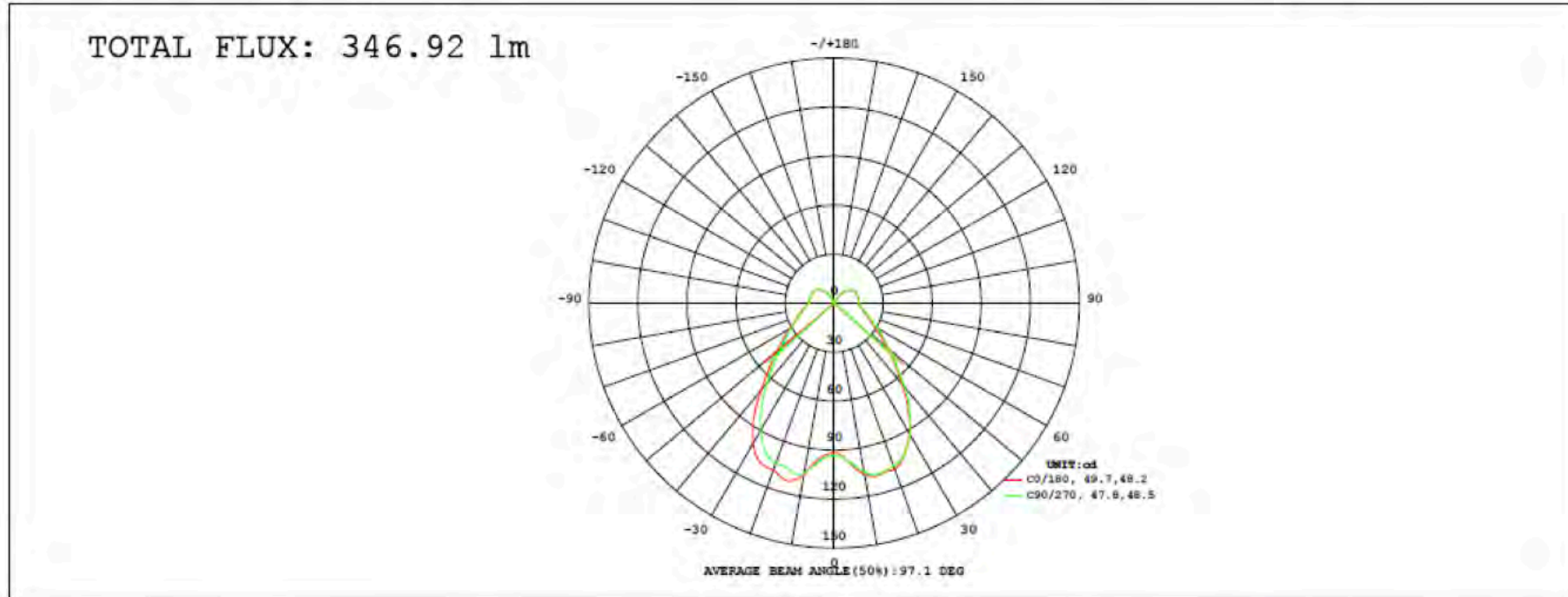


6 – Luminous Intensity Distribution Test Plots (CIE Chromaticity)

LAMP PHOTOMETRIC REPORT

Electrical: Voltage:120.0V Current:0.0451A Power:4.472W Factor:0.8257		
MODEL: 90886		
POWER: 4.7W	VOLTAGE: 120.0V	WORKING VOLTAGE: 120.0V
MANUFACTURER: P.Q.L., Inc.		Eff.: 77.58 lm/W



γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%
10	106.1	105.6	105.3	104.0	106.3	104.9	104.7	104.3	0- 10	9.532	9.532	2.75
20	109.0	110.7	104.2	101.0	108.1	106.3	106.2	107.5	10- 20	30.49	40.02	11.5
30	99.34	92.71	89.85	83.34	92.38	88.82	93.04	91.53	20- 30	45.98	86.00	24.8
40	69.64	66.94	63.98	60.17	64.47	62.63	66.77	67.02	30- 40	49.08	135.1	38.9
50	45.53	43.75	42.59	41.09	42.31	41.39	44.02	44.76	40- 50	41.03	176.1	50.8
60	31.34	30.67	30.38	28.64	28.20	28.46	30.24	31.01	50- 60	32.28	208.4	60.1
70	23.44	23.73	22.57	21.31	20.79	21.18	22.13	23.39	60- 70	25.53	233.9	67.4
80	18.82	19.34	18.34	17.36	16.86	17.10	17.43	18.92	70- 80	21.12	255.0	73.5
90	15.52	15.83	15.60	15.46	15.40	15.43	15.22	15.86	80- 90	18.12	273.2	78.7
100	15.06	15.24	15.24	15.14	15.06	15.17	15.28	15.50	90-100	16.79	289.9	83.6
110	14.76	14.83	14.88	14.83	14.87	15.03	15.20	15.20	100-110	15.98	305.9	88.2
120	14.51	14.57	14.15	14.32	14.40	14.64	14.93	15.22	110-120	14.74	320.7	92.4
130	13.11	13.03	12.80	12.36	12.15	12.16	12.81	13.38	120-130	12.54	333.2	96
140	10.23	10.20	10.19	8.725	8.730	8.731	9.882	10.49	130-140	8.717	341.9	98.6
150	4.960	4.594	3.209	1.609	1.445	2.200	3.187	4.486	140-150	4.247	346.2	99.8
160	0.7236	0.6953	0.5920	0.4463	0.4197	0.4645	0.5395	0.6611	150-160	0.6622	346.8	100
170	0	0	0	0	0	0	0	0	160-170	0.0841	346.9	100
180	0	0	0	0	0	0	0	0	170-180	0.0000	346.9	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:David

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.287
 Humidity:67.1%
 Test Distance:2.455m [K=1.0000]

LUMINOUS DISTRIBUTION INTENSITY DATA

Electrical: Voltage:120.0V Current:0.0451A Power:4.472W Factor:0.8257		
MODEL: 90886		
POWER: 4.7W	VOLTAGE: 120.0V	WORKING VOLTAGE: 120.0V
MANUFACTURER: P.Q.L., Inc.		Eff.: 77.58 lm/W

