

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: EPHESUS

Report Number: P640294 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08PR-500PL-RGB-4S_RED ONLY**

Issue Date: 2/13/2023

Test Information

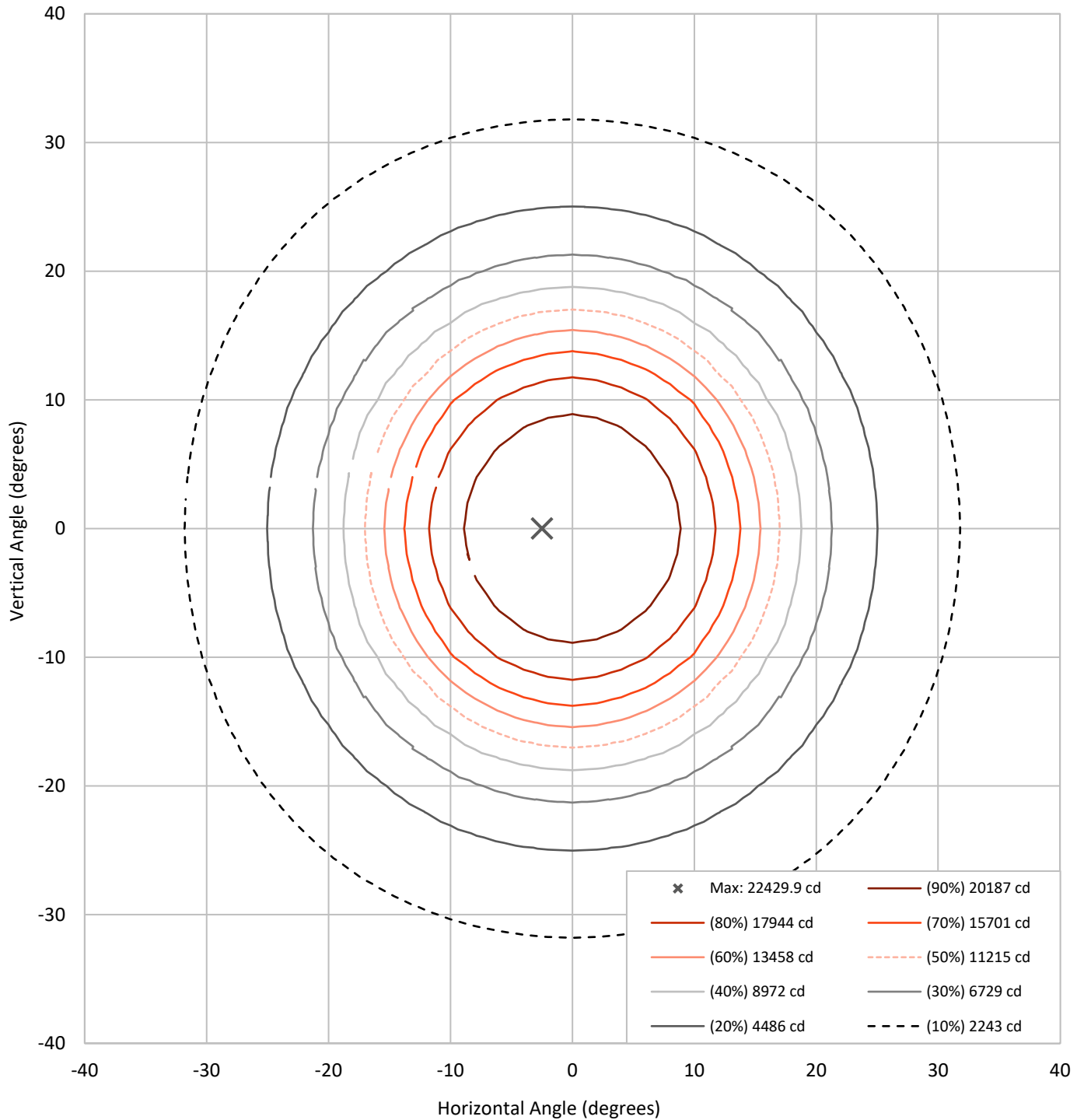
Test Method: LM-79-08
Report Number: P640294 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-885-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-08PR-500PL-RGB-4S_RED ONLY
Description: LUMASPORT 8 PRISM RGB
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	9244.4 lumens	Max Intensity:	22429.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	38.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.9°H x 33.6°V	Field Angle (10%):	63.6°H x 63.4°V
Beam Lumens:	4812.6 lumens	Field Lumens:	8106.1 lumens
Beam Efficiency:	52.1%	Field Efficiency:	87.7%
Input Watts (W):	242.3		
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-Candela Plot



