

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: INVUE

Report Number: P675851

Luminaire Tested: **CCW-SA-2D-740-U-SLL**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675851
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-740-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
SLL distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

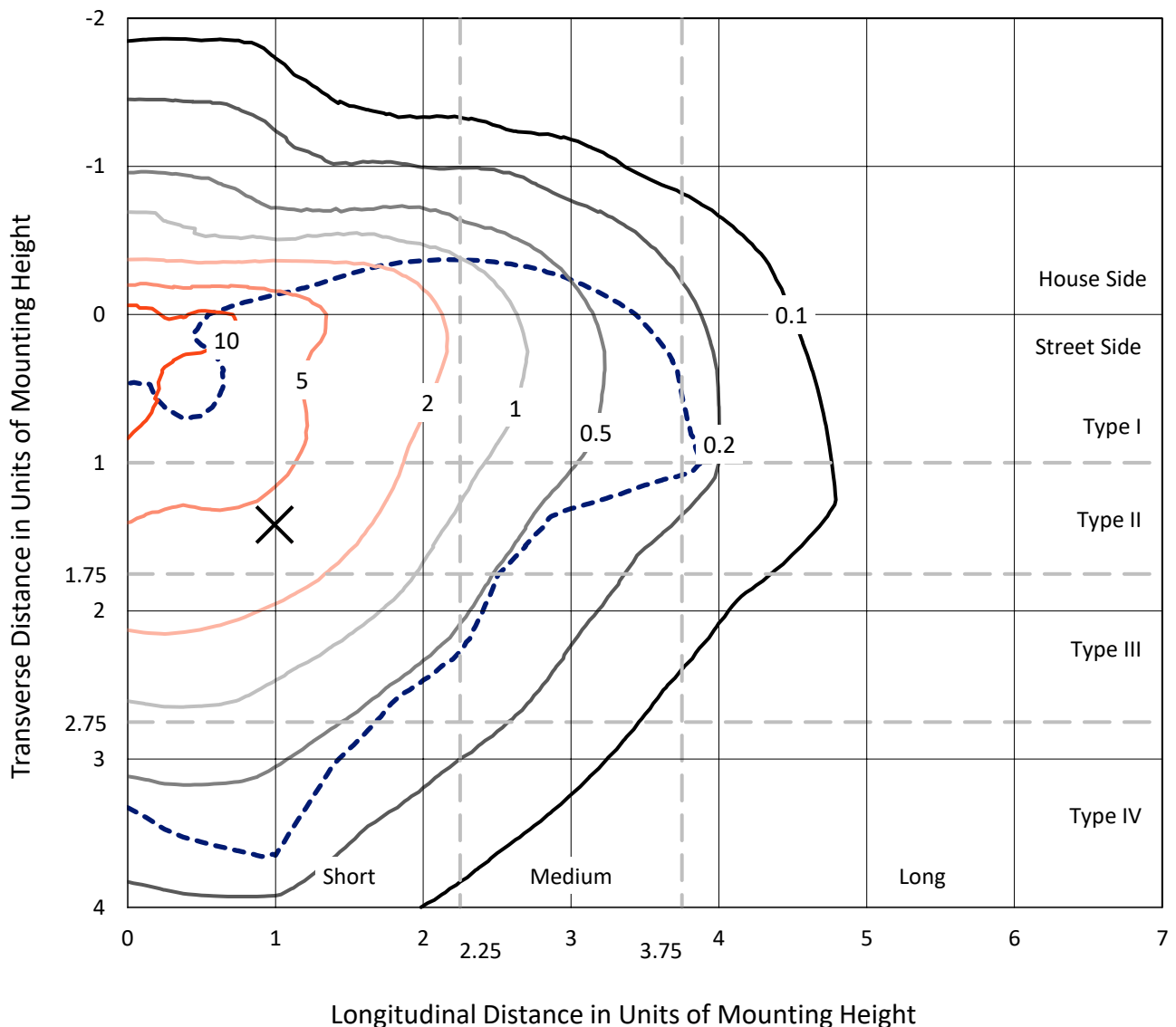
Lumens per Lamp: N/A
Luminaire Lumens: 9253.7 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 80.8
Input Voltage (V): 120
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

REPORT NUMBER: P675851
 CATALOG NUMBER: CCW-SA-2D-740-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

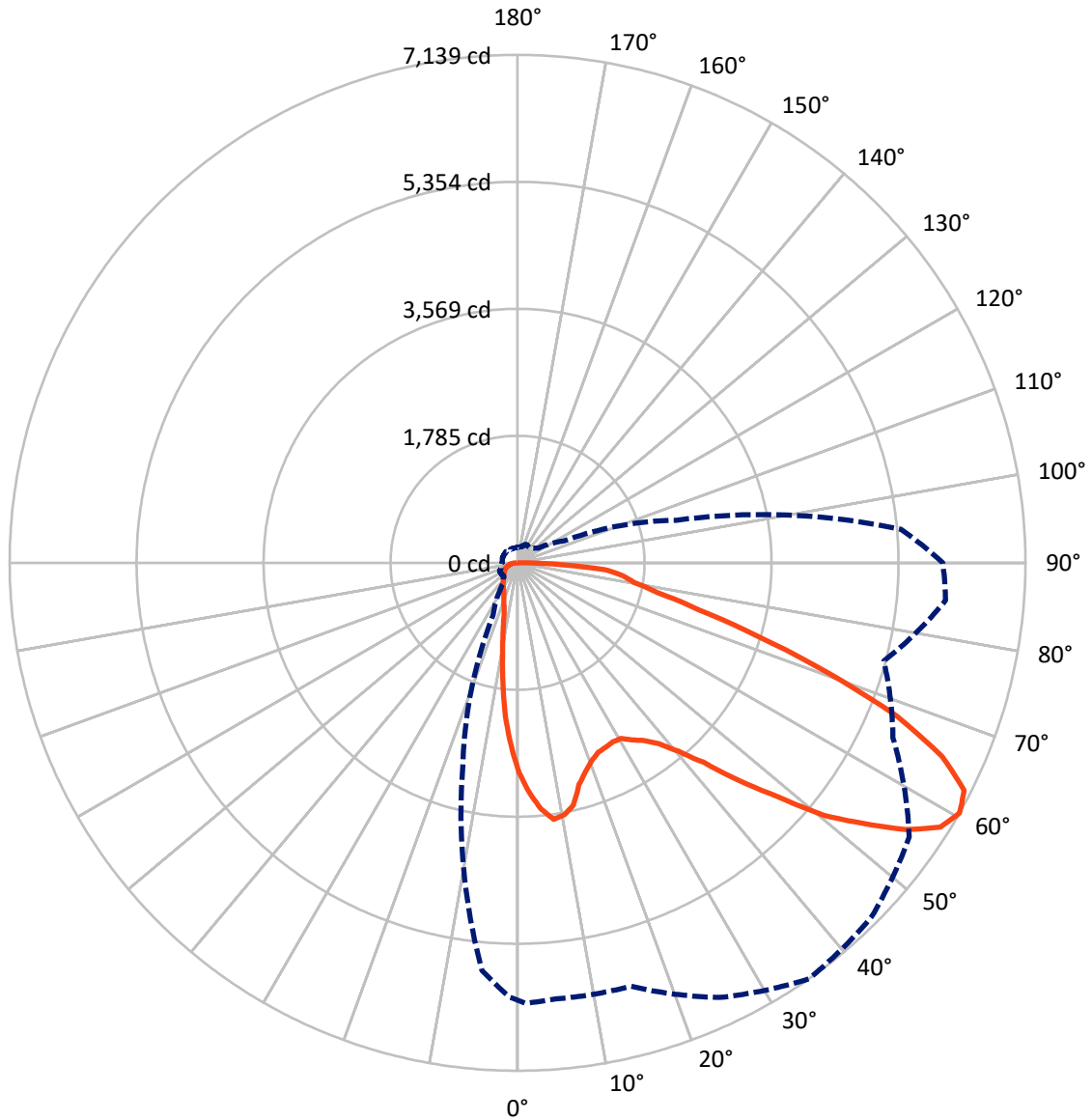
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 15 fc
 Type IV - Short - N/A

REPORT NUMBER: P675851
CATALOG NUMBER: CCW-SA-2D-740-U-SLL

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P675851
 CATALOG NUMBER: CCW-SA-2D-740-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1761.1	0.0	1761.1
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	7492.6	0.0	7492.6
	% Fixture	81.0	0.0	81.0
Total	Lumens	9253.7	0.0	9253.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.6	2.5
10°-20°	484.8	5.2
20°-30°	709.3	7.7
30°-40°	999.4	10.8
40°-50°	1373.4	14.8
50°-60°	1871.8	20.2
60°-70°	2048.6	22.1
70°-80°	1182.7	12.8
80°-90°	354.2	3.8
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°	9253.7	100.0
0°-180°	9253.7	100.0

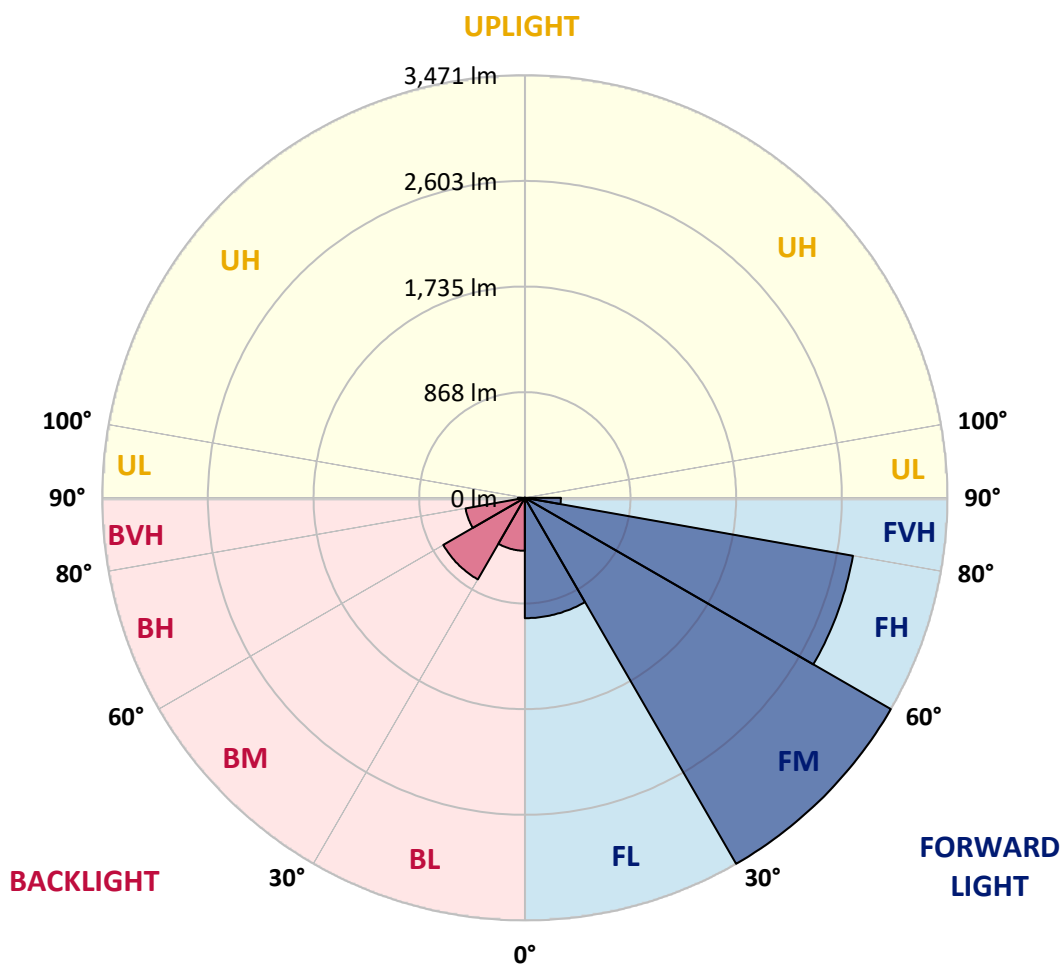


REPORT NUMBER: P675851
 CATALOG NUMBER: CCW-SA-2D-740-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	988.6	10.7			
