

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: McGRAW-EDISON

Report Number: P146214

Luminaire Tested: **VPL-F02-LED-E1-CPR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P146214
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33704)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VPL-F02-LED-E1-CPR-7030
Description: VALET LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° FORWARD THROW PERIMETER RIGHT
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4061.7 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

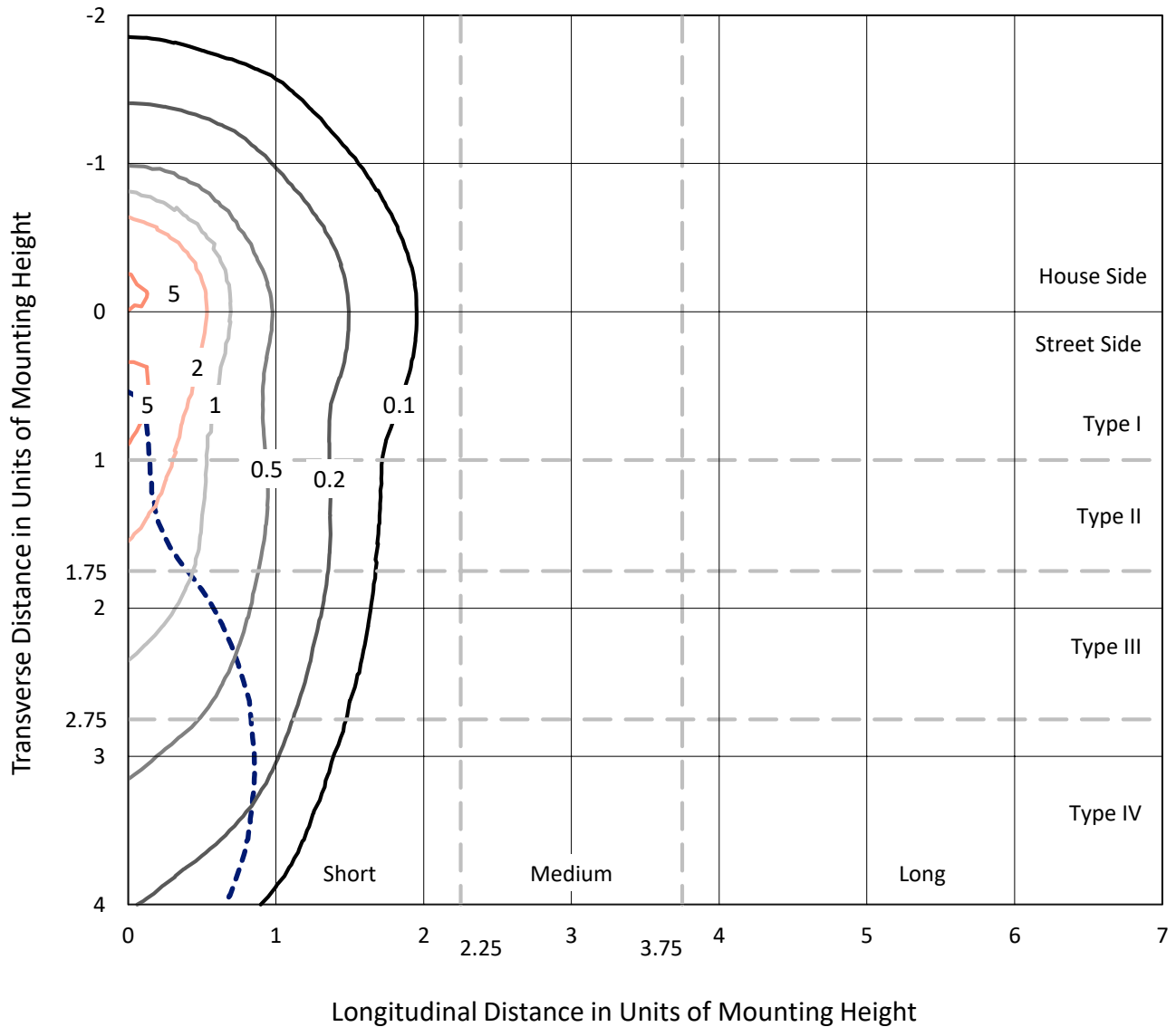
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

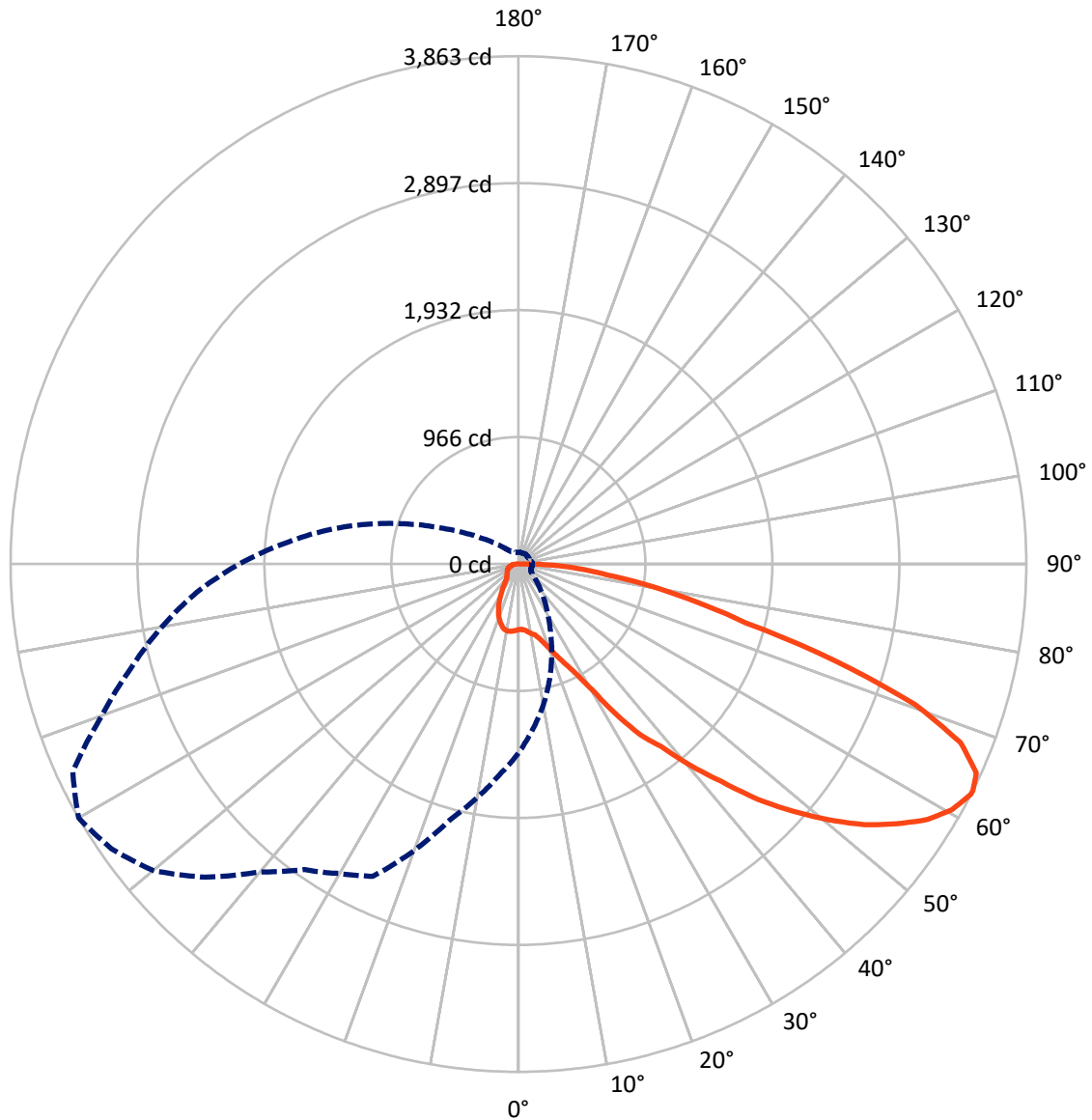
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	850.2	0.0	850.2
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	3211.4	0.0	3211.4
	% Fixture	79.1	0.0	79.1
Total	Lumens	4061.7	0.0	4061.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	1.2
10°-20°	152.9	3.8
20°-30°	270.4	6.7
30°-40°	426.9	10.5
40°-50°	627.7	15.5
50°-60°	826.9	20.4
60°-70°	921.7	22.7
70°-80°	605.6	14.9
80°-90°	180.6	4.4
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°	4061.7	100.0
0°-180°	4061.7	100.0

Coefficient of Utilization



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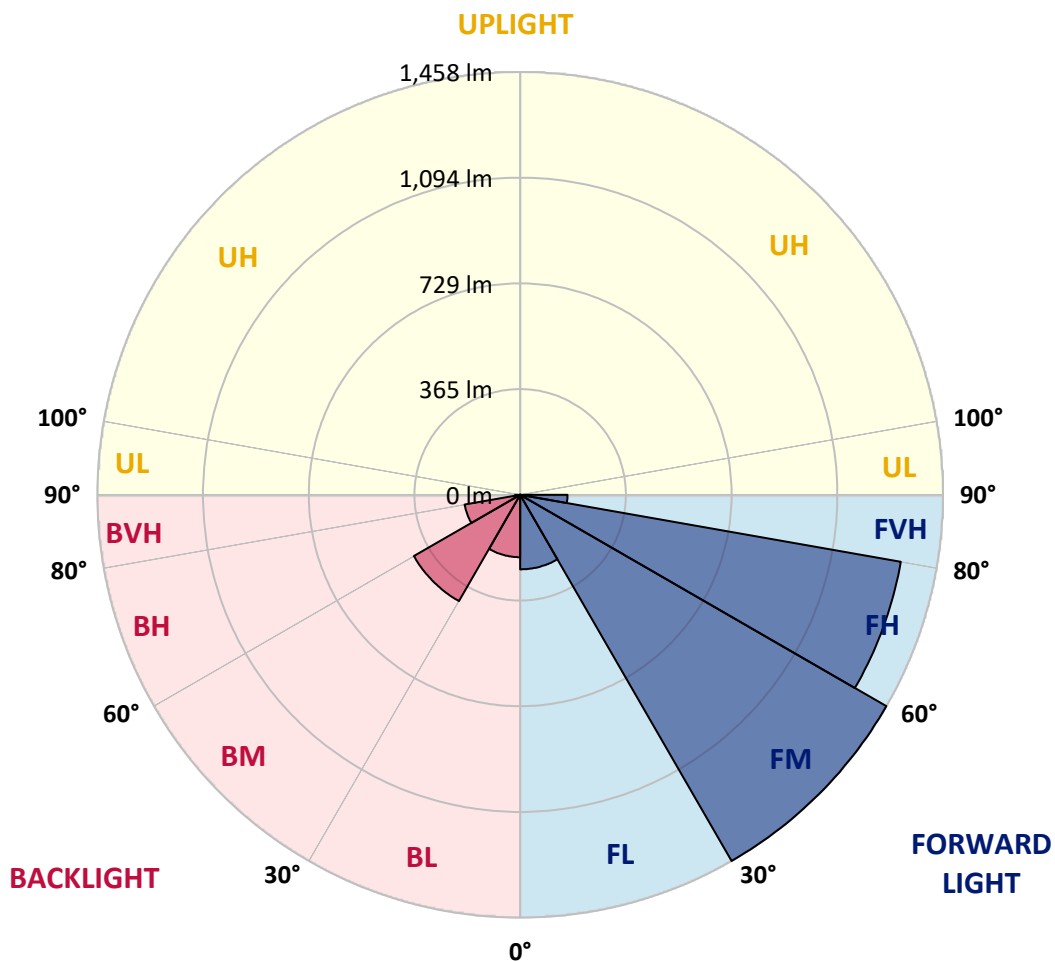
CATALOG NUMBER: VPL-F02-LED-E1-CPR-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	257.1	6.3			
FM	(30°-60°)	1458.2	35.9			
FH	(60°-80°)	1332.9	32.8			G1/1800
FVH	(80°-90°)	163.2	4.0			G2/225
BL	(0°-30°)	215.2	5.3	B1/500		
BM	(30°-60°)	423.3	10.4	B1/1000		
BH	(60°-80°)	194.3	4.8	B1/500		G1/500
BVH	(80°-90°)	17.4	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8
2.5°	498.2	499.1	499.1	498.2	499.1	498.8	498.8	499.7	500.0	501.6	500.7
5°	495.8	496.1	496.4	495.8	496.1	496.1	496.7	497.6	497.9	499.7	498.8
7.5°	493.1	493.7	492.5	492.8	493.7	494.9	494.9	496.1	498.2	499.1	498.8
10°	494.6	494.0	493.1	492.8	493.4	493.7	494.3	496.4	498.2	499.1	500.7
12.5°	506.4	504.6	503.7	503.4	503.7	503.1	505.2	505.8	506.4	507.6	507.0
15°	528.7	526.3	524.8	523.3	526.6	525.1	525.1	523.3	520.3	515.7	510.0
17.5°	559.8	557.1	555.8	555.2	555.5	552.8	547.4	538.7	528.1	516.0	504.9
20°	604.4	608.6	606.8	598.7	595.7	583.6	566.4	548.3	529.9	510.6	492.2
22.5°	681.6	679.2	671.1	650.8	632.8	605.6	574.8	545.6	518.4	490.4	466.3
25°	771.2	751.0	728.1	688.2	646.6	602.0	557.7	523.0	486.8	456.0	427.1