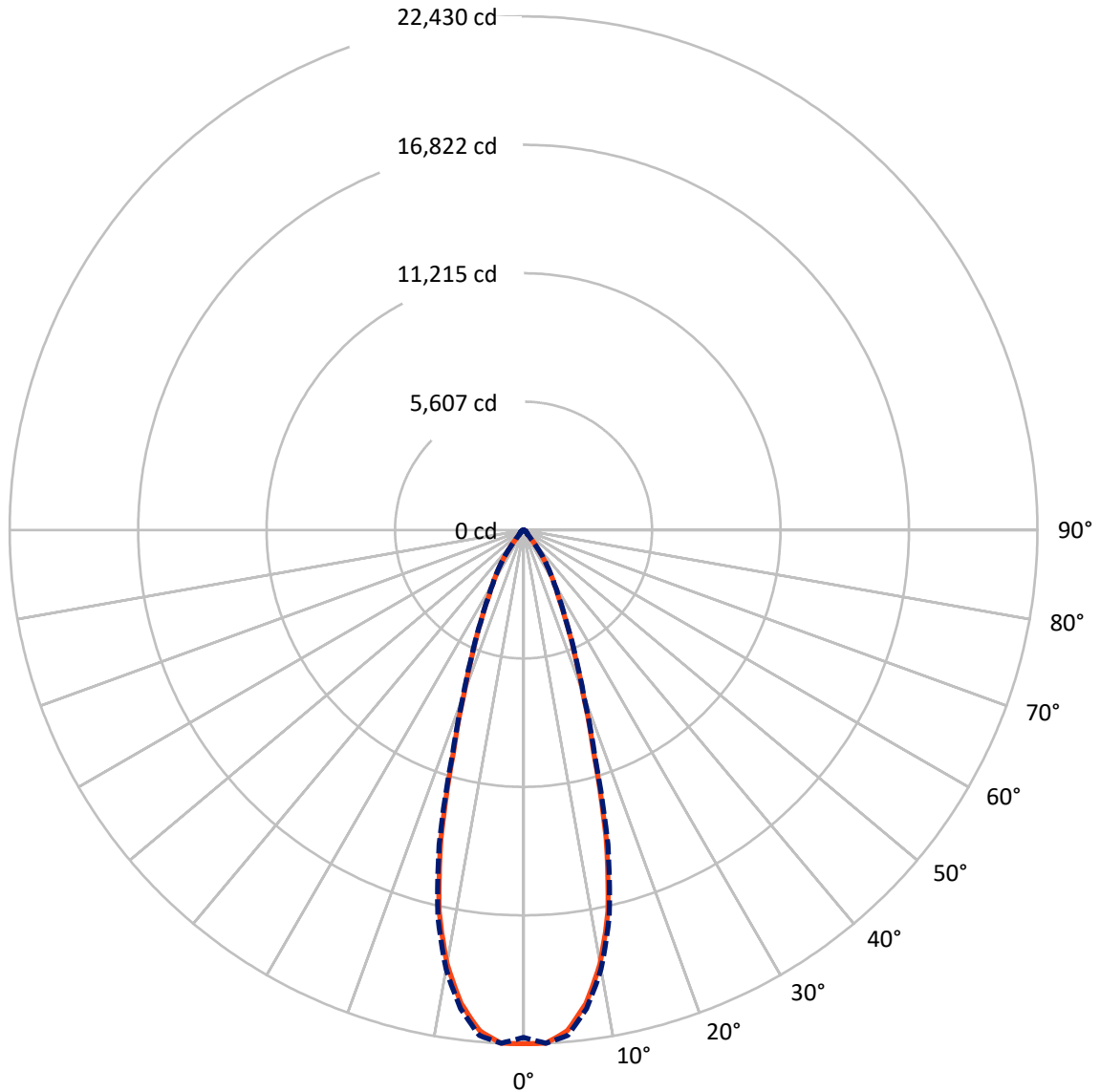
REPORT NUMBER: P640294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-4S_RED ONLY

Lumen Table

90	0.0	0.1	0.3	0.7	0.9	0.7	0.3	0.1	0.0										
80	0.0	0.1	0.3	0.7	0.9	0.7	0.3	0.1	0.0										
70	0.0	0.1	0.2	0.5	1.0	1.5	2.0	2.2	2.2	2.0	1.5	1.0	0.5	0.2	0.1	0.0			
60		0.1	0.5	1.4	2.4	3.2	3.8	4.2	4.2	3.8	3.2	2.4	1.4	0.5	0.1				
50	0.1	0.3	1.2	2.3	3.5	5.0	6.6	8.1	8.1	6.6	5.0	3.5	2.3	1.2	0.3	0.1			
40		0.5	1.7	3.1	5.2	12.4	30.3	44.9	44.9	30.3	12.4	5.2	3.1	1.7	0.5				
30	0.2	0.7	2.0	3.9	11.3	44.1	90.4	133.6	133.6	90.4	44.1	11.3	3.9	2.0	0.7	0.2			
20		0.9	2.3	4.9	26.0	85.1	210.8	381.9	381.9	210.8	85.1	26.0	4.9	2.3	0.9				
10	0.3	1.0	2.4	5.8	37.4	122.3	371.5	622.4	622.4	371.5	122.3	37.4	5.8	2.4	1.0	0.3			
0		1.0	2.4	5.8	37.4	122.3	371.5	622.4	622.4	371.5	122.3	37.4	5.8	2.4	1.0				
-10	0.2	0.9	2.3	4.9	26.0	85.1	210.8	381.9	381.9	210.8	85.1	26.0	4.9	2.3	0.9	0.2			
-20		0.7	2.0	3.9	11.3	44.1	90.4	133.6	133.6	90.4	44.1	11.3	3.9	2.0	0.7				
-30	0.1	0.5	1.7	3.1	5.2	12.4	30.3	44.9	44.9	30.3	12.4	5.2	3.1	1.7	0.5	0.1			
-40		0.3	1.2	2.3	3.5	5.0	6.6	8.1	8.1	6.6	5.0	3.5	2.3	1.2	0.3				
-50	0.0	0.1	0.5	1.4	2.4	3.2	3.8	4.2	4.2	3.8	3.2	2.4	1.4	0.5	0.1	0.0			
-60		0.1	0.2	0.5	1.0	1.5	2.0	2.2	2.2	2.0	1.5	1.0	0.5	0.2	0.1				
-70	0.0	0.1	0.2	0.5	1.0	1.5	2.0	2.2	2.2	2.0	1.5	1.0	0.5	0.2	0.1	0.0			
-80		0.1	0.2	0.5	1.0	1.5	2.0	2.2	2.2	2.0	1.5	1.0	0.5	0.2	0.1				
-90	0.0	0.1	0.3	0.7	0.9	0.7	0.3	0.1	0.0										