FM	(30°-60°)	3470.9	37.5			
FH	(60°-80°)	2736.7	29.6			G2/5000
FVH	(80°-90°)	296.5	3.2			G3/500
BL	(0°-30°)	435.1	4.7	B1/500		
BM	(30°-60°)	773.6	8.4	B1/1000		
BH	(60°-80°)	494.6	5.3	B1/500		G1/500
BVH	(80°-90°)	57.7	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
 Type IV Short





REPORT NUMBER: P675851

CATALOG NUMBER: CCW-SA-2D-740-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6
2.5°	3165.0	3152.6	3165.0	3210.1	3222.4	3242.9	3242.9	3214.2	3160.8	3136.2	3095.2
5°	3234.7	3214.2	3316.8	3411.3	3485.1	3476.9	3407.1	3349.7	3242.9	3082.9	2931.0
7.5°	3095.2	3115.7	3189.6	3435.9	3608.3	3641.1	3530.3	3415.4	3185.5	2963.8	2758.6
10°	2832.4	2861.2	3021.3	3275.8	3546.7	3600.1	3530.3	3390.7	3115.7	2840.7	2602.6
12.5°	2705.2	2770.9	2865.3	3173.2	3366.1	3493.4	3460.5	3370.2	3062.3	2738.0	2508.2
15°	2705.2	2721.6	2861.2	3119.8	3230.6	3234.7	3247.1	3263.5	3078.7	2783.2	2475.3
17.5°	2791.4	2836.6	2955.6	3115.7	3136.2	3087.0	3087.0	3156.7	3111.6	2910.4	2594.4
20°	3000.8	2984.3	3140.3	3206.0	3095.2	2972.0	2959.7	3078.7	3148.5	3045.9	2811.9
22.5°	3210.1	3284.0	3411.3	3263.5	3058.2	2894.0	2877.6	3025.4	3259.4	3279.9	3062.3
25°	3526.2	3600.1	3665.8	3485.1	3054.1	2873.5	2885.8	3000.8	3394.8	3612.4	3481.0
27.5°	3866.9	3912.1	4006.5	3727.3	3152.6	2848.9	2861.2	3033.6	3522.1	3830.0	3809.4
30°	4059.8	4109.1	4088.6	3772.5	3218.3	2865.3	2832.4	3078.7	3452.3	3830.0	4022.9
32.5°	4248.7	4219.9	4207.6	3846.4	3300.4	2967.9	2885.8	3173.2	3493.4	3891.5	4297.9
35°	4478.6	4437.5	4404.7	3990.1	3435.9	3066.4	3029.5	3296.3	3583.7	4018.8	4519.6
37.5°	4733.1	4733.1	4573.0	4096.8	3596.0	3226.5	3185.5	3472.8	3727.3	4096.8	4823.4