27.5°	881.0	837.2	778.7	713.9	651.8	592.3	539.9	494.0	452.7	419.8	387.6
30°	988.9	916.0	834.5	748.6	664.7	584.5	515.1	462.0	414.4	372.2	339.6
32.5°	1063.7	975.4	874.0	767.9	665.9	571.8	488.0	424.6	371.0	328.4	289.2
35°	1125.3	1014.9	887.9	764.9	646.6	542.3	449.1	378.8	321.8	277.8	243.4
37.5°	1167.5	1035.1	887.0	747.4	612.2	495.2	404.4	333.0	279.9	238.9	207.2
40°	1197.0	1041.4	875.2	717.5	572.7	449.7	356.8	291.6	245.2	213.2	190.3
42.5°	1211.2	1037.2	857.7	689.2	533.5	412.9	320.9	263.9	226.2	202.1	185.2
45°	1217.2	1026.9	838.1	661.4	501.6	381.2	302.5	255.5	225.9	205.1	186.7
47.5°	1215.7	1015.8	820.6	638.5	482.6	372.8	306.1	266.9	237.1	211.1	187.6
50°	1211.5	1005.5	809.5	630.0	482.3	385.4	326.3	286.2	250.0	216.5	186.7
52.5°	1211.2	1004.6	815.5	640.0	499.7	414.1	356.8	308.5	262.7	222.6	187.0
55°	1218.5	1020.9	841.2	666.8	542.0	454.2	391.2	332.4	276.9	226.8	186.1
57.5°	1247.7	1061.6	889.7	726.8	596.3	503.1	424.3	350.2	282.3	225.6	181.9
60°	1311.9	1133.1	964.5	811.6	665.9	547.7	444.0	356.2	279.9	218.4	172.8
62.5°	1412.1	1236.5	1067.1	894.8	727.8	574.5	448.5	351.4	270.2	206.3	161.7
63°	1437.7	1260.4	1087.9	912.0	738.3	577.3	448.2	349.6	267.5	203.3	158.9
65°	1544.8	1362.6	1171.4	968.7	766.7	582.7	441.2	338.1	255.5	189.1	146.6
67.5°	1705.8	1475.4	1254.3	1021.5	782.3	573.0	419.5	309.7	224.4	164.4	128.2
70°	1813.2	1550.2	1303.8	1038.7	763.9	529.0	369.8	259.7	183.4	135.4	109.5
72.5°	1815.9	1483.3	1236.9	949.4	659.6	436.4	289.5	196.3	142.7	110.1	94.4
75°	1622.0	1253.4	1011.0	779.6	507.6	308.5	203.6	143.3	109.5	90.8	81.7
77.5°	1205.8	914.4	729.6	524.5	329.6	200.0	141.8	106.2	86.9	75.1	68.5
80°	748.3	571.5	442.7	313.7	197.5	133.0	103.7	84.4	73.0	62.7	57.3
82.5°	451.2	320.0	250.0	189.4	126.4	95.9	79.9	71.2	61.8	52.8	48.6
85°	330.6	228.9	167.7	117.0	78.1	63.3	56.1	54.3	48.0	40.7	38.3
87.5°	104.1	109.2	113.4	69.1	37.7	28.7	24.4	28.7	27.4	19.3	21.1
90°	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8
2.5°	502.2	503.4	502.5	502.5	501.9	501.6	503.7	503.1	503.7	503.4	504.0
5°	500.4	501.3	500.7	501.3	500.7	500.7	503.4	503.4	504.6	505.2	506.7
7.5°	501.0	501.3	501.0	501.9	501.3	500.7	502.2	503.1	505.2	507.0	508.5
10°	503.1	504.0	503.7	503.7	501.9	500.7	501.6	502.2	504.3	505.2	507.0
12.5°	508.2	507.0	504.6	503.1	498.8	496.4	495.2	494.6	496.1	497.3	498.2
15°	507.0	500.4	494.9	490.4	484.1	480.1	477.1	476.8	477.1	477.4	478.3
17.5°	494.6	485.6	474.7	469.0	461.7	457.5	455.4	453.9	453.6	454.2	455.7