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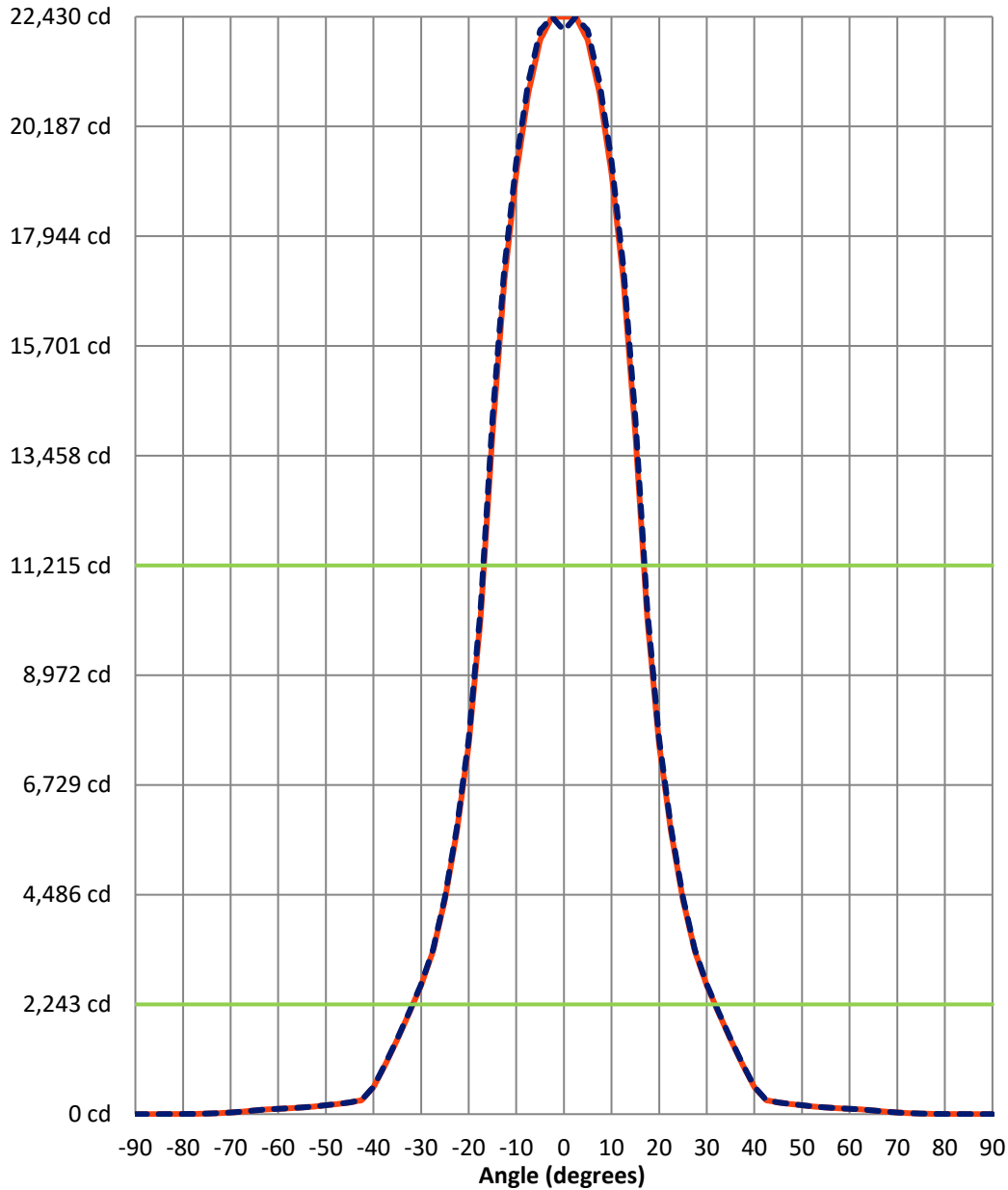
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 33.9°
 V Angle: 33.6°
 Lumens: 4812.6
 Efficiency: 52.1%

Field:
 H Angle: 63.6°
 V Angle: 63.4°
 Lumens: 8106.1
 Efficiency: 87.7%

Spill:
 Lumens: 1138.4
 Efficiency: 12.3%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through 0-Deg



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	1	1
77.5°	0	0	0	0	0	0	0	0	1	1	1
75°	0	0	0	0	0	0	1	1	1	1	2
72.5°	0	0	0	0	0	0	1	1	1	2	2
70°	0	0	0	0	0	1	1	1	2	2	2
67.5°	0	0	0	0	1	1	1	2	2	2	3
65°	0	0	0	0	1	1	2	2	2	3	3
62.5°	0	0	0	0	1	1	2	2	3	3	5
60°	0	0	0	0	1	1	2	2	3	4	6
57.5°	0	0	0	1	1	2	2	3	4	5	7
55°	0	0	0	1	1	2	2	3	5	6	10
52.5°	0	0	0	1	1	2	3	4	5	8	12
50°	0	0	0	1	2	2	3	4	6	10	14
47.5°	0	0	0	1	2	2	3	5	8	12	17
45°	0	0	0	1	2	3	4	6	10	14	20
42.5°	0	0	0	1	2	3	4	7	11	16	24
40°	0	0	1	1	2	3	5	8	13	19	28
37.5°	0	0	1	1	2	3	5	9	14	21	32
35°	0	0	1	1	2	3	6	10	16	24	36
32.5°	0	0	1	2	2	4	6	11	18	27	40
30°	0	0	1	2	2	4	7	12	19	30	45
27.5°	0	0	1	2	3	4	8	14	21	33	49
25°	0	0	1	2	3	5	9	15	23	36	52
22.5°	0	0	1	2	3	5	9	16	25	39	56
20°	0	0	1	2	3	5	10	17	27	42	60
17.5°	0	0	1	2	3	5	10	17	29	44	64
15°	0	0	1	2	3	5	11	18	30	46	67
12.5°	0	0	1	2	3	6	11	19	31	48	69
10°	0	0	1	2	3	6	11	19	32	49	71
7.5°	0	0	1	2	3	6	12	20	33	51	73
5°	0	0	1	2	3	6	12	20	34	51	74
2.5°	0	0	1	2	3	6	12	20	34	52	75
0°	0	0	1	2	3	6	12	20	34	52	75
-2.5°	0	0	1	2	3	6	12	20	34	52	75
-5°	0	0	1	2	3	6	12	20	34	51	74
-7.5°	0	0	1	2	3	6	12	20	33	51	73
-10°	0	0	1	2	3	6	11	19	32	49	71
-12.5°	0	0	1	2	3	6	11	19	31	48	69
-15°	0	0	1	2	3	5	11	18	30	46	67
-17.5°	0	0	1	2	3	5	10	17	29	44	64
-20°	0	0	1	2	3	5	10	17	27	42	60