40°	5032.7	5045.0	4761.8	4240.5	3776.6	3481.0	3468.7	3702.7	3866.9	4211.7	5114.8
42.5°	5254.4	5262.6	4926.0	4293.8	3986.0	3834.1	3887.4	4072.2	4027.0	4314.4	5135.4
45°	5406.3	5365.2	5040.9	4445.7	4215.8	4363.6	4380.0	4433.4	4236.4	4375.9	5217.5
47.5°	5480.2	5472.0	5090.2	4622.2	4700.2	4901.4	4995.8	4921.9	4429.3	4310.2	5217.5
50°	5554.1	5484.3	5135.4	4864.4	5172.3	5578.7	5558.2	5422.7	4696.1	4392.3	5139.5
52.5°	5603.3	5541.7	5225.7	5082.0	5623.8	6083.6	6165.7	5915.3	5008.1	4544.2	5176.4
55°	5779.8	5730.6	5496.6	5377.5	6145.2	6617.3	6629.6	6280.6	5336.5	4794.6	5418.6
57.5°	5993.3	6022.0	5870.1	5796.3	6543.4	7007.2	6962.1	6551.6	5615.6	5098.4	5697.7
60°	6145.2	6190.3	6153.4	6161.6	6740.4	7138.6	7036.0	6719.9	5820.9	5328.3	6038.5
62.5°	6063.1	6153.4	6305.3	6272.4	6748.6	7044.2	6900.5	6498.2	5845.5	5628.0	6297.1
65°	5837.3	5845.5	6141.1	6321.7	6379.2	6555.7	6366.8	6034.3	5591.0	5812.7	6260.1
67.5°	5258.5	5324.2	5591.0	5944.0	5701.8	5742.9	5726.5	5246.2	5205.1	5685.4	5976.9
70°	4642.8	4687.9	4979.4	5394.0	4815.2	4622.2	4659.2	4302.0	4470.3	5291.3	5406.3
72.5°	3838.2	3866.9	4199.4	4564.8	3862.8	3518.0	3604.2	3312.7	3550.8	4630.4	4560.7
75°	2898.1	2951.5	3210.1	3641.1	2844.8	2623.1	2709.3	2590.3	2811.9	3813.5	3538.5
77.5°	2060.7	2019.7	2339.8	2848.9	2138.7	2007.3	2015.6	2036.1	2274.2	3214.2	2541.0
80°	1403.9	1416.2	1703.6	2089.4	1678.9	1658.4	1637.9	1802.1	1908.8	2545.1	1847.2
82.5°	833.3	833.3	1149.4	1486.0	1325.9	1494.2	1399.8	1547.6	1494.2	1871.9	1211.0
85°	390.0	390.0	591.1	1071.4	1026.2	1231.5	1046.8	1169.9	1104.2	1305.4	546.0
