

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: McGRAW-EDISON

Report Number: P722787 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-720PL-RGB-4S_RED-ONLY**

Issue Date: 11/1/2023

Test Information

Test Method: LM-79-08
Report Number: P722787 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-140-13)
Test Lab: INNOVATION CENTER
Issue Date: 11/1/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: EPH-LS-16-720PL-RGB-4S_RED-ONLY
Description: LUMASPORT 16 PRISM RGB
Light Source: -
Ballast/Driver: -

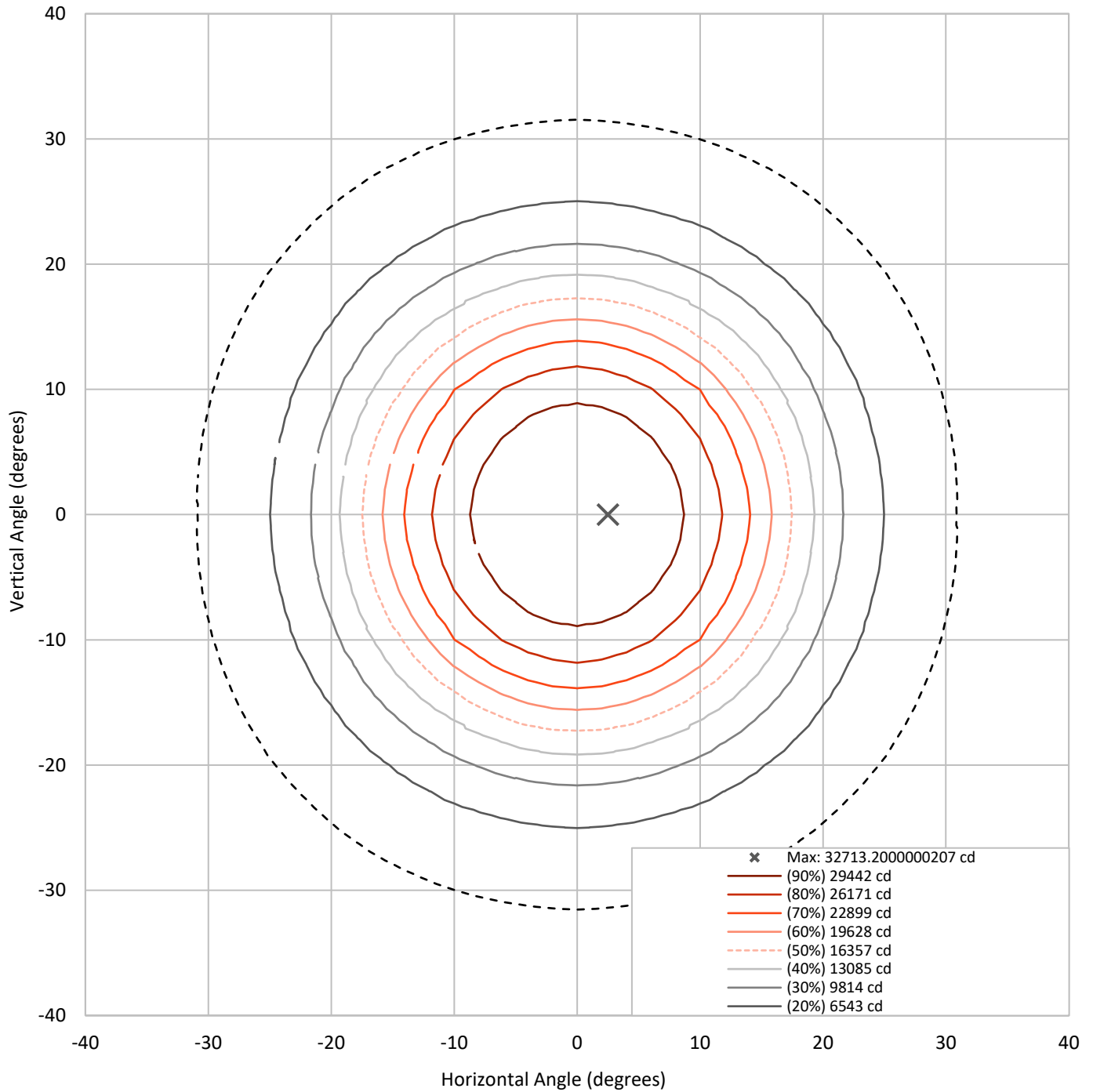
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	13477.1 lumens	Max Intensity:	32713.2 candela
Efficiency:	N/A	Max Intensity Angle:	2.5°H x 0°V
Efficacy:	36.1 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	34.8°H x 34.1°V	Field Angle (10%):	61.7°H x 62.8°V
Beam Lumens:	7177.7 lumens	Field Lumens:	11789.7 lumens
Beam Efficiency:	53.3%	Field Efficiency:	87.5%
Input Watts (W):	373.3		
Input Voltage (V):	NR		
Input Current (A _{in}):	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: P722787 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_RED-ONLY