20°	476.8	463.6	451.5	441.5	433.7	427.1	428.6	425.3	426.8	427.7	430.4
22.5°	449.7	431.3	417.4	405.3	396.0	389.1	389.1	386.0	386.6	389.4	393.0
25°	405.6	388.5	368.6	360.1	349.6	344.7	343.8	343.2	345.6	348.9	351.1
27.5°	365.8	342.3	322.7	311.6	300.4	301.6	295.6	299.2	301.9	304.6	307.0
30°	312.2	292.9	275.1	263.9	250.6	250.9	251.8	252.4	254.8	258.5	263.3
32.5°	260.6	239.8	223.2	211.1	203.3	200.9	197.5	203.0	206.0	209.6	214.4
35°	218.1	196.3	182.5	171.9	167.4	164.1	163.2	162.6	165.3	167.1	171.0
37.5°	187.6	172.8	162.6	155.0	150.8	147.2	146.3	145.7	145.4	144.8	147.2
40°	175.2	163.5	154.7	147.8	143.9	141.8	140.8	139.6	138.4	136.9	136.6
42.5°	171.6	158.9	148.7	141.8	138.7	138.4	138.4	137.8	136.6	134.5	133.0
45°	170.1	154.7	143.0	137.5	135.4	135.7	135.7	135.7	134.8	132.7	130.3
47.5°	167.4	149.6	137.5	133.0	132.1	132.7	133.3	133.3	132.7	130.9	128.2
50°	162.3	141.8	129.1	124.9	124.6	124.9	124.9	125.5	124.9	123.4	120.9
52.5°	158.3	135.7	122.8	119.4	119.4	119.1	118.8	118.8	118.5	117.3	115.5
55°	154.7	131.8	120.0	117.3	117.9	117.9	117.3	117.0	115.8	114.3	112.5
57.5°	149.6	127.6	117.3	115.5	116.1	115.8	115.5	115.2	114.0	112.2	109.8
60°	140.5	120.0	111.9	110.7	111.6	111.9	113.1	113.4	112.8	110.7	107.4
62.5°	130.6	110.7	104.7	103.7	104.7	105.6	106.5	105.9	105.9	103.7	100.7
63°	127.3	109.2	102.5	102.5	103.4	104.4	105.0	104.4	104.7	102.2	99.2
65°	119.7	103.7	98.6	98.9	99.8	100.4	100.7	100.7	100.4	98.6	95.9
67.5°	107.1	95.9	92.9	94.4	95.6	95.9	95.9	96.5	95.9	94.7	92.3
70°	95.6	88.4	86.3	88.1	88.7	89.0	89.0	89.0	88.4	87.2	85.1
72.5°	86.9	83.2	82.9	82.6	82.9	82.0	82.0	81.4	79.9	79.0	77.2
75°	77.2	75.4	75.7	75.4	74.8	74.5	73.0	72.4	70.6	69.4	67.0
77.5°	66.4	66.7	66.4	66.7	67.3	67.6	65.4	63.9	62.4	61.2	60.0
80°	55.2	55.8	55.2	55.8	56.1	56.1	54.0	51.6	50.4	51.3	51.6
82.5°	49.2	49.2	46.7	47.4	46.7	45.8	44.3	43.4	42.5	41.9	43.4
85°	38.9	39.2	39.8	39.2	38.0	37.1	35.6	34.4	33.5	34.4	36.5
87.5°	23.2	25.0	24.1	24.1	23.8	23.8	22.6	22.0	21.1	24.7	26.5
90°	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8
2.5°	503.7	504.6	504.9	504.6	504.9	505.5	503.1	505.5	505.8	504.0	504.6
5°	507.9	509.4	511.5	511.5	513.0	513.9	512.7	516.0	516.6	516.3	517.8
7.5°	510.9	513.0	515.7	517.2	520.0	521.2	522.1	525.1	525.7	526.9	528.1
10°	510.6	513.6	516.0	520.3	523.6	526.0	527.8	531.1	532.3	534.1	535.0
12.5°	501.9	505.2	509.7	515.7	521.8	525.7	530.5	535.3	537.1	539.6	541.1
15°	482.3	485.0	491.3	499.1	507.3	517.2	524.2	531.7	535.0	537.4	539.6