REPORT NUMBER: P640294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-4S_RED ONLY

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	0	1	2	3	5	9	16	25	39	56
-25°	0	0	1	2	3	5	9	15	23	36	52
-27.5°	0	0	1	2	3	4	8	14	21	33	49
-30°	0	0	1	2	2	4	7	12	19	30	45
-32.5°	0	0	1	2	2	4	6	11	18	27	40
-35°	0	0	1	1	2	3	6	10	16	24	36
-37.5°	0	0	1	1	2	3	5	9	14	21	32
-40°	0	0	1	1	2	3	5	8	13	19	28
-42.5°	0	0	0	1	2	3	4	7	11	16	24
-45°	0	0	0	1	2	3	4	6	10	14	20
-47.5°	0	0	0	1	2	2	3	5	8	12	17
-50°	0	0	0	1	2	2	3	4	6	10	14
-52.5°	0	0	0	1	1	2	3	4	5	8	12
-55°	0	0	0	1	1	2	2	3	5	6	10
-57.5°	0	0	0	1	1	2	2	3	4	5	7
-60°	0	0	0	0	1	1	2	2	3	4	6
-62.5°	0	0	0	0	1	1	2	2	3	3	5
-65°	0	0	0	0	1	1	2	2	2	3	3
-67.5°	0	0	0	0	1	1	1	2	2	2	3
-70°	0	0	0	0	0	1	1	1	2	2	2
-72.5°	0	0	0	0	0	0	1	1	1	2	2
-75°	0	0	0	0	0	0	1	1	1	1	2
-77.5°	0	0	0	0	0	0	0	0	1	1	1
-80°	0	0	0	0	0	0	0	0	0	1	1
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P640294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-4S_RED ONLY

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	1	1
82.5°	0	0	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	2	2	2	2	2	2
77.5°	1	1	2	2	2	2	2	3	3	3	3
75°	2	2	2	2	3	3	3	4	4	5	5
72.5°	2	2	3	3	4	4	5	6	7	8	9
70°	3	3	4	5	5	6	8	10	11	13	14
67.5°	3	4	5	6	8	10	12	14	16	19	21
65°	5	6	7	10	12	14	17	20	24	28	32
62.5°	6	8	10	13	16	19	24	29	33	39	45
60°	8	11	14	17	21	27	33	39	46	52	60
57.5°	10	14	18	23	29	35	43	51	60	69	77
55°	13	17	23	30	37	46	55	65	75	84	93
52.5°	16	21	29	37	47	57	68	79	90	98	104
50°	19	27	35	46	57	70	81	93	101	107	112
47.5°	24	33	43	55	68	81	94	102	108	115	121
45°	29	39	51	65	79	93	102	109	116	123	131
42.5°	33	46	60	75	90	101	108	116	124	133	143
40°	39	52	69	84	98	107	115	123	133	144	154
37.5°	45	60	77	93	104	112	121	131	143	154	172
35°	50	67	85	100	109	118	128	140	152	170	188
32.5°	56	74	92	104	113	123	135	149	166	185	203
30°	62	81	98	108	118	129	143	158	179	199	219
27.5°	67	87	102	112	122	135	150	170	191	212	236
25°	73	92	105	115	127	142	158	181	202	227	258
22.5°	77	97	108	119	132	147	168	191	214	241	279
20°	81	100	111	122	136	153	176	199	225	259	363
17.5°	85	102	113	125	141	158	184	207	236	276	468
15°	88	104	115	128	144	165	190	215	248	311	564
12.5°	91	105	117	131	148	170	196	223	259	385	703
10°	93	107	118	133	150	175	200	229	269	447	819
7.5°	95	108	120	135	152	178	204	234	276	496	911
5°	96	108	120	136	154	181	206	237	282	531	977
2.5°	97	109	121	137	155	182	208	239	285	552	1017
0°	97	109	121	137	155	183	208	240	286	559	1030
-2.5°	97	109	121	137	155	182	208	239	285	552	1017
-5°	96	108	120	136	154	181	206	237	282	531	977
-7.5°	95	108	120	135	152	178	204	234	276	496	911
-10°	93	107	118	133	150	175	200	229	269	447	819
-12.5°	91	105	117	131	148	170	196	223	259	385	703
-15°	88	104	115	128	144	165	190	215	248	311	564
-17.5°	85	102	113	125	141	158	184	207	236	276	468
-20°	81	100	111	122	136	153	176	199	225	259	363



REPORT NUMBER: P640294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-4S_RED ONLY

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	77	97	108	119	132	147	168	191	214	241	279
-25°	73	92	105	115	127	142	158	181	202	227	258
-27.5°	67	87	102	112	122	135	150	170	191	212	236
-30°	62	81	98	108	118	129	143	158	179	199	219
-32.5°	56	74	92	104	113	123	135	149	166	185	203
-35°	50	67	85	100	109	118	128	140	152	170	188
-37.5°	45	60	77	93	104	112	121	131	143	154	172
-40°	39	52	69	84	98	107	115	123	133	144	154
-42.5°	33	46	60	75	90	101	108	116	124	133	143
-45°	29	39	51	65	79	93	102	109	116	123	131
-47.5°	24	33	43	55	68	81	94	102	108	115	121
-50°	19	27	35	46	57	70	81	93	101	107	112
-52.5°	16	21	29	37	47	57	68	79	90	98	104
-55°	13	17	23	30	37	46	55	65	75	84	93
-57.5°	10	14	18	23	29	35	43	51	60	69	77
-60°	8	11	14	17	21	27	33	39	46	52	60
-62.5°	6	8	10	13	16	19	24	29	33	39	45
-65°	5	6	7	10	12	14	17	20	24	28	32
-67.5°	3	4	5	6	8	10	12	14	16	19	21
-70°	3	3	4	5	5	6	8	10	11	13	14
-72.5°	2	2	3	3	4	4	5	6	7	8	9
-75°	2	2	2	2	3	3	3	4	4	5	5
-77.5°	1	1	2	2	2	2	2	3	3	3	3
-80°	1	1	1	1	1	2	2	2	2	2	2
-82.5°	0	0	1	1	1	1	1	1	1	1	1
-85°	0	0	0	0	0	0	0	0	0	1	1
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P640294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-4S_RED ONLY

