Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: AMETRIX

Report Number: P508410

Luminaire Tested: **ASYX-X-L6-X-U-W-L40-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Report Generated By 670245626 / DESKTOP-25HFRC3

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P508410
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2006-840-2)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	4/5/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	AMETRIX
Catalog Number:	ASYX-X-L6-X-U-W-L40-1-UNV-X-X-X-STD
Description:	AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
	(6) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	32539.7 lumens
Efficiency:	N/A
Efficacy:	101.4 lumens/watt
N/A	
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
CIE Type:	Indirect

Input Watts (W):	320.8
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:	24 FT

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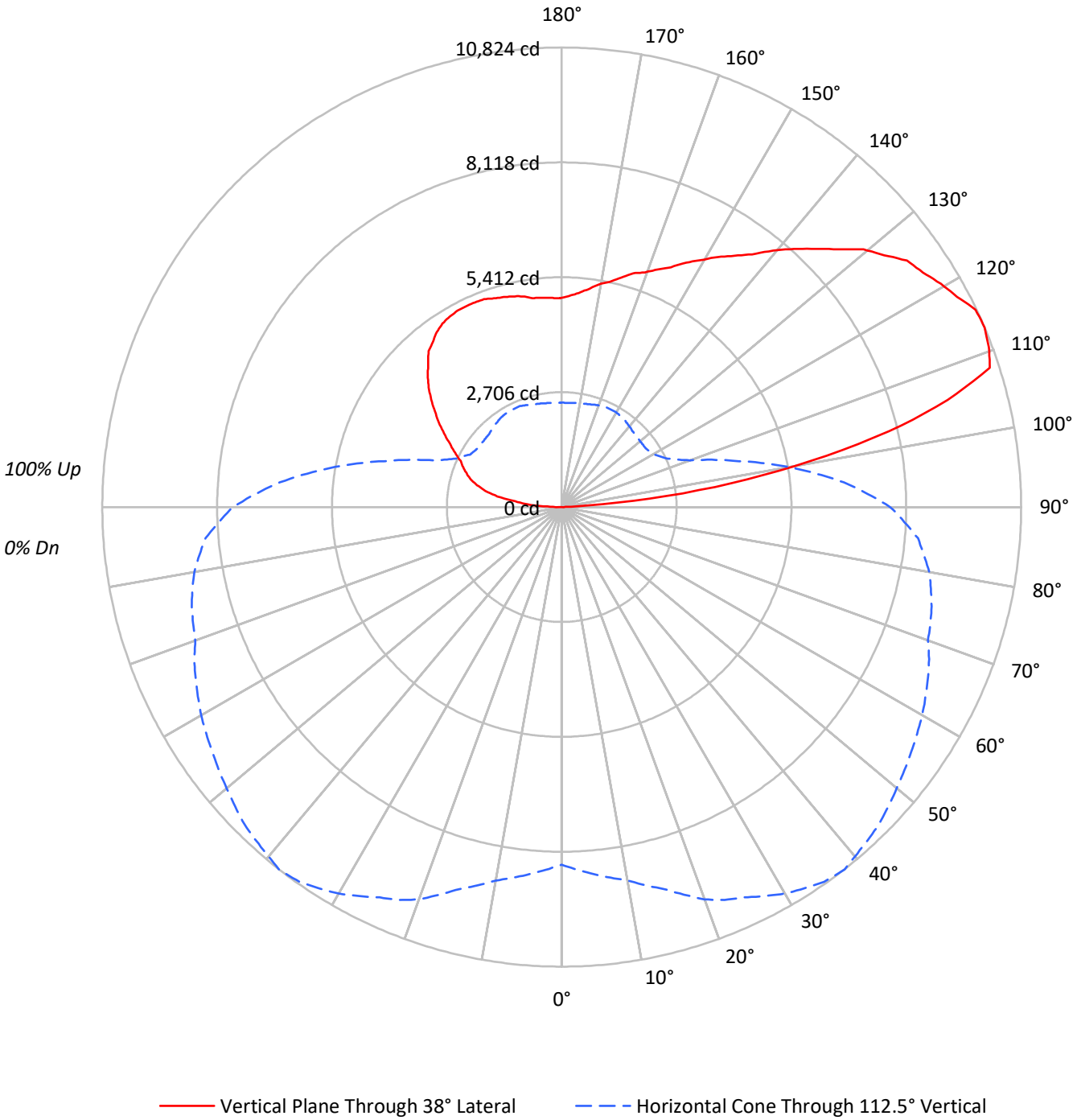
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	57	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
95°	50356	56053	71252
100°	137330	106336	64851
105°	137567	113573	59505
110°	153248	139690	50113
115°	161640	140088	41733
120°	151529	123376	38752
125°	132379	105528	38545
130°	113875	87596	39934
135°	96608	75179	40634
140°	81068	63990	41939
145°	68535	56304	42051
150°	58323	49909	42164
155°	51071	44676	41022
160°	45997	40710	39917
165°	42176	38318	38232
170°	39181	36491	36658
175°	36655	35574	35409