17.5°	456.6	459.0	464.8	471.7	482.6	492.2	502.8	514.2	520.0	522.7	523.6
20°	432.8	436.4	437.9	446.1	449.7	459.3	468.4	481.0	488.3	493.1	496.1
22.5°	395.4	397.2	405.0	408.4	411.1	417.1	428.3	439.4	449.1	456.9	459.3
25°	354.1	358.9	363.1	365.8	372.2	372.5	381.5	389.4	401.4	409.0	415.0
27.5°	308.5	315.8	318.2	320.0	324.8	330.6	333.9	341.7	348.6	357.4	368.3
30°	262.7	269.6	274.5	277.2	281.7	287.1	289.5	294.7	303.7	313.4	321.8
32.5°	219.9	227.1	229.5	238.3	239.5	244.6	246.4	254.5	259.7	267.8	277.8
35°	177.9	185.5	192.7	197.5	203.0	202.7	207.5	215.0	219.6	228.0	234.6
37.5°	149.3	153.8	158.9	164.4	170.4	174.9	179.5	182.8	186.4	192.1	198.1
40°	136.6	137.8	139.9	143.3	147.5	150.8	154.1	156.8	159.5	164.1	168.0
42.5°	131.5	130.6	130.6	130.0	131.5	133.3	136.0	136.9	141.1	143.9	145.4
45°	127.9	125.8	124.3	122.4	121.8	122.4	124.0	126.1	128.8	129.7	129.7
47.5°	125.8	122.4	120.0	117.3	115.8	115.8	116.7	118.2	119.7	120.0	119.7
50°	118.5	115.2	112.2	109.8	108.6	108.6	108.9	111.0	111.3	110.7	111.0
52.5°	113.1	109.8	106.8	104.7	103.1	103.4	104.4	105.3	106.2	105.6	105.0
55°	109.8	105.9	103.1	100.7	98.9	99.5	100.4	101.6	103.1	102.2	101.3
57.5°	106.8	103.4	100.1	97.7	95.6	96.2	97.1	98.9	100.7	98.9	97.7
60°	104.1	100.7	97.4	95.0	92.6	93.2	94.4	96.2	97.7	95.3	93.8
62.5°	97.4	94.4	92.0	90.8	89.3	90.2	91.1	93.2	92.6	90.2	88.4
63°	96.2	93.2	91.1	89.9	88.7	89.9	90.2	92.3	91.4	89.0	87.5
65°	92.6	90.2	88.1	86.9	85.7	86.3	86.3	87.2	86.0	84.1	82.9
67.5°	89.3	86.6	84.4	82.0	80.8	80.2	79.9	79.6	78.7	77.8	77.5
70°	82.0	80.2	78.4	76.3	74.5	73.3	72.7	72.1	71.5	71.2	70.9
72.5°	74.2	72.7	70.9	69.7	68.2	67.3	65.7	65.4	64.8	64.2	63.9
75°	65.7	63.9	63.3	62.1	61.2	60.6	59.4	59.1	58.5	57.6	57.3
77.5°	58.2	57.6	56.7	56.4	54.9	54.0	53.4	53.1	52.5	51.9	51.3
80°	51.9	51.6	51.0	50.7	49.8	48.6	48.0	48.3	47.4	47.0	46.1
82.5°	46.7	47.0	47.0	46.1	45.2	43.7	43.1	44.0	43.4	42.2	41.0
85°	39.8	39.5	39.8	39.5	37.7	36.2	35.6	36.2	35.9	34.1	33.8
87.5°	28.4	28.0	27.4	29.3	26.8	21.7	22.3	25.3	24.4	23.5	22.9
90°	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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8
2.5°	505.8	504.9	505.5	505.8	504.9	507.0	504.9	505.2	505.8	504.0	503.7
5°	519.0	519.0	521.5	521.8	521.5	524.2	523.9	524.2	523.6	523.3	522.1
7.5°	529.9	531.1	532.9	535.6	536.5	538.7	539.3	539.6	540.8	542.0	541.4
10°	537.7	541.1	542.6	545.3	548.0	549.5	551.0	553.4	554.3	555.2	554.0