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338			
0	91.4	91.9	92.4	92.9	93.3	93.7	94.2	94.7	91.4	91.9	92.4	92.9	93.3	93.7	94.2	94.7			
5	94.7	95.3	95.9	96.2	96.6	97.7	98.9	99.5	97.3	97.4	97.5	97.4	97.1	96.8	96.5	96.9			
10	106	106	106	105	105	104	104	105	106	106	105	104	105	105	104	105			
15	113	112	111	108	106	105	106	106	109	108	109	109	108	109	109	109			
20	109	110	111	108	104	101	101	102	108	108	106	106	106	105	108	108			
25	107	107	102	99.7	99.9	96.0	92.3	93.2	102	102	97.6	97.6	102	104	101	99.9			
30	99.3	99.1	92.7	90.0	89.9	86.0	83.3	84.5	92.4	92.7	88.8	89.7	93.0	95.5	91.5	91.0			
35	85.9	85.2	81.0	77.9	77.3	74.3	71.9	72.9	78.7	79.6	75.8	77.5	80.4	82.6	80.5	80.5			
40	69.6	69.6	66.9	64.3	64.0	61.8	60.2	60.7	64.5	64.8	62.6	64.0	66.8	68.0	67.0	67.3			
45	56.0	56.0	53.8	51.9	52.1	50.5	49.4	49.8	52.6	52.7	50.6	51.5	53.7	55.1	54.5	55.2			
50	45.5	45.5	43.7	42.5	42.6	41.7	41.1	41.1	42.3	42.5	41.4	42.3	44.0	45.0	44.8	45.7			
55	37.9	37.7	36.4	35.3	35.6	34.8	34.3	34.2	34.4	34.6	34.5	35.4	36.7	37.5	37.3	38.3			
60	31.3	31.4	30.7	30.0	30.4	29.1	28.6	28.4	28.2	28.4	28.5	29.0	30.2	31.3	31.0	31.6			
65	26.7	26.9	26.8	26.4	26.0	25.1	24.4	24.2	24.0	24.3	24.3	24.7	25.5	26.5	26.7	27.3			
70	23.4	23.6	23.7	23.1	22.6	21.8	21.3	21.2	20.8	21.0	21.2	21.4	22.1	22.8	23.4	24.1			
75	20.9	20.9	21.2	20.8	20.1	19.4	19.1	18.9	18.5	18.6	18.9	19.0	19.5	20.1	20.9	21.4			
80	18.8	18.8	19.3	19.1	18.3	17.6	17.4	17.2	16.9	16.8	17.1	17.1	17.4	18.1	18.9	19.2			
85	17.0	17.0	17.5	17.5	16.8	16.3	16.1	16.0	15.7	15.6	15.8	15.8	16.0	16.5	17.2	17.5			
90	15.5	15.5	15.8	16.1	15.6	15.4	15.5	15.6	15.4	15.3	15.4	15.3	15.2	15.5	15.9	16.1			
95	15.2	15.1	15.4	15.6	15.4	15.2	15.3	15.4	15.3	15.3	15.4	15.3	15.2	15.5	15.7	15.7			
100	15.1	14.9	15.2	15.4	15.2	15.2	15.1	15.2	15.1	15.1	15.2	15.2	15.3	15.4	15.5	15.4			
105	14.9	14.8	15.0	15.2	15.2	15.2	15.1	15.1	14.9	15.0	15.0	15.1	15.2	15.3	15.3	15.3			
110	14.8	14.7	14.8	15.0	14.9	14.9	14.8	15.0	14.9	15.0	15.0	15.1	15.2	15.3	15.2	15.1			
115	14.7	14.6	14.7	14.8	14.5	14.7	14.7	14.9	14.7	14.8	14.9	15.1	15.2	15.3	15.2	15.1			
120	14.5	14.4	14.6	14.6	14.1	14.3	14.3	14.6	14.4	14.5	14.6	14.7	14.9	15.2	15.2	14.9			
125	14.2	14.0	14.1	14.1	13.8	13.8	13.7	14.0	13.8	13.9	14.0	14.0	14.3	14.7	14.9	14.7			
130	13.1	13.0	13.0	13.0	12.8	12.5	12.4	12.4	12.1	12.1	12.2	12.5	12.8	13.2	13.4	13.4			
135	11.5	11.3	11.3	11.4	11.3	10.9	10.9	10.9	10.8	10.6	10.7	11.0	11.3	11.6	11.7	11.8			
140	10.2	10.1	10.2	10.4	10.2	9.50	8.72	8.58	8.73	8.46	8.73	9.09	9.88	10.5	10.5	10.5			
145	7.84	7.90	7.83	7.58	6.88	6.38	5.76	5.06	5.18	5.19	5.60	6.00	6.76	7.51	7.96	8.01			
150	4.96	4.80	4.59	3.98	3.21	2.33	1.61	1.43	1.44	1.78	2.20	2.63	3.19	3.80	4.49	4.96			
155	1.60	1.53	1.32	1.11	0.99	0.86	0.78	0.76	0.75	0.78	0.82	0.87	0.97	1.20	1.41	1.60			
160	0.72	0.72	0.70	0.65	0.59	0.51	0.45	0.42	0.42	0.43	0.46	0.49	0.54	0.60	0.66	0.72			
165	0.39	0.37	0.37	0.34	0.29	0.23	0.18	0.15	0.15	0.16	0.18	0.21	0.25	0.29	0.34	0.38			
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01			
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
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γ Range: 0 - 180DEG
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 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.287
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