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	2	2	2	2	2	2	2	2	2	2
80°	2	2	2	3	3	3	3	3	3	3	3
77.5°	3	4	4	4	5	5	5	5	5	6	6
75°	6	6	7	8	9	9	10	10	11	11	11
72.5°	10	11	12	14	15	16	17	17	18	19	19
70°	16	18	19	21	23	25	27	29	30	31	32
67.5°	24	27	30	33	36	39	42	44	46	48	49
65°	36	40	45	49	52	56	60	64	67	69	71
62.5°	50	56	62	67	73	77	81	85	88	91	93
60°	67	74	81	87	92	97	100	102	104	105	107
57.5°	85	92	98	102	105	108	111	113	115	117	118
55°	100	104	108	112	115	119	122	125	128	131	133
52.5°	109	113	118	122	127	132	136	141	144	148	150
50°	118	123	129	135	142	147	153	158	165	170	175
47.5°	128	135	143	150	158	168	176	184	190	196	200
45°	140	149	158	170	181	191	199	207	215	223	229
42.5°	152	166	179	191	202	214	225	236	248	259	269
40°	170	185	199	212	227	241	259	276	311	385	447
37.5°	188	203	219	236	258	279	363	468	564	703	819
35°	204	223	243	269	334	470	621	818	993	1154	1291
32.5°	223	246	275	387	543	783	1015	1244	1450	1634	1793
30°	243	275	405	595	881	1161	1432	1690	1927	2136	2318
27.5°	269	387	595	914	1235	1548	1859	2148	2417	2653	2901
25°	334	543	881	1235	1590	1945	2288	2611	2965	3287	3660
22.5°	470	783	1161	1548	1945	2336	2724	3158	3652	4184	4706
20°	621	1015	1432	1859	2288	2724	3224	3860	4537	5311	6016
17.5°	818	1244	1690	2148	2611	3158	3860	4685	5625	6655	7611
15°	993	1450	1927	2417	2965	3652	4537	5625	6874	8273	9844
12.5°	1154	1634	2136	2653	3287	4184	5311	6655	8273	10225	12733
10°	1291	1793	2318	2901	3660	4706	6016	7611	9844	12733	15467
7.5°	1399	1919	2463	3100	3991	5194	6717	8744	11532	14853	17316
5°	1478	2011	2569	3245	4234	5553	7238	9614	12989	16261	18521
2.5°	1525	2066	2633	3333	4382	5774	7559	10155	13907	17046	19228
0°	1541	2085	2654	3363	4432	5848	7667	10339	14221	17293	19474
-2.5°	1525	2066	2633	3333	4382	5774	7559	10155	13907	17046	19228
-5°	1478	2011	2569	3245	4234	5553	7238	9614	12989	16261	18521
-7.5°	1399	1919	2463	3100	3991	5194	6717	8744	11532	14853	17316
-10°	1291	1793	2318	2901	3660	4706	6016	7611	9844	12733	15467
-12.5°	1154	1634	2136	2653	3287	4184	5311	6655	8273	10225	12733
-15°	993	1450	1927	2417	2965	3652	4537	5625	6874	8273	9844
-17.5°	818	1244	1690	2148	2611	3158	3860	4685	5625	6655	7611
-20°	621	1015	1432	1859	2288	2724	3224	3860	4537	5311	6016



REPORT NUMBER: P640294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-4S_RED ONLY

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	470	783	1161	1548	1945	2336	2724	3158	3652	4184	4706
-25°	334	543	881	1235	1590	1945	2288	2611	2965	3287	3660
-27.5°	269	387	595	914	1235	1548	1859	2148	2417	2653	2901
-30°	243	275	405	595	881	1161	1432	1690	1927	2136	2318
-32.5°	223	246	275	387	543	783	1015	1244	1450	1634	1793
-35°	204	223	243	269	334	470	621	818	993	1154	1291
-37.5°	188	203	219	236	258	279	363	468	564	703	819
-40°	170	185	199	212	227	241	259	276	311	385	447
-42.5°	152	166	179	191	202	214	225	236	248	259	269
-45°	140	149	158	170	181	191	199	207	215	223	229
-47.5°	128	135	143	150	158	168	176	184	190	196	200
-50°	118	123	129	135	142	147	153	158	165	170	175
-52.5°	109	113	118	122	127	132	136	141	144	148	150
-55°	100	104	108	112	115	119	122	125	128	131	133
-57.5°	85	92	98	102	105	108	111	113	115	117	118
-60°	67	74	81	87	92	97	100	102	104	105	107
-62.5°	50	56	62	67	73	77	81	85	88	91	93
-65°	36	40	45	49	52	56	60	64	67	69	71
-67.5°	24	27	30	33	36	39	42	44	46	48	49
-70°	16	18	19	21	23	25	27	29	30	31	32
-72.5°	10	11	12	14	15	16	17	17	18	19	19
-75°	6	6	7	8	9	9	10	10	11	11	11
-77.5°	3	4	4	4	5	5	5	5	5	6	6
-80°	2	2	2	3	3	3	3	3	3	3	3
-82.5°	1	2	2	2	2	2	2	2	2	2	2
-85°	1	1	1	1	1	1	1	1	1	1	1
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P640294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-4S_RED ONLY