12.5°	543.2	547.1	549.5	552.8	556.1	558.6	561.3	564.3	567.3	568.2	566.7
15°	540.5	545.0	548.6	552.2	557.4	561.9	567.0	572.4	576.4	577.9	576.1
17.5°	523.6	528.1	533.5	539.0	544.4	552.8	560.1	569.1	575.4	580.0	580.6
20°	500.4	503.1	510.9	516.3	525.1	535.0	545.9	556.4	563.7	571.8	576.7
22.5°	466.0	471.4	480.1	489.5	498.2	511.2	522.7	536.5	548.9	560.1	570.6
25°	424.0	431.6	441.8	454.8	466.3	480.1	496.7	512.1	532.9	550.4	573.0
27.5°	378.8	392.7	406.9	420.4	433.1	448.8	466.0	483.2	507.0	535.0	564.6
30°	336.0	347.4	365.2	380.9	395.7	415.0	432.8	451.8	474.4	507.6	541.1
32.5°	291.3	300.7	314.6	333.9	351.1	373.7	389.4	412.0	438.2	473.2	511.2
35°	245.2	258.2	269.3	282.6	295.6	318.2	341.7	366.7	396.9	434.3	475.9
37.5°	204.5	212.6	218.1	231.6	243.1	262.4	289.8	320.0	353.2	391.2	435.8
40°	170.7	175.8	181.9	190.9	200.6	218.1	243.4	277.2	311.9	349.9	394.5
42.5°	147.5	150.8	151.4	158.3	167.4	184.6	204.8	235.8	274.2	314.0	358.6
45°	131.5	131.5	131.2	134.2	141.4	156.2	174.6	202.4	238.9	280.5	326.9
47.5°	120.3	121.2	120.9	122.1	127.0	137.8	154.4	177.9	211.1	251.8	298.6
50°	111.9	113.1	113.4	113.7	115.5	124.6	138.7	157.7	187.3	226.2	273.2
52.5°	105.3	105.6	105.6	105.3	105.9	111.0	122.8	140.2	167.7	202.7	247.9
55°	101.6	101.9	101.9	101.9	101.9	105.3	113.7	127.9	149.9	182.8	223.8
57.5°	97.4	97.4	98.0	98.0	98.0	99.2	105.3	117.0	133.9	160.1	196.6
60°	93.8	94.7	95.9	96.2	95.9	95.9	98.9	106.8	117.9	136.9	167.7
62.5°	88.4	89.6	91.1	91.7	92.0	91.4	92.9	96.2	102.8	112.8	133.6
63°	87.5	88.7	89.9	90.5	90.8	90.2	91.4	94.1	99.5	107.7	126.4
65°	83.5	85.1	85.4	85.7	85.4	85.1	84.7	84.7	86.3	89.3	99.2
67.5°	78.1	79.0	79.0	79.6	78.1	77.5	76.9	76.3	75.4	75.7	79.3
70°	71.8	72.4	72.1	71.8	71.2	70.3	69.7	68.8	67.0	66.4	68.2
72.5°	64.5	65.1	65.1	65.1	63.9	63.3	62.7	62.1	61.5	62.1	62.7
75°	57.9	57.9	58.5	58.2	57.3	56.7	56.4	56.1	56.1	56.1	55.8
77.5°	51.6	51.3	51.3	50.4	49.8	49.5	50.1	50.4	50.1	49.5	49.2
80°	46.1	44.6	43.1	41.9	41.6	42.2	42.8	44.6	43.7	43.7	43.1
82.5°	39.2	35.9	33.8	34.1	33.2	33.5	34.1	36.2	35.6	35.9	37.1
85°	31.4	28.4	25.0	25.6	25.6	25.0	26.5	27.1	27.7	29.3	28.0
87.5°	22.0	19.3	16.0	13.9	14.5	15.1	15.7	15.1	13.3	13.9	13.6
90°	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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8
2.5°	503.1	503.4	503.4	501.3	500.7	501.3	501.0	501.0	499.1	499.4	498.8
5°	521.5	522.1	520.3	518.7	516.6	516.3	516.0	514.8	513.6	511.2	510.0
7.5°	541.1	538.4	537.7	535.0	534.1	531.7	529.9	528.1	526.6	525.4	524.5
