7	0.7	0.7	0.7	0.8	0.9	0.9	0.9	0.8	0.8
151°	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.7
152°	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.7	0.7
153°	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7
154°	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6
155°	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6
156°	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6
157°	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5
158°	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
159°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
160°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
161°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
162°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
163°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
164°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
165°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
166°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
167°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
168°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
169°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
170°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
171°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
172°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
173°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
174°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
175°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
176°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
177°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
178°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
179°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4



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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

REPORT NUMBER: P1192944
CATALOG NUMBER: BOLY42-25S-BZ-20W-4000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
1°	10.4	7.1	10.7	15.8	17.5	18.2	18.2	7.7	7.7	7.5	7.4
2°	14.2	7.7	15.0	20.6	23.5	24.8	24.8	20.6	20.1	19.1	17.8
3°	17.9	23.0	26.5	30.3	34.2	35.4	36.9	33.5	32.6	31.0	28.5
4°	29.2	31.8	34.1	35.6	39.7	42.6	45.2	46.4	45.2	42.9	39.2
5°	37.0	39.9	40.8	41.0	42.9	47.7	50.4	52.3	52.0	47.5	42.4
6°	42.7	44.8	43.8	45.8	47.4	51.1	55.6	57.7	55.1	50.9	48.1
7°	47.7	50.6	49.1	48.4	50.7	56.0	59.1	62.4	58.8	54.3	52.3
8°	52.0	54.0	53.9	53.4	56.2	60.0	65.0	66.6	62.6	57.2	55.5