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	0.0	0.0
20°-30°	0.0	0.0
30°-40°	0.0	0.0
40°-50°	0.0	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	1331.8	4.1
100°-110°	4820.7	14.8
110°-120°	6498.5	20.0
120°-130°	6185.1	19.0
130°-140°	5153.2	15.8
140°-150°	3903.9	12.0
150°-160°	2656.7	8.2
160°-170°	1509.5	4.6
170°-180°	480.2	1.5
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	0.0	0.0
90°-120°	12651.0	38.9
90°-150°	27893.2	85.7
90°-180°	32540.0	100.0
0°-180°	32539.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	612	1996	681	681	865	1088
105°	4962	10131	4096	1812	2146	5382
115°	9520	10362	8250	2619	2458	9179
125°	10581	9473	8435	3519	3081	9444
135°	9520	8158	7408	4466	4004	7376
145°	7823	6958	6427	5077	4800	4949
155°	6450	6116	5642	5262	5181	3014
165°	5677	5504	5158	5123	5146	1620
175°	5089	5019	4939	4927	4916	496
180°	4916	4916	4916	4916	4916	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	38°	40°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
92.5°	92.3	92.3	92.3	103.8	115.4	126.9	126.9	161.5	207.7	*219.2*	253.9
95°	611.6	703.9	1050.0	1211.6	1223.1	1257.7	1257.7	1592.4	1984.7	*2077.0*	2169.3
97.5°	1638.5	1753.9	2123.2	2411.6	2827.0	2942.4	3080.9	3357.8	3784.8	*4038.6*	4165.5
100°	3323.2	3346.3	3542.4	3807.8	4257.8	4511.7	4823.2	5584.8	5965.6	*5965.6*	5827.1
102.5°	4211.7	4234.8	4407.9	4661.7	5192.5	5573.3	5931.0	6854.1	7627.2	*7915.7*	8031.1
105°	4961.7	5042.5	5227.1	5584.8	6231.0	6657.9	6992.6	8042.6	8942.6	*9438.8*	9819.6
107.5°	5919.4	6046.4	6357.9	6773.3	7546.4	8042.6	8469.5	9323.4	10108.1	*10604.2*	10592.7
110°	7304.1	7373.3	7696.4	8238.8	8908.0	9300.3	9565.7	10165.7	10696.5	*10742.7*	10765.8
112.5°	*8423.4*	*8677.2*	*8931.1*	*9311.9*	*9831.1*	*10015.7*	*10142.7*	*10511.9*	*10777.3*	*10823.5*	*10742.7*
115°	9519.6	9611.9	9738.8	9992.7	10235.0	10419.6	10442.7	10638.8	10696.5	*10800.4*	10615.8
117.5°	10200.4	10246.5	10258.1	10350.4	10477.3	10581.1	10558.1	10615.8	10685.0	*10546.5*	10454.2
120°	10558.1	10604.2	10523.5	10558.1	10592.7	10615.8	10569.6	10592.7	10465.8	*10361.9*	10258.1