87.5°	65.7	57.5	119.0	525.4	422.8	480.3	188.8	624.0	693.7	911.3	135.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P675851
 CATALOG NUMBER: CCW-SA-2D-740-U-SLL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6
2.5°	3050.0	3021.3	2963.8	2889.9	2828.3	2750.3	2725.7	2672.4	2598.5	2590.3	2557.4
5°	2873.5	2775.0	2651.8	2499.9	2397.3	2290.6	2200.3	2146.9	2085.3	2077.1	2060.7
7.5°	2680.6	2557.4	2352.2	2171.5	1995.0	1826.7	1744.6	1642.0	1572.2	1518.8	1494.2
10°	2499.9	2385.0	2130.5	1884.2	1728.2	1617.4	1518.8	1412.1	1325.9	1260.2	1235.6
12.5°	2380.9	2245.4	1970.4	1736.4	1621.5	1494.2	1383.4	1268.4	1157.6	1071.4	1026.2
15°	2327.5	2200.3	1921.1	1662.5	1494.2	1317.7	1190.4	1075.5	940.0	878.5	857.9
17.5°	2454.8	2266.0	1904.7	1576.3	1338.2	1137.1	981.1	857.9	759.4	697.8	673.2
20°	2619.0	2385.0	1933.5	1473.7	1190.4	964.7	792.3	660.9	595.2	550.1	546.0
22.5°	2828.3	2561.5	1978.6	1399.8	1026.2	775.8	619.9	541.9	496.7	492.6	484.4
25°	3201.9	2881.7	2052.5	1301.3	894.9	640.4	529.5	484.4	463.9	451.5	459.8
27.5°	3522.1	3091.1	2105.9	1239.7	841.5	603.4	513.1	463.9	443.3	439.2	443.3
30°	3710.9	3284.0	2089.4	1124.8	734.8	574.7	546.0	529.5	488.5	455.7	455.7
32.5°	3883.3	3407.1	2085.3	1022.1	628.1	480.3	455.7	443.3	468.0	484.4	472.1
35°	4121.4	3600.1	2073.0	964.7	582.9	443.3	402.3	369.4	353.0	344.8	357.1
37.5°	4375.9	3731.4	2040.2	956.5	558.3	422.8	390.0	357.1	340.7	332.5	328.4
40°	4655.1	3871.0	2003.2	915.4	546.0	410.5	377.7	348.9	328.4	316.1	312.0
42.5°	4835.7	3981.8	1966.3	894.9	521.3	402.3	365.3	340.7	320.2	303.8	303.8
45°	4938.3	4113.2	1929.3	874.4	492.6	406.4	365.3	332.5	307.9	299.7	291.5
47.5°	4983.5	4211.7	1917.0	841.5	468.0	390.0	357.1	324.3	299.7	283.2	279.1