10°	553.4	551.3	550.7	545.9	544.4	541.4	539.6	537.4	535.6	533.8	533.5
12.5°	564.6	561.0	558.9	552.2	549.2	545.9	544.4	542.6	542.0	541.7	542.9
15°	573.3	568.2	564.3	558.3	555.8	554.0	554.3	553.4	557.1	559.2	563.1
17.5°	579.1	577.0	576.1	571.5	573.0	573.0	577.3	579.4	586.0	591.4	596.9
20°	582.1	586.0	593.5	595.1	598.7	602.6	608.9	612.5	619.5	627.3	634.9
22.5°	584.8	601.4	616.8	628.2	636.4	645.4	649.9	657.5	662.3	668.0	679.5
25°	599.9	627.6	654.8	669.5	688.8	701.8	712.1	719.6	728.1	732.9	745.9
27.5°	595.7	630.9	667.1	694.3	724.4	748.9	770.6	785.1	795.9	813.4	824.3
30°	576.4	617.4	661.1	699.7	741.9	781.7	819.4	853.2	882.2	905.7	921.7
32.5°	548.9	596.0	647.2	694.9	748.9	801.9	856.2	907.8	957.0	995.9	1020.3
35°	518.1	568.8	625.5	681.9	746.8	816.1	889.4	958.8	1030.0	1092.1	1140.9
37.5°	480.7	535.6	597.8	663.2	737.7	820.9	913.2	1007.6	1098.4	1192.5	1261.3
40°	441.5	495.2	559.8	634.6	720.5	818.5	931.6	1054.1	1185.6	1306.8	1411.5
42.5°	408.1	460.5	528.1	602.0	694.6	809.5	944.0	1095.7	1257.7	1414.8	1553.8
45°	375.2	431.3	499.4	577.6	678.6	805.9	960.0	1131.9	1316.8	1503.2	1680.5
47.5°	349.2	404.7	473.5	557.4	665.6	803.8	975.1	1165.7	1365.0	1568.9	1779.1
50°	324.5	377.6	444.6	532.9	652.1	800.4	984.1	1192.5	1402.7	1620.5	1849.1
52.5°	299.2	354.4	419.5	505.2	634.3	793.8	986.8	1213.6	1441.6	1669.9	1914.5
55°	273.5	328.7	393.9	482.6	610.1	780.8	984.7	1229.0	1482.4	1722.1	1974.3
57.5°	242.2	296.5	364.6	453.9	579.1	754.9	974.5	1235.6	1507.7	1771.0	2034.3
60°	206.9	258.2	322.7	413.8	541.1	717.5	951.5	1226.3	1519.1	1803.3	2097.9
62.5°	162.6	207.2	266.6	357.1	485.9	663.5	901.5	1185.0	1491.4	1795.1	2125.4
63°	152.6	195.7	257.0	342.0	469.6	644.8	886.7	1170.8	1479.0	1787.6	2122.0
65°	116.4	148.4	199.1	275.1	396.9	558.6	808.9	1090.6	1401.2	1712.5	2069.9
67.5°	86.0	102.5	133.6	184.6	279.3	434.6	662.9	941.9	1235.9	1528.5	1892.2
70°	71.2	77.5	92.0	118.2	172.8	288.3	468.4	716.9	993.5	1245.3	1573.7
72.5°	63.6	68.2	74.8	86.6	109.2	169.2	304.6	465.4	691.9	909.6	1187.1
75°	57.0	60.0	65.4	72.4	82.6	105.9	161.1	276.0	422.8	612.8	814.3
77.5°	50.1	53.1	58.5	63.9	70.6	80.5	99.8	157.1	253.0	357.7	499.7
80°	43.4	44.9	49.5	57.3	62.1	70.3	76.6	98.3	137.8	187.3	266.3
82.5°	35.9	36.2	39.2	45.2	51.3	54.3	56.1	61.8	79.3	98.9	130.6
85°	25.6	24.4	26.2	28.7	33.5	30.8	32.9	34.7	42.2	51.0	93.5
87.5°	11.5	9.0	10.6	11.8	10.6	7.2	10.6	8.7	10.9	21.4	24.1
90°	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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	0°