122.5°	10696.5	10685.0	10604.2	10604.2	10558.1	10546.5	10454.2	10373.4	10281.1	*10142.7*	10015.7
125°	10581.1	10627.3	10523.5	10442.7	10338.8	10511.9	10281.1	10200.4	10038.8	*9992.7*	9750.3
127.5°	10431.1	10523.5	10350.4	10269.6	10165.7	10131.1	9992.7	9877.3	9761.9	*9635.0*	9473.4
130°	10200.4	10235.0	10073.4	9992.7	9888.8	9785.0	9761.9	9508.0	9427.3	*9346.5*	9127.3
132.5°	9969.6	9911.9	9750.3	9646.5	9519.6	9461.9	9404.2	9184.9	9069.6	*8896.5*	8781.1
135°	9519.6	9531.1	9381.1	9265.7	9092.6	9092.6	8988.8	8827.2	8677.2	*8527.2*	8377.2
137.5°	9092.6	9173.4	8954.2	8850.3	8758.0	8688.8	8550.3	8400.3	8238.8	*8181.1*	8065.7
140°	8654.2	8665.7	8492.6	8400.3	8331.1	8204.1	8123.4	7984.9	7927.2	*7823.4*	7661.8
142.5°	8273.4	8227.2	8088.8	7984.9	7915.7	7823.4	7777.2	7638.7	7546.4	*7454.1*	7396.4
145°	7823.4	7811.8	7650.3	7581.0	7523.3	7488.7	7408.0	7304.1	7258.0	*7177.2*	7177.2
147.5°	7442.6	7384.9	7292.6	7211.8	7142.6	7107.9	7107.9	6923.3	6957.9	*6946.4*	6842.6
150°	7038.7	7027.2	6900.2	6865.6	6807.9	6831.0	6807.9	6727.2	6727.2	*6681.0*	6611.8
152.5°	6715.6	6715.6	6611.8	6588.7	6565.6	6554.1	6507.9	6473.3	6473.3	*6461.8*	6381.0
155°	6450.2	6450.2	6369.5	6357.9	6323.3	6311.8	6288.7	6254.1	6231.0	*6207.9*	6138.7
157.5°	6231.0	6219.5	6127.1	6138.7	6104.1	6104.1	6092.5	6023.3	6046.4	*6034.8*	5988.7
160°	6023.3	6011.8	5919.4	5954.1	5931.0	5931.0	5931.0	5884.8	5861.7	*5861.7*	5757.9
162.5°	5838.7	5861.7	5769.4	5757.9	5769.4	5769.4	5723.3	5688.7	5723.3	*5757.9*	5654.0
165°	5677.1	5654.0	5619.4	5607.9	5584.8	5561.7	5584.8	5561.7	5538.7	*5584.8*	5550.2
167.5°	5515.6	5538.7	5469.4	5446.3	5446.3	5492.5	5457.9	5411.7	5434.8	*5423.3*	5354.0
170°	5377.1	5400.2	5307.9	5307.9	5307.9	5307.9	5273.3	5238.6	5296.3	*5319.4*	5238.6
172.5°	5238.6	5273.3	5192.5	5181.0	5169.4	5192.5	5169.4	5134.8	5204.0	*5169.4*	5134.8
175°	5088.6	5146.3	5065.6	5054.0	5077.1	5077.1	5054.0	5030.9	5077.1	*5054.0*	5030.9
177.5°	5019.4	5019.4	4938.6	4950.2	4950.2	4938.6	4973.3	4961.7	4973.3	*4973.3*	5019.4
180°	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6	*4915.6*	4915.6