Iso-Candela Plot





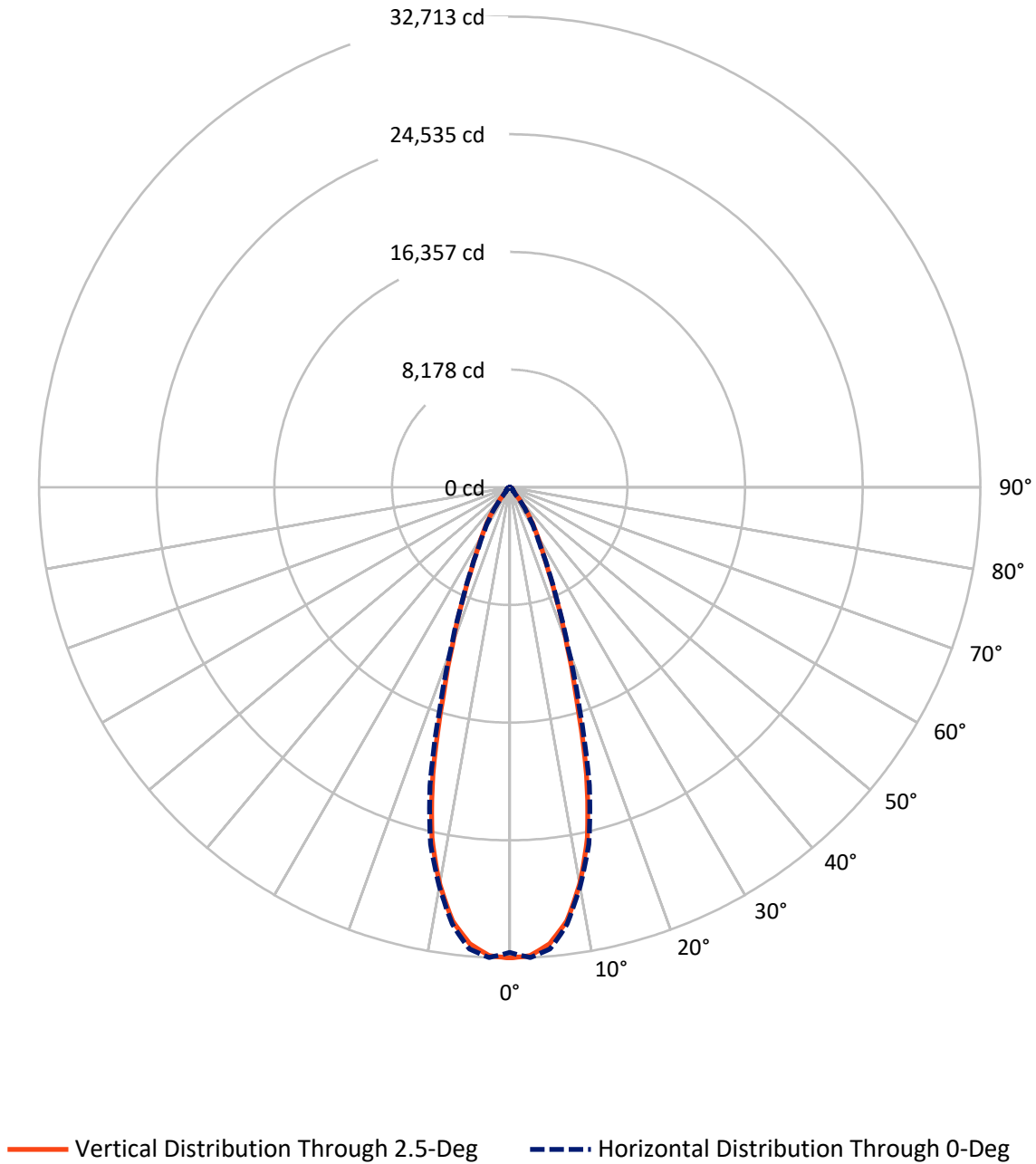
REPORT NUMBER: P722787 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_RED-ONLY