50°	5102.5	4421.1	1962.2	816.9	439.2	373.6	377.7	320.2	295.6	275.0	270.9
52.5°	5172.3	4589.4	2060.7	779.9	418.7	353.0	369.4	312.0	283.2	262.7	262.7
55°	5426.8	4868.5	2167.4	751.2	394.1	324.3	340.7	295.6	262.7	250.4	250.4
57.5°	5751.1	5164.1	2257.7	738.9	377.7	303.8	303.8	287.3	250.4	234.0	229.9
60°	5976.9	5406.3	2311.1	730.7	361.2	283.2	270.9	287.3	238.1	221.7	217.6
62.5°	6001.5	5266.7	2257.7	726.6	357.1	262.7	246.3	275.0	225.8	209.4	201.1
65°	5845.5	4983.5	2110.0	710.2	353.0	242.2	229.9	238.1	209.4	197.0	188.8
67.5°	5533.5	4523.7	1896.5	702.0	348.9	225.8	209.4	205.2	192.9	180.6	172.4
70°	4807.0	3924.4	1646.1	665.0	340.7	213.5	188.8	184.7	172.4	164.2	160.1
72.5°	4035.2	3210.1	1358.8	615.7	324.3	192.9	172.4	164.2	160.1	147.8	143.7
75°	3091.1	2471.2	1087.8	546.0	283.2	172.4	151.9	143.7	139.6	131.4	127.3
77.5°	2171.5	1839.0	804.6	443.3	238.1	156.0	135.5	127.3	123.1	110.8	110.8
80°	1473.7	1289.0	546.0	307.9	184.7	127.3	119.0	110.8	102.6	94.4	94.4
82.5°	915.4	903.1	394.1	201.1	135.5	102.6	94.4	94.4	82.1	73.9	73.9
85°	418.7	554.2	275.0	139.6	102.6	78.0	78.0	73.9	65.7	53.4	53.4
87.5°	131.4	184.7	143.7	61.6	57.5	45.2	45.2	41.0	41.0	32.8	32.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P675851

CATALOG NUMBER: CCW-SA-2D-740-U-SLL

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6
2.5°	2590.3	2586.1	2586.1	2569.7	2610.8	2610.8	2635.4	2614.9	2627.2	2631.3	2664.1
5°	2056.6	2089.4	2114.1	2163.3	2192.1	2204.4	2204.4	2237.2	2224.9	2249.5	2298.8
7.5°	1506.5	1547.6	1621.5	1683.0	1732.3	1748.7	1744.6	1752.8	1765.1	1736.4	1744.6
10°	1219.2	1190.4	1215.1	1272.5	1317.7	1371.1	1330.0	1325.9	1338.2	1325.9	1350.5