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CANDELA DISTRIBUTION (continued):

	45°	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	265.4	311.5	334.6	184.6	184.6	207.7	196.2	173.1	150.0	138.5	138.5
95°	1996.2	1892.4	1950.1	1753.9	1523.1	1338.5	1327.0	1338.5	923.1	692.3	680.8
97.5°	4292.5	4246.3	3888.6	3334.7	3173.2	3184.7	2988.6	2480.9	2077.0	1777.0	1534.7
100°	5584.8	5434.8	5273.3	5388.7	5065.6	4811.7	4454.0	4004.0	3530.9	3127.0	2573.2
102.5°	7961.8	7731.0	7142.6	6496.4	5850.2	5619.4	5354.0	4846.3	4350.2	3877.1	3311.7
105°	10131.1	9738.8	8746.5	7823.4	6946.4	6681.0	6334.8	5769.4	5192.5	4719.4	4096.3
107.5°	10650.4	10361.9	9808.0	9184.9	8423.4	7984.9	7661.8	7050.3	6507.9	5861.7	5146.3
110°	10696.5	10408.1	10061.9	9635.0	9265.7	9011.9	8804.2	8342.6	7950.3	7384.9	6657.9
112.5°	*10569.6*	*10304.2*	*10050.4*	*9808.0*	*9519.6*	*9369.6*	*9184.9*	*9023.4*	*8792.6*	*8423.4*	*7742.6*
115°	10361.9	10131.1	9900.4	9692.7	9554.2	9485.0	9392.6	9265.7	9138.8	8861.9	8250.3
117.5°	10165.7	9900.4	9692.7	9623.4	9496.5	9392.6	9381.1	9358.0	9277.3	9138.8	8550.3
120°	9969.6	9761.9	9554.2	9404.2	9358.0	9346.5	9346.5	9277.3	9300.3	9184.9	8596.5
122.5°	9658.0	9496.5	9323.4	9254.2	9058.0	9104.2	9127.3	9081.1	9173.4	9092.6	8538.8
125°	9473.4	9311.9	9092.6	8988.8	8954.2	8908.0	8954.2	8873.4	8919.6	8861.9	8434.9
127.5°	9161.9	8954.2	8838.8	8758.0	8734.9	8573.4	8654.2	8665.7	8677.2	8584.9	8204.1
130°	8827.2	8711.9	8446.5	8481.1	8481.1	8423.4	8434.9	8388.8	8365.7	8284.9	7846.4
132.5°	8584.9	8434.9	8261.8	8215.7	8169.5	8158.0	8158.0	8077.2	8077.2	7973.4	7684.9
135°	8158.0	8054.1	7984.9	7938.7	7927.2	7881.1	7881.1	7800.3	7788.7	7696.4	7408.0
137.5°	7858.0	7754.1	7696.4	7661.8	7627.2	7546.4	7592.6	7523.3	7454.1	7431.0	7154.1
140°	7558.0	7477.2	7431.0	7373.3	7361.8	7315.6	7315.6	7234.9	7211.8	7107.9	6831.0
142.5°	7304.1	7258.0	7165.6	7142.6	7061.8	7073.3	7015.6	7027.2	6934.9	6819.5	6600.2
145°	6957.9	6969.5	6923.3	6877.2	6865.6	6796.4	6807.9	6738.7	6681.0	6600.2	6427.2
147.5°	6773.3	6773.3	6704.1	6646.4	6600.2	6588.7	6531.0	6542.5	6450.2	6334.8	6219.5
150°	6531.0	6507.9	6438.7	6404.1	6369.5	6369.5	6311.8	6277.1	6207.9	6173.3	6023.3
152.5°	6357.9	6300.2	6265.6	6196.4	6196.4	6138.7	6092.5	6069.4	6011.8	5942.5	5827.1
155°	6115.6	6092.5	6046.4	6034.8	5988.7	5942.5	5861.7	5850.2	5815.6	5746.4	5642.5
157.5°	5919.4	5954.1	5884.8	5850.2	5781.0	5769.4	5688.7	5700.2	5631.0	5584.8	5492.5
160°	5827.1	5769.4	5700.2	5688.7	5665.6	5573.3	5561.7	5527.1	5481.0	5446.3	5331.0
162.5°	5619.4	5607.9	5573.3	5550.2	5469.4	5469.4	5331.0	5388.7	5354.0	5319.4	5261.7
165°	5504.0	5515.6	5434.8	5411.7	5388.7	5342.5	5307.9	5273.3	5238.6	5215.6	5157.9
167.5°	5354.0	5331.0	5307.9	5261.7	5273.3	5238.6	5204.0	5181.0	5157.9	5134.8	5088.6
170°	5227.1	5215.6	5192.5	5157.9	5169.4	5134.8	5134.8	5088.6	5077.1	5065.6	5007.9
172.5°	5123.3	5123.3	5100.2	5100.2	5088.6	5054.0	5030.9	5007.9	5007.9	4984.8	4973.3
175°	5019.4	5030.9	5019.4	5007.9	5007.9	4984.8	4984.8	4996.3	4973.3	4973.3	4938.6
177.5°	4938.6	4938.6	4938.6	4938.6	4938.6	4938.6	4938.6	4927.1	4938.6	4927.1	4892.5
180°	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6

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CANDELA DISTRIBUTION (continued):