Lumen Table

90	0.0	0.1	0.4	0.9	1.1	0.9	0.4	0.1	0.0										
80	0.0	0.1	0.4	0.9	1.1	0.9	0.4	0.1	0.0										
70	0.1	0.1	0.2	0.7	1.4	2.2	2.9	3.2	3.2	2.9	2.2	1.4	0.7	0.2	0.1	0.1			
60		0.2	0.8	2.1	3.7	5.1	6.1	6.8	6.8	6.1	5.1	3.7	2.1	0.8	0.2				
50	0.1	0.4	1.7	3.6	5.7	7.8	9.9	11.5	11.5	9.9	7.8	5.7	3.6	1.7	0.4	0.1			
40		0.8	2.6	4.9	7.9	15.8	39.6	61.4	61.4	39.6	15.8	7.9	4.9	2.6	0.8				
30	0.3	1.1	3.2	6.1	14.2	58.2	128.7	195.3	195.3	128.7	58.2	14.2	6.1	3.2	1.1	0.3			
20		1.3	3.6	7.2	32.8	119.3	318.7	567.7	567.7	318.7	119.3	32.8	7.2	3.6	1.3				
10	0.4	1.5	3.9	8.1	48.5	177.2	556.5	904.5	904.5	556.5	177.2	48.5	8.1	3.9	1.5	0.4			
0		1.5	3.9	8.1	48.5	177.2	556.5	904.5	904.5	556.5	177.2	48.5	8.1	3.9	1.5				
-10	0.3	1.3	3.6	7.2	32.8	119.3	318.7	567.7	567.7	318.7	119.3	32.8	7.2	3.6	1.3	0.3			
-20		1.1	3.2	6.1	14.2	58.2	128.7	195.3	195.3	128.7	58.2	14.2	6.1	3.2	1.1				
-30	0.1	0.8	2.6	4.9	7.9	15.8	39.6	61.4	61.4	39.6	15.8	7.9	4.9	2.6	0.8	0.1			
-40		0.4	1.7	3.6	5.7	7.8	9.9	11.5	11.5	9.9	7.8	5.7	3.6	1.7	0.4				
-50	0.1	0.2	0.8	2.1	3.7	5.1	6.1	6.8	6.8	6.1	5.1	3.7	2.1	0.8	0.2	0.1			
-60		0.1	0.2	0.7	1.4	2.2	2.9	3.2	3.2	2.9	2.2	1.4	0.7	0.2	0.1				
-70	0.0	0.1	0.4	0.9	1.1	0.9	0.4	0.1	0.0						0.0				
-80		0.1	0.4	0.9	1.1	0.9	0.4	0.1	0.0										
-90	0.0	0.1	0.4	0.9	1.1	0.9	0.4	0.1	0.0						0.0				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