9°	56.7	58.2	58.0	58.2	61.4	64.9	69.5	71.3	66.9	61.2	61.7
10°	61.0	63.2	63.5	62.2	67.5	72.5	76.9	81.6	75.8	67.7	65.1
11°	67.7	70.3	77.5	80.1	89.2	94.8	99.6	98.2	94.7	87.6	81.0
12°	78.4	81.7	90.3	92.7	102.2	108.5	112.8	111.2	107.3	100.5	93.2
13°	87.7	94.2	99.3	105.1	114.1	119.7	123.7	122.5	118.1	108.9	102.5
14°	100.5	106.8	108.6	115.8	124.2	130.9	134.7	132.0	126.8	119.4	110.8
15°	113.6	116.8	117.9	126.4	134.2	142.2	146.7	144.3	138.3	127.0	117.9
16°	123.9	126.9	127.2	137.0	144.3	153.4	157.2	153.7	147.2	136.4	126.5
17°	134.3	137.0	136.5	149.3	155.9	163.9	167.5	164.5	155.9	144.8	133.6
18°	145.0	146.6	149.3	160.2	168.3	177.3	182.0	181.9	168.8	154.4	141.6
19°	153.9	157.2	165.7	184.0	199.4	207.7	210.1	207.0	191.2	179.8	163.7
20°	172.6	172.7	185.8	199.7	214.9	230.8	228.8	224.6	210.6	195.3	177.0
21°	187.4	185.4	198.8	212.1	229.3	246.1	245.5	239.2	227.2	211.3	188.6
22°	198.9	205.6	212.8	228.9	243.5	260.5	263.1	253.5	241.5	224.3	198.5
23°	214.0	215.8	222.7	243.4	264.2	274.4	275.7	268.3	255.2	236.7	212.8
24°	225.1	230.1	233.4	258.2	277.9	290.1	288.8	282.4	267.9	247.9	226.5
25°	234.8	240.3	246.9	270.0	290.4	304.5	304.3	296.9	280.4	259.2	238.2
26°	246.1	254.5	255.8	281.4	305.3	318.4	318.7	311.4	292.2	271.5	248.2
27°	264.4	270.9	266.2	291.9	319.6	333.5	332.6	325.9	308.4	282.8	258.4
28°	277.8	282.3	280.8	307.6	331.5	347.3	346.3	341.5	324.8	294.2	270.3
29°	289.8	292.7	292.1	321.8	347.5	359.2	366.1	358.0	338.9	308.4	285.6
30°	301.2	307.4	303.1	331.0	364.5	371.0	382.1	375.5	352.2	322.6	298.7
31°	317.1	326.0	314.5	340.2	378.9	384.0	396.7	398.2	373.6	334.3	311.8
32°	337.0	340.3	329.9	360.0	391.0	399.5	417.3	417.7	398.6	346.0	324.9
33°	347.6	352.4	348.4	379.4	409.0	414.7	454.5	442.4	413.6	369.9	335.0
34°	361.0	385.2	371.1	403.9	418.8	443.5	482.3	491.0	451.3	391.7	357.0
35°	395.0	413.6	394.0	418.3	445.1	477.8	527.1	548.8	490.0	434.0	380.4
36°	418.1	441.8	418.2	461.2	484.4	548.3	574.7	585.7	534.9	478.8	416.6
37°	430.7	465.7	452.7	489.9	498.9	568.7	611.9	624.6	571.6	510.5	431.1
38°	461.4	504.9	472.2	499.1	515.5	590.0	644.4	664.9	592.6	535.1	446.1
39°	488.8	518.8	495.4	508.1	547.1	630.1	677.6	701.2	639.0	572.2	478.5
40°	522.2	567.8	526.2	520.4	576.3	676.6	745.1	764.3	686.4	609.8	507.2
41°	532.2	603.7	546.2	569.8	629.1	727.4	809.5	820.5	760.8	668.7	563.1
42°	565.4	640.1	582.7	602.7	663.6	765.4	848.0	858.5	794.9	698.1	593.6
43°	580.4	664.0	610.4	616.8	676.9	799.8	878.1	884.8	834.7	735.9	616.2
44°	617.4	695.5	616.7	629.9	700.0	833.4	920.5	924.2	869.0	766.0	635.0