2.5°	499.4	497.6	497.6	497.3	497.6	497.0	495.8	495.8	496.7	496.4	496.4	2.5°
5°	510.0	507.6	507.0	506.7	506.7	505.2	503.4	502.5	502.2	501.0	500.0	5°
7.5°	523.9	522.4	523.3	521.5	520.9	520.6	518.1	516.3	513.6	512.4	507.9	7.5°
10°	535.3	534.4	536.8	536.5	536.8	536.8	533.5	531.7	527.8	525.7	520.0	10°
12.5°	545.3	545.9	550.4	550.4	551.3	552.5	550.7	546.8	545.3	543.2	537.1	12.5°
15°	570.6	573.0	576.4	581.8	583.3	583.6	585.1	581.8	577.9	572.4	565.2	15°
17.5°	605.0	609.8	621.0	628.8	630.3	631.8	630.9	630.3	623.1	618.6	611.0	17.5°
20°	648.1	659.9	675.6	686.4	691.3	691.9	697.9	693.7	687.0	678.0	667.1	20°
22.5°	696.4	716.0	735.9	751.9	761.2	765.5	771.8	765.8	757.0	751.6	737.1	22.5°
25°	762.4	783.9	806.8	819.4	843.3	850.2	853.8	852.0	843.0	846.9	833.6	25°
27.5°	852.9	871.3	903.6	919.6	941.9	954.9	952.1	967.2	969.9	979.3	980.8	27.5°
30°	951.5	982.0	1025.4	1057.7	1091.8	1113.8	1131.3	1144.6	1159.9	1185.9	1201.6	30°
32.5°	1058.0	1102.0	1157.5	1226.0	1298.4	1357.5	1424.1	1435.6	1470.0	1460.0	1453.4	32.5°
35°	1176.5	1232.0	1303.2	1393.1	1498.3	1596.1	1660.3	1692.6	1706.1	1713.7	1667.8	35°
37.5°	1335.2	1410.3	1489.6	1587.6	1668.1	1759.5	1833.4	1913.6	1950.4	1932.9	1845.2	37.5°
40°	1511.0	1581.3	1688.6	1768.9	1863.9	2014.4	2114.5	2211.0	2241.2	2183.0	2045.4	40°
42.5°	1687.4	1783.9	1900.4	2014.4	2123.5	2259.9	2392.6	2487.9	2521.1	2421.5	2258.4	42.5°
45°	1844.6	1968.2	2105.1	2222.2	2374.8	2553.0	2715.6	2792.2	2786.2	2626.3	2442.6	45°
47.5°	1981.5	2141.9	2296.4	2454.1	2607.9	2809.1	2970.1	3058.2	2995.8	2827.8	2619.7	47.5°
50°	2094.6	2288.5	2474.9	2656.2	2845.0	3058.8	3214.1	3295.6	3200.6	2987.9	2755.4	50°
52.5°	2180.5	2420.9	2635.7	2838.3	3063.9	3295.0	3433.1	3482.2	3334.2	3111.9	2857.0	52.5°
55°	2261.7	2533.4	2771.1	3001.2	3282.0	3489.2	3618.6	3609.5	3418.3	3165.9	2920.7	55°
57.5°	2322.9	2629.3	2882.4	3144.5	3447.0	3668.3	3743.1	3683.4	3453.3	3181.9	2939.1	57.5°
60°	2400.1	2704.1	2981.3	3273.8	3603.8	3791.1	3801.0	3694.0	3443.3	3151.7	2913.1	60°
62.5°	2449.6	2750.9	3044.3	3362.5	3723.2	3860.1	3789.0	3648.4	3386.0	3077.2	2853.7	62.5°
63°	2454.4	2755.4	3049.5	3371.3	3740.1	3863.2	3777.8	3627.9	3369.1	3056.7	2838.0	63°
65°	2432.7	2742.4	3025.9	3355.6	3744.3	3827.6	3696.1	3543.8	3276.0	2952.0	2745.7	65°
67.5°	2281.0	2603.1	2873.6	3182.8	3581.5	3627.6	3495.8	3330.2	3078.7	2726.4	2544.0	67.5°
70°	2009.2	2315.4	2507.2	2794.3	3145.1	3200.2	3082.3	2954.1	2730.7	2436.3	2284.9	70°