12.5°	1018.0	985.2	964.7	964.7	997.5	1022.1	1009.8	1030.4	1075.5	1087.8	1116.6
15°	825.1	796.4	779.9	759.4	792.3	800.5	812.8	841.5	874.4	890.8	923.6
17.5°	660.9	660.9	660.9	644.5	656.8	669.1	673.2	710.2	714.3	730.7	743.0
20°	541.9	554.2	574.7	582.9	595.2	595.2	587.0	607.5	591.1	603.4	611.6
22.5°	488.5	504.9	513.1	517.2	533.6	537.8	517.2	521.3	525.4	513.1	517.2
25°	459.8	468.0	459.8	463.9	468.0	459.8	463.9	472.1	468.0	476.2	472.1
27.5°	447.4	439.2	435.1	431.0	431.0	422.8	426.9	426.9	435.1	439.2	439.2
30°	447.4	435.1	418.7	406.4	406.4	394.1	402.3	410.5	414.6	422.8	422.8
32.5°	459.8	435.1	406.4	394.1	381.8	373.6	381.8	394.1	410.5	414.6	418.7
35°	365.3	377.7	373.6	357.1	353.0	353.0	348.9	348.9	336.6	336.6	332.5
37.5°	328.4	324.3	332.5	336.6	340.7	328.4	328.4	312.0	307.9	312.0	312.0
40°	307.9	307.9	307.9	320.2	324.3	316.1	303.8	295.6	295.6	295.6	299.7
42.5°	299.7	291.5	287.3	295.6	307.9	299.7	287.3	283.2	283.2	287.3	287.3
45°	287.3	283.2	279.1	275.0	291.5	279.1	275.0	270.9	270.9	270.9	275.0
47.5°	275.0	270.9	262.7	262.7	266.8	262.7	258.6	258.6	258.6	266.8	266.8
50°	266.8	262.7	254.5	254.5	254.5	254.5	250.4	250.4	250.4	254.5	258.6
52.5°	254.5	250.4	246.3	242.2	242.2	242.2	242.2	242.2	242.2	246.3	250.4
55°	242.2	238.1	234.0	234.0	238.1	238.1	234.0	238.1	234.0	238.1	242.2
57.5°	229.9	225.8	221.7	225.8	229.9	225.8	225.8	225.8	225.8	225.8	229.9
60°	213.5	213.5	213.5	213.5	221.7	221.7	221.7	221.7	213.5	217.6	221.7
62.5°	205.2	201.1	201.1	205.2	209.4	209.4	213.5	209.4	205.2	209.4	209.4
65°	188.8	188.8	188.8	192.9	192.9	197.0	197.0	197.0	192.9	197.0	197.0
67.5°	176.5	176.5	176.5	176.5	184.7	184.7	184.7	184.7	180.6	180.6	184.7