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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	629.5	726.9	622.1	653.3	736.6	863.0	946.9	949.9	905.3	809.2	668.3
46°	635.4	753.6	626.1	673.6	771.3	899.9	993.4	993.6	949.5	844.1	707.4
47°	638.1	774.9	639.5	718.1	816.1	937.3	1026.7	1021.5	987.7	887.3	760.4
48°	640.8	781.4	653.9	731.5	823.5	944.1	1030.9	1026.7	999.9	898.8	777.4
49°	646.8	785.8	657.9	738.7	823.5	947.1	1034.4	1032.2	1007.7	910.5	785.7
50°	652.9	788.8	661.8	743.6	822.4	951.3	1038.0	1035.3	1014.7	919.6	793.1
51°	659.7	790.5	663.7	745.2	821.5	952.7	1039.2	1038.0	1018.5	926.7	798.5
52°	665.7	791.2	664.6	743.9	820.8	951.0	1038.3	1038.3	1020.6	933.8	802.4
53°	669.9	790.3	664.8	739.4	817.9	945.5	1037.4	1036.5	1020.5	936.7	804.5
54°	673.9	788.2	663.5	732.6	814.3	942.8	1032.6	1033.2	1019.5	937.7	805.9
55°	676.7	782.9	659.7	723.3	807.2	933.6	1022.6	1027.9	1016.3	937.6	807.6
56°	675.9	771.6	651.4	709.4	798.7	922.9	1014.0	1019.8	1011.6	936.0	809.2
57°	666.3	765.5	640.1	690.3	786.8	911.8	1002.6	1008.4	1004.0	932.4	807.4
58°	667.2	762.0	630.1	671.9	769.1	899.0	989.3	994.6	992.2	926.7	799.0
59°	664.9	750.5	619.3	652.4	743.9	879.2	970.6	977.9	975.5	911.5	782.3
60°	654.2	736.8	605.9	632.8	714.9	852.9	950.9	955.9	951.1	891.1	760.9
61°	640.6	714.6	589.0	605.2	679.0	819.2	919.2	926.8	920.7	863.5	733.0
62°	624.2	699.5	578.0	575.2	643.7	781.8	881.7	890.7	885.2	829.3	701.8
63°	604.5	678.6	559.5	543.5	607.9	739.4	838.8	850.2	843.9	789.3	667.3
64°	583.0	654.2	538.4	513.5	565.8	689.7	788.7	804.8	802.0	747.0	626.0
65°	560.3	631.3	515.5	481.0	524.8	637.8	735.2	753.8	751.9	702.2	583.0
66°	537.1	604.9	490.6	449.6	484.5	586.0	679.4	700.7	700.5	654.6	541.6
67°	512.5	576.5	467.0	419.6	444.3	537.8	624.5	644.6	651.4	604.7	501.1
68°	487.5	548.0	442.4	390.9	408.1	489.5	572.9	587.4	606.5	559.5	457.1
69°	457.0	511.4	417.0	363.4	371.0	438.8	522.8	535.2	560.4	514.2	412.3
70°	419.7	471.3	388.1	335.7	335.9	386.9	475.9	487.0	509.5	465.6	370.7
71°	381.6	432.5	352.7	307.9	300.9	336.7	425.1	439.7	455.5	417.1	329.7
72°	350.2	397.0	317.1	280.0	266.0	286.5	372.3	392.3	401.6	364.6	287.4
73°	318.4	365.5	281.7	248.9	238.4	236.5	320.8	343.1	348.0	317.7	249.7
74°	286.5	324.0	252.4	220.7	214.6	201.1	269.3	294.8	304.8	275.7	212.7
75°	254.5	282.4	219.2	193.3	188.0	168.5	224.0	255.1	265.8	233.7	177.3
76°	219.5	241.0	188.7	169.8	167.0	140.7	186.5	220.4	226.2	191.7	149.6
77°	187.6	206.4	158.7	148.9	149.1	119.6	158.6	190.1	189.9	155.0	129.6
78°	159.5	173.5	132.1	125.8	127.1	101.6	132.5	160.8	157.6	130.6	109.9
79°	133.3	145.9	108.6	104.9	108.6	87.7	110.4	135.9	133.1	106.1	90.1
80°	115.3	122.5	89.4	88.3	93.5	75.9	93.2	118.2	112.9	81.7	77.3
81°	99.9	103.0	72.8	74.6	78.6	65.0	80.2	100.7	92.8	67.7	65.7
82°	82.9	84.6	58.2	61.4	66.1	54.2	67.8	83.1	77.2	55.1	55.5
83°	67.5	68.6	47.4	50.3	54.7	45.3	57.0	69.2	63.5	43.2	46.9
84°	53.8	56.1	39.6	39.8	44.4	36.9	47.1	56.5	50.7	34.3	38.4
85°	42.1	43.5	31.8	31.9	34.4	28.4	36.4	43.0	38.3	27.5	31.4
86°	32.2	31.0	23.9	23.9	24.5	19.9	25.7	29.5	27.6	19.1	21.1
87°	22.4	18.4	16.0	15.9	14.6	11.6	15.0	15.6	16.1	14.5	12.6
88°	12.6	8.3	7.5	8.1	7.2	6.3	5.4	9.6	10.3	10.0	9.4
89°	7.8	3.4	5.9	6.2	6.0	5.2	4.3	3.8	4.5	5.5	6.2