	95°	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	150.0	161.5	173.1	184.6	219.2	207.7	242.3	253.9	276.9	323.1	334.6
95°	611.6	611.6	600.0	600.0	576.9	576.9	565.4	553.9	611.6	680.8	773.1
97.5°	1257.7	1073.1	980.8	946.2	934.6	923.1	900.0	865.4	888.5	946.2	1061.6
100°	2123.2	1753.9	1453.9	1280.8	1246.2	1188.5	1165.4	1153.9	1153.9	1269.3	1453.9
102.5°	2746.3	2203.9	1811.6	1557.7	1488.5	1430.8	1396.2	1396.2	1419.3	1557.7	1765.4
105°	3473.2	2780.9	2180.8	1846.2	1788.5	1707.8	1650.1	1661.6	1684.7	1811.6	1996.2
107.5°	4350.2	3519.4	2803.9	2284.7	2157.8	2042.4	1950.1	1950.1	1961.6	2042.4	2180.8
110°	5665.6	4592.5	3519.4	2746.3	2538.6	2411.6	2192.4	2192.4	2180.8	2238.5	2330.9
112.5°	*6669.5*	*5423.3*	*4200.2*	*3207.8*	*2919.3*	*2711.6*	*2480.9*	*2411.6*	*2411.6*	*2423.2*	*2480.9*
115°	7269.5	5977.1	4673.2	3634.7	3254.0	3000.1	2711.6	2630.9	2596.2	2619.3	2596.2
117.5°	7615.7	6311.8	5077.1	3946.3	3588.6	3300.1	2942.4	2838.6	2780.9	2827.0	2815.5
120°	7788.7	6611.8	5400.2	4269.4	3900.1	3565.5	3184.7	3080.9	3034.7	3034.7	3046.3
122.5°	7811.8	6773.3	5584.8	4557.9	4188.6	3865.5	3473.2	3323.2	3277.0	3288.6	3288.6
125°	7731.0	6750.2	5757.9	4788.6	4430.9	4107.8	3704.0	3577.1	3473.2	3519.4	3530.9
127.5°	7604.1	6692.5	5861.7	4973.3	4650.2	4361.7	3992.5	3842.4	3750.1	3773.2	3761.7
130°	7419.5	6623.3	5954.1	5134.8	4857.9	4569.4	4246.3	4107.8	3980.9	3992.5	4004.0
132.5°	7234.9	6600.2	6000.2	5261.7	5030.9	4788.6	4465.5	4327.1	4211.7	4223.2	4223.2
135°	7038.7	6542.5	5942.5	5342.5	5227.1	4973.3	4707.9	4557.9	4465.5	4465.5	4442.5
137.5°	6831.0	6404.1	5988.7	5504.0	5342.5	5134.8	4869.4	4754.0	4661.7	4650.2	4638.6
140°	6646.4	6254.1	5931.0	5538.7	5423.3	5261.7	5042.5	4950.2	4823.2	4800.2	4869.4
142.5°	6461.8	6184.8	5988.7	5619.4	5504.0	5365.6	5204.0	5077.1	4984.8	4961.7	4950.2
145°	6277.1	6115.6	5896.4	5596.4	5550.2	5411.7	5238.6	5204.0	5100.2	5077.1	5077.1
147.5°	6092.5	5954.1	5792.5	5584.8	5584.8	5469.4	5388.7	5284.8	5204.0	5157.9	5157.9
150°	5931.0	5815.6	5734.8	5573.3	5561.7	5469.4	5400.2	5354.0	5261.7	5238.6	5227.1
152.5°	5781.0	5677.1	5607.9	5504.0	5492.5	5365.6	5388.7	5342.5	5250.2	5227.1	5227.1
155°	5596.4	5584.8	5504.0	5400.2	5446.3	5377.1	5319.4	5377.1	5238.6	5261.7	5261.7
157.5°	5469.4	5457.9	5446.3	5342.5	5354.0	5319.4	5284.8	5331.0	5215.6	5227.1	5227.1
160°	5331.0	5307.9	5307.9	5215.6	5284.8	5215.6	5227.1	5250.2	5181.0	5192.5	5227.1
162.5°	5261.7	5215.6	5215.6	5181.0	5204.0	5181.0	5123.3	5204.0	5192.5	5169.4	5181.0
165°	5146.3	5134.8	5157.9	5088.6	5146.3	5077.1	5100.2	5134.8	5111.7	5123.3	5134.8
167.5°	5077.1	5065.6	5077.1	5042.5	5077.1	5054.0	5042.5	5088.6	5065.6	5077.1	5088.6
170°	5019.4	5019.4	5030.9	4996.3	5030.9	4996.3	5030.9	5030.9	5019.4	5019.4	5042.5
172.5°	4996.3	4961.7	4996.3	4938.6	4996.3	4927.1	4950.2	4984.8	4973.3	4961.7	4961.7
175°	4950.2	4938.6	4973.3	4915.6	4950.2	4915.6	4915.6	4950.2	4938.6	4927.1	4973.3
177.5°	4950.2	4915.6	4950.2	4892.5	4927.1	4904.0	4904.0	4938.6	4915.6	4915.6	4950.2
180°	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P508410
CATALOG NUMBER: ASYX-X-L6-X-U-W-L40-1-UNV-X-X-X-STD

CANDELA DISTRIBUTION (continued):