70°	156.0	160.1	156.0	164.2	172.4	168.3	172.4	172.4	168.3	164.2	172.4
72.5°	143.7	143.7	143.7	143.7	156.0	156.0	156.0	160.1	156.0	151.9	156.0
75°	127.3	127.3	127.3	131.4	139.6	139.6	139.6	139.6	139.6	135.5	135.5
77.5°	110.8	114.9	110.8	114.9	123.1	119.0	123.1	127.3	123.1	119.0	119.0
80°	94.4	94.4	94.4	98.5	102.6	102.6	102.6	106.7	102.6	98.5	98.5
82.5°	73.9	73.9	78.0	78.0	82.1	82.1	82.1	86.2	82.1	78.0	78.0
85°	57.5	57.5	57.5	61.6	61.6	65.7	65.7	69.8	69.8	65.7	65.7
87.5°	36.9	32.8	36.9	36.9	41.0	41.0	36.9	32.8	36.9	32.8	28.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P675851
 CATALOG NUMBER: CCW-SA-2D-740-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6
2.5°	2697.0	2770.9	2824.2	2861.2	2914.5	3017.2	3058.2	3132.1	3152.6	3165.0
5°	2319.3	2397.3	2512.3	2594.4	2688.8	2881.7	3029.5	3140.3	3189.6	3234.7
7.5°	1818.5	1921.1	2040.2	2146.9	2302.9	2541.0	2733.9	2963.8	3050.0	3095.2
10°	1420.3	1514.7	1646.1	1777.5	1995.0	2196.2	2471.2	2680.6	2799.6	2832.4
12.5°	1198.7	1309.5	1465.5	1625.6	1761.0	1990.9	2270.1	2573.8	2684.7	2705.2
15°	1018.0	1169.9	1330.0	1494.2	1650.2	1851.4	2151.0	2520.5	2684.7	2705.2
17.5°	841.5	977.0	1165.8	1342.3	1523.0	1798.0	2171.5	2565.6	2729.8	2791.4
20°	669.1	800.5	948.3	1169.9	1416.2	1707.7	2216.7	2717.5	2935.1	3000.8
22.5°	554.2	611.6	755.3	968.8	1260.2	1646.1	2261.9	2955.6	3185.5	3210.1
25°	484.4	525.4	615.7	816.9	1137.1	1605.1	2368.6	3230.6	3526.2	3526.2
27.5°	451.5	468.0	529.5	710.2	1050.9	1568.1	2475.3	3534.4	3809.4	3866.9
30°	443.3	484.4	517.2	632.2	956.5	1465.5	2573.8	3772.5	4055.7	4059.8
32.5°	435.1	426.9	451.5	550.1	841.5	1358.8	2655.9	4014.7	4236.4	4248.7