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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	5.5	2.5	5.2	5.7	5.6	5.0	4.3	3.8	4.4	5.1	5.7
91°	5.2	2.5	5.1	5.5	5.5	4.9	4.3	3.8	4.3	5.0	5.6
92°	5.1	2.5	5.0	5.4	5.4	4.9	4.4	3.9	4.4	5.0	5.5
93°	4.9	2.5	4.7	5.2	5.3	4.9	4.4	3.9	4.4	5.0	5.3
94°	4.7	2.5	4.6	5.0	5.2	4.9	4.5	4.0	4.4	4.8	5.1
95°	4.7	2.5	4.6	5.0	5.1	4.8	4.5	4.1	4.4	4.7	5.0
96°	4.6	2.5	4.7	5.0	5.1	4.8	4.5	4.1	4.3	4.7	5.0
97°	4.6	2.6	4.7	5.0	5.1	4.8	4.5	4.2	4.3	4.7	5.0
98°	4.6	2.6	4.7	5.0	5.1	4.8	4.6	4.2	4.3	4.7	5.0
99°	4.6	2.6	4.7	5.0	5.1	4.9	4.6	4.2	4.4	4.7	5.0
100°	4.6	2.7	4.7	5.0	5.1	4.9	4.7	4.2	4.4	4.7	5.0
101°	4.6	2.7	4.7	5.0	5.1	4.9	4.7	4.3	4.5	4.8	4.9
102°	4.6	2.7	4.6	5.0	5.1	5.0	4.8	4.4	4.5	4.8	4.9
103°	4.5	2.8	4.6	5.0	5.1	5.0	4.8	4.5	4.6	4.8	4.9
104°	4.5	2.8	4.6	5.0	5.1	5.0	4.9	4.6	4.6	4.8	4.9
105°	4.4	2.9	4.5	4.9	5.1	5.1	5.0	4.7	4.7	4.8	4.9
106°	4.4	2.9	4.4	4.9	5.1	5.1	5.1	4.8	4.8	4.9	4.9
107°	4.3	3.0	4.4	4.8	5.1	5.1	5.2	4.9	4.9	4.9	4.8
108°	4.2	3.0	4.3	4.8	5.1	5.2	5.3	5.0	5.0	5.0	4.8
109°	4.2	3.1	4.2	4.7	5.1	5.3	5.4	5.2	5.1	5.0	4.8
110°	4.1	3.1	4.1	4.7	5.1	5.4	5.5	5.3	5.2	5.1	4.8
111°	4.1	3.2	4.1	4.7	5.2	5.4	5.6	5.4	5.3	5.1	4.8
112°	4.0	3.3	4.0	4.7	5.2	5.5	5.7	5.5	5.4	5.2	4.8
113°	4.0	3.3	4.0	4.7	5.3	5.6	5.8	5.7	5.5	5.3	4.9
114°	4.0	3.4	4.0	4.7	5.4	5.7	5.9	5.8	5.6	5.4	5.0
115°	3.9	3.5	4.0	4.8	5.4	5.8	6.1	6.0	5.7	5.5	5.1
116°	4.0	3.6	4.0	4.8	5.5	6.0	6.2	6.1	5.9	5.6	5.2
117°	4.0	3.7	4.0	4.9	5.6	6.1	6.3	6.3	6.0	5.7	5.3
118°	4.0	3.8	4.1	5.0	5.8	6.2	6.5	6.4	6.1	5.8	5.4
119°	4.0	3.8	4.1	5.1	5.9	6.4	6.6	6.5	6.3	6.0	5.5
120°	4.1	3.9	4.2	5.2	6.0	6.5	6.8	6.7	6.4	6.1	5.6
121°	4.1	4.0	4.2	5.2	6.1	6.6	6.8	6.7	6.5	6.2	5.7
122°	4.1	4.0	4.2	5.2	6.1	6.6	6.8	6.8	6.5	6.2	5.7
123°	4.1	4.0	4.1	5.2	6.1	6.6	6.8	6.7	6.5	6.2	5.7
124°	4.0	4.0	4.1	5.2	6.0	6.5	6.7	6.7	6.5	6.1	5.7
125°	4.0	3.9	4.0	5.1	5.9	6.4	6.6	6.6	6.4	6.1	5.6
126°	3.9	3.9	4.0	5.0	5.8	6.3	6.4	6.4	6.2	5.9	5.5
127°	3.8	3.8	3.8	4.9	5.7	6.1	6.3	6.2	6.1	5.8	5.4
128°	3.7	3.7	3.7	4.7	5.5	5.9	6.0	6.0	5.8	5.6	5.2
129°	3.6	3.6	3.6	4.5	5.3	5.6	5.8	5.7	5.6	5.4	5.0
130°	3.5	3.4	3.4	4.3	5.1	5.3	5.5	5.4	5.3	5.1	4.7
131°	3.3	3.2	3.2	4.1	4.8	5.0	5.1	5.0	5.0	4.8	4.5
132°	3.1	3.0	3.1	3.8	4.4	4.7	4.7	4.7	4.6	4.5	4.2
133°	2.9	2.8	2.8	3.5	4.0	4.3	4.3	4.3	4.2	4.1	3.8
134°	2.7	2.6	2.6	3.2	3.6	3.8	3.9	3.8	3.8	3.7	3.5

