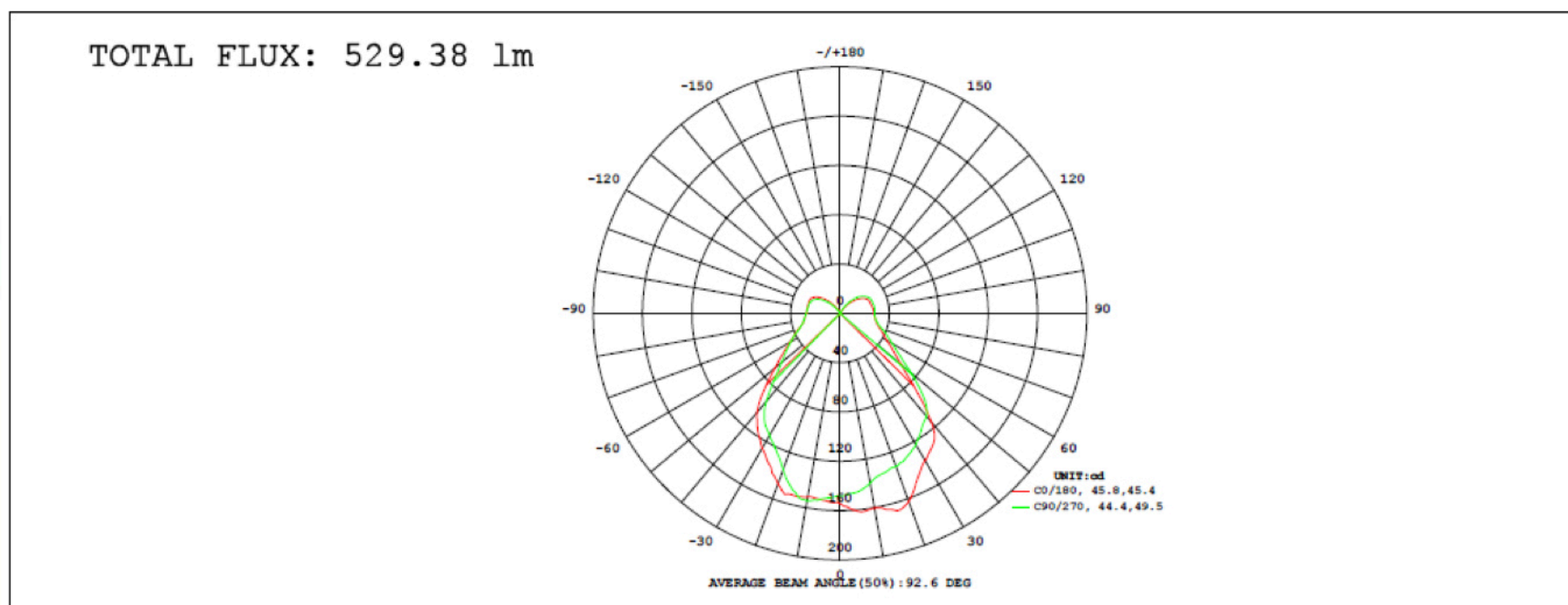


6 – Luminous Intensity Distribution Test Plots (CIE Chromaticity)

LAMP PHOTOMETRIC REPORT

Electrical: Voltage:120.0V Current:0.0569A Power:6.039W Factor:0.8832		
MODEL: 90888		
POWER: 6.5W	VOLTAGE: 120.0V	WORKING VOLTAGE: 120.0V
MANUFACTURER: P.Q.L., Inc.		Eff.: 87.66 lm/W



γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%
10	151.0	152.1	154.4	150.7	160.6	153.1	139.8	142.1	0- 10	14.30	14.30	2.7
20	147.3	136.5	135.0	137.6	162.4	153.4	132.1	146.7	10- 20	41.90	56.21	10.6
30	126.3	114.5	114.3	115.0	137.7	132.7	122.8	132.3	20- 30	61.56	117.8	22.2
40	104.8	95.62	92.86	92.70	115.2	112.9	108.8	113.7	30- 40	72.11	189.9	35.9
50	68.88	65.28	62.14	61.13	64.51	69.14	75.18	78.66	40- 50	65.83	255.7	48.3
60	47.30	48.09	46.33	46.17	43.85	46.06	48.51	50.11	50- 60	49.90	305.6	57.7
70	35.55	35.78	34.96	34.75	33.58	34.44	36.10	36.92	60- 70	39.99	345.6	65.3
80	29.59	29.62	29.69	29.68	29.05	28.45	29.30	29.58	70- 80	33.38	379.0	71.6
90	27.47	27.49	27.65	28.22	27.44	27.09	28.08	27.68	80- 90	30.93	409.9	77.4
100	26.98	26.91	26.61	27.38	26.78	27.15	28.35	27.34	90-100	29.84	439.7	83.1
110	27.05	26.60	26.01	26.47	25.83	26.31	27.79	27.03	100-110	28.36	468.1	88.4
120	25.65	24.25	22.98	23.44	24.01	25.11	26.28	25.91	110-120	25.82	493.9	93.3
130	19.16	16.54	15.32	16.54	17.81	19.92	21.60	20.79	120-130	19.72	513.6	97
140	9.845	8.346	6.550	8.022	9.481	11.44	12.77	10.86	130-140	11.09	524.7	99.1
150	3.430	2.435	1.764	2.242	2.554	3.109	4.177	3.844	140-150	3.684	528.4	99.8
160	1.029	0.7640	0.5842	0.6909	0.8381	1.073	1.328	1.281	150-160	0.8220	529.2	100
170	0.0452	0.0014	0	0	0	0.0455	0.2477	0.2999	160-170	0.1523	529.4	100
180	0	0	0	0	0	0	0	0	170-180	0.0015	529.4	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:0.0569A Power:6.039W Factor:0.8832		
MODEL: 90888		
POWER: 6.5W	VOLTAGE: 120.0V	WORKING VOLTAGE: 120.0V
MANUFACTURER: P.Q.L., Inc.		Eff.: 87.66 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	154	153	151	149	148	146	145	144	154	153	151	149	148	146	145	144			
5	152	152	152	151	151	151	150	148	161	158	153	149	146	143	142	144			
10	151	150	152	152	154	152	151	148	161	158	153	147	140	139	142	145			
15	152	151	152	146	149	146	151	150	165	159	151	143	134	137	148	152			
20	147	142	137	132	135	135	138	141	162	160	153	142	132	137	147	153			
25	136	127	123	121	123	123	124	129	148	145	146	137	128	133	142	145			
30	126	121	115	114	114	116	115	120	138	133	133	130	123	128	132	136			
35	116	109	106	105	107	106	107	109	131	123	123	123	115	123	123	127			
40	105	96.4	95.6	91.5	92.9	91.0	92.7	92.5	115	111	113	110	109	110	114	114			
45	86.5	79.9	79.8	76.1	75.2	74.3	74.0	72.3	85.8	88.7	91.8	93.2	95.7	96.4	101	98.2			
50	68.9	65.4	65.3	62.9	62.1	61.5	61.1	58.3	64.5	67.0	69.1	71.4	75.2	76.0	78.7	76.4			
55	56.5	54.8	55.5	53.6	53.4	52.8	52.7	49.3	52.3	53.5	54.8	55.7	58.7	59.3	61.4	59.1			
60	47.3	46.2	48.1	46.7	46.3	45.6	46.2	42.9	43.8	44.1	46.1	46.2	48.5	48.7	50.1	47.1			
65	40.7	40.1	42.4	40.3	40.2	39.5	40.7	38.0	38.2	37.8	40.1	39.8	42.1	41.8	42.4	39.8			
70	35.6	35.2	35.8	35.2	35.0	34.6	34.7	34.0	33.6	33.1	34.4	34.4	36.1	36.0	36.9	34.8			
75	31.4	31.6	31.7	31.5	31.5	31.3	31.4	31.1	30.7	30.2	30.4	30.7	31.6	32.0	32.0	31.0			
80	29.6	29.5	29.6	29.5	29.7	29.7	29.7	29.4	29.0	28.5	28.5	28.7	29.3	29.6	29.6	28.9			
85	28.3	28.4	28.4	28.4	28.5	28.7	28.8	28.5	28.1	27.7	27.7	28.0	28.4	28.7	28.3	27.9			
90	27.5	27.6	27.5	27.5	27.7	28.0	28.2	27.9	27.4	27.1	27.1	27.6	28.1	28.1	27.7	27.4			
95	27.1	27.0	27.0	26.9	27.0	27.3	27.9	27.5	27.2	27.0	27.3	27.7	28.3	28.0	27.5	27.0			
100	27.0	26.8	26.9	26.7	26.6	26.8	27.4	27.0	26.8	26.5	27.1	27.8	28.4	27.8	27.3	26.5			
105	26.9	26.6	26.7	26.5	26.2	26.4	26.9	26.4	26.2	26.0	26.8	27.6	28.1	27.6	27.2	26.4			
110	27.1	26.7	26.6	26.5	26.0	26.2	26.5	26.0	25.8	25.6	26.3	27.3	27.8	27.5	27.0	26.5			
115	27.0	26.5	26.1	25.9	25.1	25.2	25.5	25.3	25.4	25.3	26.1	27.2	27.5	27.4	26.8	26.7			
120	25.6	24.7	24.3	23.7	23.0	23.1	23.4	23.5	24.0	24.2	25.1	26.0	26.3	26.6	25.9	25.9			
125	23.2	21.9	21.1	20.1	19.8	20.0	20.4	20.5	21.3	21.9	22.8	23.9	24.3	24.5	24.0	23.9			
130	19.2	17.7	16.5	15.7	15.3	15.6	16.5	17.3	17.8	18.6	19.9	20.8	21.6	21.1	20.8	20.0			
135	15.1	13.7	12.4	11.4	10.9	11.4	12.2	13.1	13.8	14.9	16.2	16.9	17.7	16.9	16.2	15.9			
140	9.85	9.17	8.35	7.40	6.55	6.92	8.02	8.66	9.48	9.93	11.4	12.4	12.8	12.4	10.9	10.8			
145	5.68	4.87	4.33	3.76	3.56	3.52	3.57	4.29	4.76	5.59	6.75	7.31	7.17	7.61	7.11	6.44			
150	3.43	2.98	2.44	1.90	1.76	2.03	2.24	2.17	2.55	2.82	3.11	3.67	4.18	3.93	3.84	3.81			
155	1.68	1.54	1.34	1.16	1.09	1.14	1.25	1.35	1.50	1.62	1.83	2.00	2.05	2.06	2.07	1.95			
160	1.03	0.90	0.76	0.64	0.58	0.62	0.69	0.74	0.84	0.90	1.07	1.23	1.33	1.32	1.28	1.20			
165	0.57	0.49	0.40	0.31	0.25	0.23	0.26	0.31	0.40	0.43	0.54	0.65	0.73	0.76	0.73	0.68			
170	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.17	0.25	0.29	0.30	0.29			
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
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γ Range: 0 - 180DEG
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