35°	340.7	357.1	398.2	484.4	755.3	1280.8	2697.0	4146.0	4466.2	4478.6
37.5°	320.2	340.7	373.6	447.4	697.8	1215.1	2709.3	4400.6	4708.4	4733.1
40°	312.0	328.4	353.0	414.6	652.7	1133.0	2733.9	4663.3	5065.6	5032.7
42.5°	295.6	316.1	340.7	398.2	615.7	1071.4	2738.0	4807.0	5254.4	5254.4
45°	291.5	303.8	332.5	398.2	574.7	1018.0	2672.4	4950.6	5472.0	5406.3
47.5°	275.0	299.7	324.3	385.9	525.4	964.7	2594.4	5024.5	5500.7	5480.2
50°	270.9	295.6	336.6	365.3	496.7	940.0	2577.9	5209.2	5558.2	5554.1
52.5°	262.7	287.3	348.9	348.9	459.8	907.2	2655.9	5291.3	5570.5	5603.3
55°	250.4	287.3	324.3	320.2	426.9	866.2	2742.1	5504.8	5788.0	5779.8
57.5°	242.2	279.1	307.9	291.5	390.0	837.4	2869.4	5710.1	6050.8	5993.3
60°	229.9	279.1	275.0	270.9	361.2	812.8	2976.1	5751.1	6108.2	6145.2
62.5°	221.7	291.5	242.2	250.4	336.6	800.5	2931.0	5443.2	6030.2	6063.1
65°	213.5	250.4	221.7	229.9	328.4	775.8	2754.5	5073.8	5693.6	5837.3
67.5°	197.0	205.2	205.2	213.5	320.2	718.4	2393.2	4408.8	5180.5	5258.5
70°	180.6	184.7	184.7	197.0	312.0	652.7	1974.5	3813.5	4495.0	4642.8
72.5°	164.2	164.2	164.2	180.6	287.3	599.3	1625.6	2931.0	3735.5	3838.2
75°	143.7	143.7	143.7	160.1	258.6	546.0	1280.8	2179.8	2750.3	2898.1
77.5°	127.3	127.3	123.1	143.7	225.8	443.3	923.6	1539.4	1937.6	2060.7
80°	106.7	102.6	102.6	114.9	176.5	320.2	595.2	1087.8	1350.5	1403.9
82.5°	86.2	82.1	78.0	86.2	127.3	201.1	369.4	759.4	866.2	833.3
85°	82.1	86.2	69.8	65.7	90.3	131.4	234.0	468.0	390.0	390.0
87.5°	32.8	28.7	28.7	24.6	45.2	49.3	102.6	86.2	65.7	65.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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