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CATALOG NUMBER: BOLY42-25S-BZ-20W-4000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	2.5	2.3	2.4	2.9	3.2	3.4	3.4	3.4	3.3	3.3	3.1
136°	2.3	2.1	2.2	2.6	2.8	2.9	3.0	2.9	2.9	2.9	2.7
137°	2.1	1.8	1.9	2.2	2.4	2.5	2.5	2.5	2.4	2.4	2.3
138°	1.9	1.6	1.7	1.9	2.0	2.1	2.1	2.1	2.0	2.0	2.0
139°	1.6	1.3	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.6
140°	1.4	1.2	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.3
141°	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.1
142°	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.0
143°	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0
144°	1.0	0.9	0.9	0.9	0.9	1.0	1.0	0.9	0.9	0.9	0.9
145°	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.9	0.8
146°	0.9	0.9	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8
147°	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7
148°	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.7	0.7	0.7	0.7
149°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
150°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
151°	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
152°	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5
153°	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
154°	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5
155°	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
156°	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4
157°	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
158°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
159°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4
160°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
161°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
162°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4
163°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4
164°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
165°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
166°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
167°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
168°	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
169°	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
170°	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
171°	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
172°	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
173°	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
174°	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
175°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
176°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
177°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
178°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
179°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4



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CANDELA DISTRIBUTION (continued):

180°	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

REPORT NUMBER: P1192944
CATALOG NUMBER: BOLY42-25S-BZ-20W-4000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	8.2	8.2	8.2
1°	7.2	7.0	6.9
2°	16.5	12.4	7.6
3°	25.8	21.2	17.4
4°	35.2	30.1	27.3
5°	41.7	38.9	37.2
6°	46.4	42.7	41.5
7°	49.0	47.5	44.8
8°	54.7	51.5	48.6
9°	58.2	55.3	52.5
10°	63.4	59.0	55.4
11°	75.2	67.2	60.8
12°	86.3	77.9	72.0
13°	96.0	84.6	80.8
14°	101.0	93.8	88.9
15°	108.0	101.0	95.1
16°	114.5	107.7	104.4
17°	122.9	115.3	110.1
18°	130.7	122.5	116.3
19°	145.6	130.6	124.2
20°	161.4	144.3	133.3
21°	169.3	153.9	143.4
22°	180.7	165.2	155.6
23°	189.3	172.7	165.9
24°	199.8	181.2	174.2
25°	212.0	191.3	182.4
26°	222.2	201.1	192.0
27°	229.3	209.3	202.9
28°	240.0	218.1	212.3
29°	250.1	229.4	222.6
30°	262.5	237.4	232.8
31°	271.4	249.0	241.5
32°	285.4	256.9	254.4
33°	303.0	274.9	268.4
34°	320.6	290.1	283.4
35°	338.3	311.5	306.5
36°	366.0	332.9	329.7
37°	395.4	354.3	352.9
38°	413.2	372.1	364.6
39°	422.9	394.3	394.1
40°	433.8	412.5	423.0
41°	469.2	437.5	456.9
42°	505.9	464.9	500.7
43°	522.1	499.9	528.1
44°	537.9	512.6	557.4

REPORT NUMBER: P1192944
CATALOG NUMBER: BOLY42-25S-BZ-20W-4000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	563.7	523.2	585.4
46°	579.7	531.8	611.7
47°	623.4	544.0	640.5
48°	645.3	560.0	654.2
49°	654.7	565.1	664.5
50°	666.4	570.7	674.4
51°	677.4	576.9	685.5
52°	686.4	582.4	695.7
53°	691.2	588.2	703.8
54°	692.7	592.8	711.3
55°	690.8	595.3	718.7
56°	688.4	596.6	723.3
57°	683.2	598.1	725.1
58°	676.8	599.1	727.8
59°	665.8	600.0	729.4
60°	651.7	598.9	724.5
61°	635.8	596.4	716.7
62°	614.6	591.5	708.0
63°	592.3	582.3	697.9
64°	567.7	569.9	686.2
65°	537.2	555.2	670.9
66°	506.5	536.0	654.7
67°	476.5	516.0	633.4
68°	443.6	493.0	602.8
69°	402.9	461.6	563.6
70°	364.1	424.8	523.1
71°	322.4	390.9	487.5
72°	290.7	351.7	457.3
73°	267.1	313.8	420.8
74°	240.2	284.8	370.4
75°	212.5	256.6	326.6
76°	189.1	224.8	288.8
77°	163.2	192.3	249.7
78°	141.9	156.9	211.2
79°	123.4	135.1	176.1
80°	105.0	113.6	149.5
81°	86.6	92.2	128.7
82°	69.2	75.7	108.0
83°	54.4	62.3	87.3
84°	44.2	50.5	65.2
85°	33.9	38.4	48.6
86°	24.6	28.5	34.8
87°	17.2	20.5	22.7
88°	13.4	15.5	15.8
89°	9.6	10.5	9.1