72.5°	1618.7	1919.4	2034.6	2254.4	2533.1	2521.1	2438.1	2422.1	2304.5	2057.5	1966.4	72.5°
75°	1210.0	1496.2	1544.8	1634.4	1790.0	1786.1	1805.4	1874.1	1932.9	1787.0	1670.2	75°
77.5°	798.0	1082.7	1112.9	1217.2	1260.4	1378.6	1517.3	1690.2	1775.8	1716.1	1572.8	77.5°
80°	441.5	740.7	734.7	775.4	851.7	1023.6	1233.8	1490.5	1661.8	1619.0	1462.1	80°
82.5°	229.5	468.1	461.1	468.4	539.3	683.7	843.6	1053.5	1230.5	1234.4	1181.7	82.5°
85°	170.7	336.0	355.9	372.2	419.2	469.6	498.8	566.1	663.2	753.7	786.0	85°
87.5°	62.7	201.8	251.2	269.9	271.1	264.8	215.6	237.4	215.9	255.5	356.8	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
498.8	498.8	498.8	498.8	498.8	498.8	498.8
497.0	497.0	496.7	497.3	497.6	498.5	498.2
499.1	498.2	497.3	496.7	496.1	496.4	495.8
504.6	501.6	499.1	497.0	495.2	494.9	493.1
516.6	511.2	506.7	503.4	499.7	497.9	494.6
532.0	526.0	520.3	515.4	511.2	508.8	506.4
558.9	550.1	543.2	538.0	533.8	531.1	528.7
598.7	587.8	577.3	567.3	566.1	559.8	559.8
653.6	638.8	625.2	616.8	612.8	604.4	604.4
729.6	715.1	694.9	684.6	685.5	678.3	681.6
827.9	815.8	795.0	790.8	790.8	782.9	771.2
975.4	971.1	948.2	954.0	941.9	912.6	881.0
1194.3	1194.3	1150.0	1118.0	1090.3	1044.7	988.9
1413.6	1384.9	1317.1	1262.8	1205.2	1135.5	1063.7
1598.8	1522.5	1453.7	1387.3	1300.8	1226.0	1125.3
1755.0	1682.6	1603.9	1502.9	1401.2	1296.9	1167.5
1948.6	1860.6	1742.3	1615.4	1490.5	1346.9	1197.0
2125.7	2015.3	1866.0	1705.2	1546.3	1386.1	1211.2
2292.1	2149.8	1965.5	1772.5	1591.5	1410.3	1217.2
2449.0	2258.1	2043.6	1820.4	1622.6	1423.2	1215.7
2552.4	2337.4	2092.8	1849.4	1641.3	1427.8	1211.5
2617.3	2385.9	2121.7	1865.4	1650.6	1428.7	1211.2
2653.8	2413.4	2137.4	1876.5	1660.9	1434.1	1218.5
2682.1	2435.1	2154.9	1895.5	1685.3	1459.4	1247.7
2708.9	2492.1	2200.5	1930.5	1727.9	1506.8	1311.9
2720.1	2600.4	2293.0	1995.1	1787.3	1582.8	1412.1
2719.2	2620.9	2319.9	2012.9	1802.9	1603.0	1437.7
2686.3	2686.0	2442.0	2097.9	1875.9	1696.5	1544.8
2588.9	2718.6	2577.1	2210.1	1989.3	1850.6	1705.8
2434.8	2679.1	2595.5	2239.7	2069.9	1992.1	1813.2
2169.4	2490.3	2423.3	2113.6	2042.4	2019.8	1815.9
1754.7	2002.0	1973.4	1805.7	1831.9	1878.3	1622.0
1413.6	1405.7	1401.5	1340.6	1452.2	1546.6	1205.8
1180.8	972.7	903.3	879.8	1063.7	1136.1	748.3
1103.8	873.7	700.9	671.4	797.1	835.7	451.2
843.6	848.4	734.4	629.4	620.1	567.6	330.6
412.9	419.8	443.6	405.0	347.4	292.9	104.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)