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
82.5°	2	2	2	2	2	2	2	2	2	2	2
80°	3	3	3	3	3	3	3	3	3	3	3
77.5°	6	6	6	6	6	6	6	6	6	5	5
75°	12	12	12	12	12	12	12	11	11	11	10
72.5°	20	20	20	20	20	20	20	19	19	18	17
70°	33	34	34	34	34	34	33	32	31	30	29
67.5°	51	51	52	52	52	51	51	49	48	46	44
65°	73	74	75	75	75	74	73	71	69	67	64
62.5°	95	96	97	97	97	96	95	93	91	88	85
60°	108	108	109	109	109	108	108	107	105	104	102
57.5°	120	120	121	121	121	120	120	118	117	115	113
55°	135	136	137	137	137	136	135	133	131	128	125
52.5°	152	154	155	155	155	154	152	150	148	144	141
50°	178	181	182	183	182	181	178	175	170	165	158
47.5°	204	206	208	208	208	206	204	200	196	190	184
45°	234	237	239	240	239	237	234	229	223	215	207
42.5°	276	282	285	286	285	282	276	269	259	248	236
40°	496	531	552	559	552	531	496	447	385	311	276
37.5°	911	977	1017	1030	1017	977	911	819	703	564	468
35°	1399	1478	1525	1541	1525	1478	1399	1291	1154	993	818
32.5°	1919	2011	2066	2085	2066	2011	1919	1793	1634	1450	1244
30°	2463	2569	2633	2654	2633	2569	2463	2318	2136	1927	1690
27.5°	3100	3245	3333	3363	3333	3245	3100	2901	2653	2417	2148
25°	3991	4234	4382	4432	4382	4234	3991	3660	3287	2965	2611
22.5°	5194	5553	5774	5848	5774	5553	5194	4706	4184	3652	3158
20°	6717	7238	7559	7667	7559	7238	6717	6016	5311	4537	3860
17.5°	8744	9614	10155	10339	10155	9614	8744	7611	6655	5625	4685
15°	11532	12989	13907	14221	13907	12989	11532	9844	8273	6874	5625
12.5°	14853	16261	17046	17293	17046	16261	14853	12733	10225	8273	6655
10°	17316	18521	19228	19474	19228	18521	17316	15467	12733	9844	7611
7.5°	18997	20165	20856	21075	20856	20165	18997	17316	14853	11532	8744
5°	20165	21310	21949	22146	21949	21310	20165	18521	16261	12989	9614
2.5°	20856	21949	22426	22430	22426	21949	20856	19228	17046	13907	10155
0°	21075	22146	22430	22148	22430	22146	21075	19474	17293	14221	10339
-2.5°	20856	21949	22426	22430	22426	21949	20856	19228	17046	13907	10155
-5°	20165	21310	21949	22146	21949	21310	20165	18521	16261	12989	9614
-7.5°	18997	20165	20856	21075	20856	20165	18997	17316	14853	11532	8744
-10°	17316	18521	19228	19474	19228	18521	17316	15467	12733	9844	7611
-12.5°	14853	16261	17046	17293	17046	16261	14853	12733	10225	8273	6655
-15°	11532	12989	13907	14221	13907	12989	11532	9844	8273	6874	5625
-17.5°	8744	9614	10155	10339	10155	9614	8744	7611	6655	5625	4685
-20°	6717	7238	7559	7667	7559	7238	6717	6016	5311	4537	3860



REPORT NUMBER: P640294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-4S_RED ONLY

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5194	5553	5774	5848	5774	5553	5194	4706	4184	3652	3158
-25°	3991	4234	4382	4432	4382	4234	3991	3660	3287	2965	2611
-27.5°	3100	3245	3333	3363	3333	3245	3100	2901	2653	2417	2148
-30°	2463	2569	2633	2654	2633	2569	2463	2318	2136	1927	1690
-32.5°	1919	2011	2066	2085	2066	2011	1919	1793	1634	1450	1244
-35°	1399	1478	1525	1541	1525	1478	1399	1291	1154	993	818
-37.5°	911	977	1017	1030	1017	977	911	819	703	564	468
-40°	496	531	552	559	552	531	496	447	385	311	276
-42.5°	276	282	285	286	285	282	276	269	259	248	236
-45°	234	237	239	240	239	237	234	229	223	215	207
-47.5°	204	206	208	208	208	206	204	200	196	190	184
-50°	178	181	182	183	182	181	178	175	170	165	158
-52.5°	152	154	155	155	155	154	152	150	148	144	141
-55°	135	136	137	137	137	136	135	133	131	128	125
-57.5°	120	120	121	121	121	120	120	118	117	115	113
-60°	108	108	109	109	109	108	108	107	105	104	102
-62.5°	95	96	97	97	97	96	95	93	91	88	85
-65°	73	74	75	75	75	74	73	71	69	67	64
-67.5°	51	51	52	52	52	51	51	49	48	46	44
-70°	33	34	34	34	34	34	33	32	31	30	29
-72.5°	20	20	20	20	20	20	20	19	19	18	17
-75°	12	12	12	12	12	12	12	11	11	11	10
-77.5°	6	6	6	6	6	6	6	6	6	5	5
-80°	3	3	3	3	3	3	3	3	3	3	3
-82.5°	2	2	2	2	2	2	2	2	2	2	2
-85°	1	1	1	1	1	1	1	1	1	1	1
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P640294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-4S_RED ONLY