REPORT NUMBER: P1192944
CATALOG NUMBER: BOLY42-25S-BZ-20W-4000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	5.8	5.6	2.3
91°	5.6	5.3	2.1
92°	5.5	5.1	2.1
93°	5.2	4.7	2.2
94°	5.0	4.7	2.2
95°	5.0	4.6	2.2
96°	4.9	4.6	2.2
97°	4.9	4.5	2.3
98°	4.9	4.5	2.3
99°	4.8	4.5	2.4
100°	4.8	4.4	2.4
101°	4.8	4.4	2.5
102°	4.8	4.4	2.5
103°	4.7	4.3	2.5
104°	4.7	4.3	2.6
105°	4.7	4.3	2.6
106°	4.6	4.1	2.7
107°	4.5	4.0	2.8
108°	4.4	3.9	2.8
109°	4.3	3.9	2.9
110°	4.3	3.8	3.0
111°	4.3	3.8	3.0
112°	4.3	3.8	3.1
113°	4.3	3.8	3.2
114°	4.4	3.8	3.3
115°	4.4	3.8	3.4
116°	4.5	3.8	3.4
117°	4.5	3.8	3.5
118°	4.6	3.9	3.6
119°	4.7	3.9	3.7
120°	4.8	3.9	3.8
121°	4.8	4.0	3.9
122°	4.8	4.0	3.9
123°	4.8	4.0	3.9
124°	4.8	3.9	3.9
125°	4.7	3.9	3.9
126°	4.6	3.8	3.8
127°	4.5	3.7	3.8
128°	4.4	3.6	3.7
129°	4.2	3.5	3.5
130°	4.0	3.3	3.4
131°	3.8	3.1	3.2
132°	3.6	2.9	3.0
133°	3.3	2.7	2.8
134°	3.0	2.5	2.6

REPORT NUMBER: P1192944
CATALOG NUMBER: BOLY42-25S-BZ-20W-4000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	2.7	2.3	2.3
136°	2.4	2.0	2.1
137°	2.1	1.8	1.8
138°	1.8	1.6	1.6
139°	1.6	1.4	1.4
140°	1.3	1.2	1.2
141°	1.1	1.1	1.1
142°	1.0	1.0	1.0
143°	0.9	0.9	1.0
144°	0.9	0.9	0.9
145°	0.8	0.8	0.8
146°	0.8	0.8	0.8
147°	0.7	0.7	0.7
148°	0.7	0.7	0.7
149°	0.6	0.6	0.7
150°	0.6	0.6	0.6
151°	0.6	0.6	0.6
152°	0.5	0.5	0.6
153°	0.5	0.5	0.5
154°	0.5	0.5	0.5
155°	0.4	0.5	0.5
156°	0.4	0.4	0.5
157°	0.4	0.4	0.5
158°	0.4	0.4	0.4
159°	0.4	0.4	0.4
160°	0.4	0.4	0.4
161°	0.4	0.4	0.4
162°	0.4	0.4	0.4
163°	0.4	0.4	0.4
164°	0.4	0.4	0.4
165°	0.4	0.4	0.4
166°	0.4	0.4	0.4
167°	0.4	0.4	0.4
168°	0.4	0.4	0.4
169°	0.4	0.4	0.4
170°	0.4	0.4	0.4
171°	0.4	0.4	0.4
172°	0.4	0.4	0.4
173°	0.4	0.4	0.4
174°	0.4	0.4	0.4
175°	0.4	0.4	0.4
176°	0.4	0.4	0.4
177°	0.4	0.4	0.4
178°	0.4	0.4	0.4
179°	0.4	0.4	0.4

REPORT NUMBER: P1192944
CATALOG NUMBER: BOLY42-25S-BZ-20W-4000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.4	0.4	0.4

(END OF REPORT)