	145°	150°	155°	157.5°	160°	165°	170°	175°	180°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	334.6	392.3	403.9	438.5	426.9	357.7	311.5	253.9	219.2
95°	877.0	969.3	1061.6	1050.0	1084.7	1015.4	946.2	911.6	865.4
97.5°	1177.0	1327.0	1419.3	1419.3	1430.8	1384.7	1361.6	1384.7	1327.0
100°	1661.6	1765.4	1800.1	1788.5	1753.9	1673.1	1627.0	1603.9	1569.3
102.5°	1950.1	2065.5	2100.1	2077.0	2053.9	2019.3	1973.1	1950.1	1938.5
105°	2146.2	2250.1	2296.2	2284.7	2273.2	2215.5	2123.2	2157.8	2146.2
107.5°	2330.9	2400.1	2446.2	2411.6	2400.1	2365.5	2307.8	2342.4	2296.2
110°	2446.2	2503.9	2515.5	2515.5	2492.4	2457.8	2411.6	2423.2	2388.5
112.5°	*2538.6*	*2573.2*	*2573.2*	*2573.2*	*2550.1*	*2503.9*	*2480.9*	*2457.8*	*2457.8*
115°	2642.4	2619.3	2630.9	2630.9	2607.8	2538.6	2503.9	2480.9	2457.8
117.5°	2827.0	2792.4	2757.8	2757.8	2700.1	2653.9	2619.3	2584.7	2550.1
120°	3000.1	2977.0	2954.0	2919.3	2884.7	2827.0	2769.3	2723.2	2700.1
122.5°	3230.9	3173.2	3138.6	3161.7	3092.4	3034.7	2965.5	2919.3	2861.6
125°	3484.7	3438.6	3380.9	3357.8	3300.1	3254.0	3196.3	3150.1	3080.9
127.5°	3704.0	3634.7	3611.7	3600.1	3530.9	3473.2	3380.9	3346.3	3346.3
130°	3957.8	3877.1	3888.6	3830.9	3773.2	3680.9	3588.6	3588.6	3577.1
132.5°	4200.2	4107.8	4096.3	4073.2	4004.0	3934.8	3877.1	3865.5	3819.4
135°	4396.3	4327.1	4315.5	4292.5	4234.8	4165.5	4073.2	4096.3	4004.0
137.5°	4569.4	4534.8	4523.2	4477.1	4419.4	4407.9	4304.0	4292.5	4234.8
140°	4765.6	4696.3	4742.5	4684.8	4615.6	4592.5	4454.0	4477.1	4477.1
142.5°	4904.0	4869.4	4857.9	4834.8	4788.6	4742.5	4707.9	4661.7	4684.8
145°	5042.5	5019.4	4996.3	4996.3	4927.1	4904.0	4834.8	4834.8	4800.2
147.5°	5157.9	5111.7	5111.7	5088.6	5054.0	5030.9	4961.7	4996.3	4938.6
150°	5157.9	5181.0	5157.9	5157.9	5169.4	5157.9	5100.2	5077.1	5088.6
152.5°	5250.2	5215.6	5192.5	5238.6	5181.0	5215.6	5134.8	5157.9	5134.8
155°	5204.0	5227.1	5238.6	5215.6	5215.6	5215.6	5181.0	5238.6	5181.0
157.5°	5250.2	5227.1	5238.6	5227.1	5204.0	5238.6	5204.0	5250.2	5215.6
160°	5227.1	5204.0	5227.1	5215.6	5192.5	5238.6	5238.6	5273.3	5227.1
162.5°	5146.3	5169.4	5227.1	5192.5	5192.5	5273.3	5146.3	5261.7	5192.5
165°	5123.3	5134.8	5157.9	5181.0	5134.8	5169.4	5169.4	5181.0	5146.3
167.5°	5100.2	5054.0	5100.2	5100.2	5111.7	5111.7	5111.7	5134.8	5088.6
170°	5054.0	4961.7	5054.0	5054.0	5030.9	5030.9	5019.4	5088.6	5030.9
172.5°	4973.3	4950.2	4984.8	4984.8	5007.9	4996.3	4996.3	5007.9	4973.3
175°	4927.1	4938.6	4984.8	4950.2	4938.6	4950.2	4915.6	4950.2	4915.6
177.5°	4904.0	4904.0	4915.6	4927.1	4950.2	4927.1	4892.5	4927.1	4892.5
180°	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6	4915.6

(END OF REPORT)