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	0	0
82.5°	2	2	2	2	2	2	1	1	1	1	1
80°	3	3	3	3	2	2	2	2	2	2	2
77.5°	5	5	5	4	4	4	3	3	3	3	3
75°	10	9	9	8	7	6	6	5	5	4	4
72.5°	17	16	15	14	12	11	10	9	8	7	6
70°	27	25	23	21	19	18	16	14	13	11	10
67.5°	42	39	36	33	30	27	24	21	19	16	14
65°	60	56	52	49	45	40	36	32	28	24	20
62.5°	81	77	73	67	62	56	50	45	39	33	29
60°	100	97	92	87	81	74	67	60	52	46	39
57.5°	111	108	105	102	98	92	85	77	69	60	51
55°	122	119	115	112	108	104	100	93	84	75	65
52.5°	136	132	127	122	118	113	109	104	98	90	79
50°	153	147	142	135	129	123	118	112	107	101	93
47.5°	176	168	158	150	143	135	128	121	115	108	102
45°	199	191	181	170	158	149	140	131	123	116	109
42.5°	225	214	202	191	179	166	152	143	133	124	116
40°	259	241	227	212	199	185	170	154	144	133	123
37.5°	363	279	258	236	219	203	188	172	154	143	131
35°	621	470	334	269	243	223	204	188	170	152	140
32.5°	1015	783	543	387	275	246	223	203	185	166	149
30°	1432	1161	881	595	405	275	243	219	199	179	158
27.5°	1859	1548	1235	914	595	387	269	236	212	191	170
25°	2288	1945	1590	1235	881	543	334	258	227	202	181
22.5°	2724	2336	1945	1548	1161	783	470	279	241	214	191
20°	3224	2724	2288	1859	1432	1015	621	363	259	225	199
17.5°	3860	3158	2611	2148	1690	1244	818	468	276	236	207
15°	4537	3652	2965	2417	1927	1450	993	564	311	248	215
12.5°	5311	4184	3287	2653	2136	1634	1154	703	385	259	223
10°	6016	4706	3660	2901	2318	1793	1291	819	447	269	229
7.5°	6717	5194	3991	3100	2463	1919	1399	911	496	276	234
5°	7238	5553	4234	3245	2569	2011	1478	977	531	282	237
2.5°	7559	5774	4382	3333	2633	2066	1525	1017	552	285	239
0°	7667	5848	4432	3363	2654	2085	1541	1030	559	286	240
-2.5°	7559	5774	4382	3333	2633	2066	1525	1017	552	285	239
-5°	7238	5553	4234	3245	2569	2011	1478	977	531	282	237
-7.5°	6717	5194	3991	3100	2463	1919	1399	911	496	276	234
-10°	6016	4706	3660	2901	2318	1793	1291	819	447	269	229
-12.5°	5311	4184	3287	2653	2136	1634	1154	703	385	259	223
-15°	4537	3652	2965	2417	1927	1450	993	564	311	248	215
-17.5°	3860	3158	2611	2148	1690	1244	818	468	276	236	207
-20°	3224	2724	2288	1859	1432	1015	621	363	259	225	199



REPORT NUMBER: P640294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-4S_RED ONLY

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2724	2336	1945	1548	1161	783	470	279	241	214	191
-25°	2288	1945	1590	1235	881	543	334	258	227	202	181
-27.5°	1859	1548	1235	914	595	387	269	236	212	191	170
-30°	1432	1161	881	595	405	275	243	219	199	179	158
-32.5°	1015	783	543	387	275	246	223	203	185	166	149
-35°	621	470	334	269	243	223	204	188	170	152	140
-37.5°	363	279	258	236	219	203	188	172	154	143	131
-40°	259	241	227	212	199	185	170	154	144	133	123
-42.5°	225	214	202	191	179	166	152	143	133	124	116
-45°	199	191	181	170	158	149	140	131	123	116	109
-47.5°	176	168	158	150	143	135	128	121	115	108	102
-50°	153	147	142	135	129	123	118	112	107	101	93
-52.5°	136	132	127	122	118	113	109	104	98	90	79
-55°	122	119	115	112	108	104	100	93	84	75	65
-57.5°	111	108	105	102	98	92	85	77	69	60	51
-60°	100	97	92	87	81	74	67	60	52	46	39
-62.5°	81	77	73	67	62	56	50	45	39	33	29
-65°	60	56	52	49	45	40	36	32	28	24	20
-67.5°	42	39	36	33	30	27	24	21	19	16	14
-70°	27	25	23	21	19	18	16	14	13	11	10
-72.5°	17	16	15	14	12	11	10	9	8	7	6
-75°	10	9	9	8	7	6	6	5	5	4	4
-77.5°	5	5	5	4	4	4	3	3	3	3	3
-80°	3	3	3	3	2	2	2	2	2	2	2
-82.5°	2	2	2	2	2	2	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P640294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-4S_RED ONLY

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	1	1	1	1	1	0	0	0	0	0	0
80°	2	2	1	1	1	1	1	1	1	0	0
77.5°	2	2	2	2	2	1	1	1	1	1	0
75°	3	3	3	2	2	2	2	2	1	1	1
72.5°	5	4	4	3	3	2	2	2	2	1	1
70°	8	6	5	5	4	3	3	2	2	2	1
67.5°	12	10	8	6	5	4	3	3	2	2	2
65°	17	14	12	10	7	6	5	3	3	2	2
62.5°	24	19	16	13	10	8	6	5	3	3	2
60°	33	27	21	17	14	11	8	6	4	3	2
57.5°	43	35	29	23	18	14	10	7	5	4	3
55°	55	46	37	30	23	17	13	10	6	5	3
52.5°	68	57	47	37	29	21	16	12	8	5	4
50°	81	70	57	46	35	27	19	14	10	6	4
47.5°	94	81	68	55	43	33	24	17	12	8	5
45°	102	93	79	65	51	39	29	20	14	10	6
42.5°	108	101	90	75	60	46	33	24	16	11	7
40°	115	107	98	84	69	52	39	28	19	13	8
37.5°	121	112	104	93	77	60	45	32	21	14	9
35°	128	118	109	100	85	67	50	36	24	16	10
32.5°	135	123	113	104	92	74	56	40	27	18	11
30°	143	129	118	108	98	81	62	45	30	19	12
27.5°	150	135	122	112	102	87	67	49	33	21	14
25°	158	142	127	115	105	92	73	52	36	23	15
22.5°	168	147	132	119	108	97	77	56	39	25	16
20°	176	153	136	122	111	100	81	60	42	27	17
17.5°	184	158	141	125	113	102	85	64	44	29	17
15°	190	165	144	128	115	104	88	67	46	30	18
12.5°	196	170	148	131	117	105	91	69	48	31	19
10°	200	175	150	133	118	107	93	71	49	32	19
7.5°	204	178	152	135	120	108	95	73	51	33	20
5°	206	181	154	136	120	108	96	74	51	34	20
2.5°	208	182	155	137	121	109	97	75	52	34	20
0°	208	183	155	137	121	109	97	75	52	34	20
-2.5°	208	182	155	137	121	109	97	75	52	34	20
-5°	206	181	154	136	120	108	96	74	51	34	20
-7.5°	204	178	152	135	120	108	95	73	51	33	20
-10°	200	175	150	133	118	107	93	71	49	32	19
-12.5°	196	170	148	131	117	105	91	69	48	31	19
-15°	190	165	144	128	115	104	88	67	46	30	18
-17.5°	184	158	141	125	113	102	85	64	44	29	17
-20°	176	153	136	122	111	100	81	60	42	27	17



REPORT NUMBER: P640294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-4S_RED ONLY

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	168	147	132	119	108	97	77	56	39	25	16
-25°	158	142	127	115	105	92	73	52	36	23	15
-27.5°	150	135	122	112	102	87	67	49	33	21	14
-30°	143	129	118	108	98	81	62	45	30	19	12
-32.5°	135	123	113	104	92	74	56	40	27	18	11
-35°	128	118	109	100	85	67	50	36	24	16	10
-37.5°	121	112	104	93	77	60	45	32	21	14	9
-40°	115	107	98	84	69	52	39	28	19	13	8
-42.5°	108	101	90	75	60	46	33	24	16	11	7
-45°	102	93	79	65	51	39	29	20	14	10	6
-47.5°	94	81	68	55	43	33	24	17	12	8	5
-50°	81	70	57	46	35	27	19	14	10	6	4
-52.5°	68	57	47	37	29	21	16	12	8	5	4
-55°	55	46	37	30	23	17	13	10	6	5	3
-57.5°	43	35	29	23	18	14	10	7	5	4	3
-60°	33	27	21	17	14	11	8	6	4	3	2
-62.5°	24	19	16	13	10	8	6	5	3	3	2
-65°	17	14	12	10	7	6	5	3	3	2	2
-67.5°	12	10	8	6	5	4	3	3	2	2	2
-70°	8	6	5	5	4	3	3	2	2	2	1
-72.5°	5	4	4	3	3	2	2	2	2	1	1
-75°	3	3	3	2	2	2	2	2	1	1	1
-77.5°	2	2	2	2	2	1	1	1	1	1	0
-80°	2	2	1	1	1	1	1	1	1	0	0
-82.5°	1	1	1	1	1	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P640294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-4S_RED ONLY

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0
75°	1	0	0	0	0	0	0
72.5°	1	0	0	0	0	0	0
70°	1	1	0	0	0	0	0
67.5°	1	1	1	0	0	0	0
65°	2	1	1	0	0	0	0
62.5°	2	1	1	0	0	0	0
60°	2	1	1	0	0	0	0
57.5°	2	2	1	1	0	0	0
55°	2	2	1	1	0	0	0
52.5°	3	2	1	1	0	0	0
50°	3	2	2	1	0	0	0
47.5°	3	2	2	1	0	0	0
45°	4	3	2	1	0	0	0
42.5°	4	3	2	1	0	0	0
40°	5	3	2	1	1	0	0
37.5°	5	3	2	1	1	0	0
35°	6	3	2	1	1	0	0
32.5°	6	4	2	2	1	0	0
30°	7	4	2	2	1	0	0
27.5°	8	4	3	2	1	0	0
25°	9	5	3	2	1	0	0
22.5°	9	5	3	2	1	0	0
20°	10	5	3	2	1	0	0
17.5°	10	5	3	2	1	0	0
15°	11	5	3	2	1	0	0
12.5°	11	6	3	2	1	0	0
10°	11	6	3	2	1	0	0
7.5°	12	6	3	2	1	0	0
5°	12	6	3	2	1	0	0
2.5°	12	6	3	2	1	0	0
0°	12	6	3	2	1	0	0
-2.5°	12	6	3	2	1	0	0
-5°	12	6	3	2	1	0	0
-7.5°	12	6	3	2	1	0	0
-10°	11	6	3	2	1	0	0
-12.5°	11	6	3	2	1	0	0
-15°	11	5	3	2	1	0	0
-17.5°	10	5	3	2	1	0	0
-20°	10	5	3	2	1	0	0



REPORT NUMBER: P640294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-4S_RED ONLY

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	9	5	3	2	1	0	0
-25°	9	5	3	2	1	0	0
-27.5°	8	4	3	2	1	0	0
-30°	7	4	2	2	1	0	0
-32.5°	6	4	2	2	1	0	0
-35°	6	3	2	1	1	0	0
-37.5°	5	3	2	1	1	0	0
-40°	5	3	2	1	1	0	0
-42.5°	4	3	2	1	0	0	0
-45°	4	3	2	1	0	0	0
-47.5°	3	2	2	1	0	0	0
-50°	3	2	2	1	0	0	0
-52.5°	3	2	1	1	0	0	0
-55°	2	2	1	1	0	0	0
-57.5°	2	2	1	1	0	0	0
-60°	2	1	1	0	0	0	0
-62.5°	2	1	1	0	0	0	0
-65°	2	1	1	0	0	0	0
-67.5°	1	1	1	0	0	0	0
-70°	1	1	0	0	0	0	0
-72.5°	1	0	0	0	0	0	0
-75°	1	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)