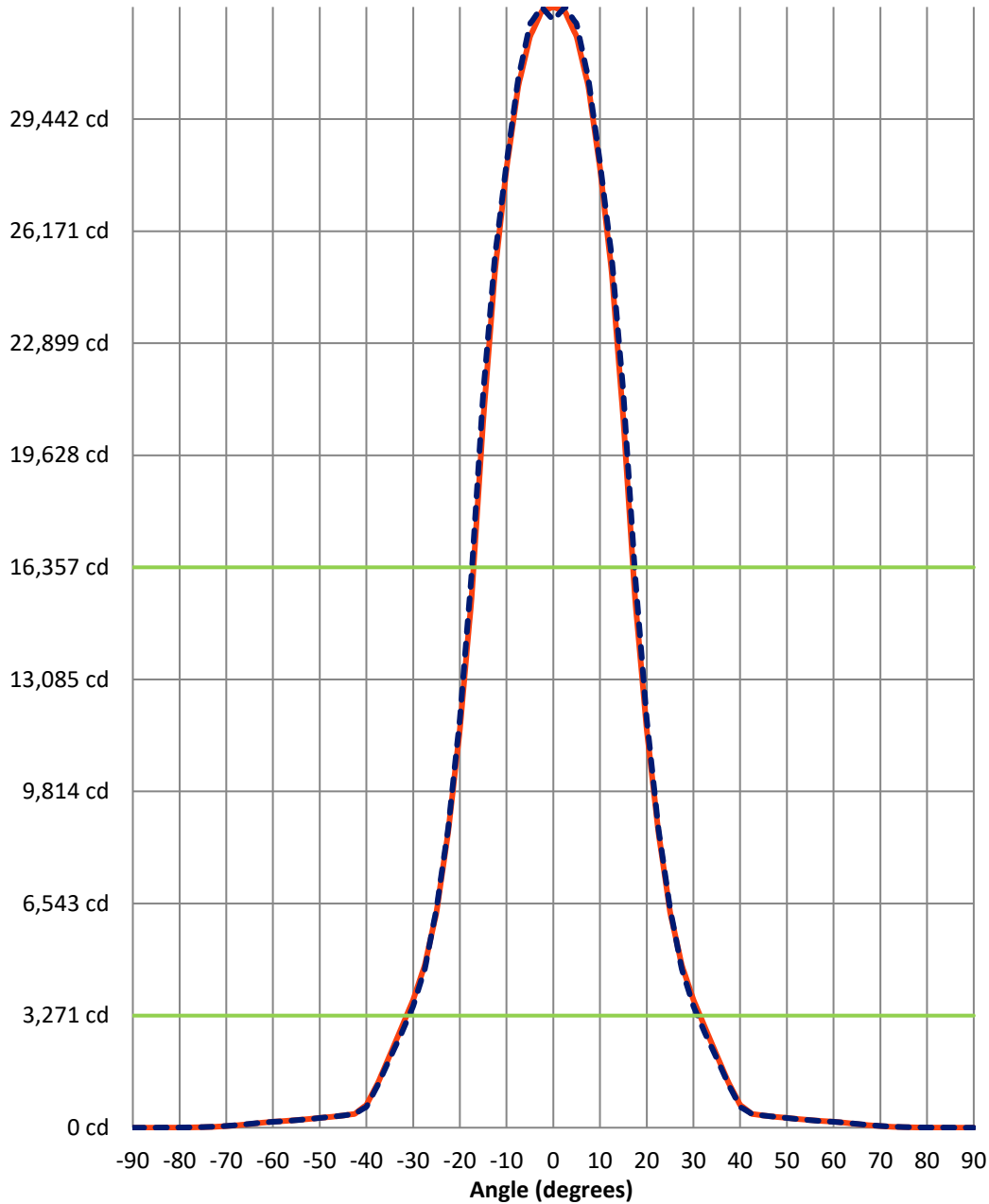
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CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_RED-ONLY

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 34.8°
V Angle: 34.1°
Lumens: 7177.7
Efficiency: 53.3%

Field:
H Angle: 61.7°
V Angle: 62.8°
Lumens: 11789.7
Efficiency: 87.5%

Spill:
Lumens: 1687.4
Efficiency: 12.5%

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



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 CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_RED-ONLY

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	1
80°	0	0	0	0	0	0	0	0	1	1	1
77.5°	0	0	0	0	0	0	1	1	1	2	2
75°	0	0	0	0	0	1	1	2	2	2	2
72.5°	0	0	0	0	0	1	2	2	2	2	2
70°	0	0	0	0	1	1	2	3	3	3	3
67.5°	0	0	0	0	1	2	3	3	3	3	3
65°	0	0	0	1	1	2	3	4	3	4	4
62.5°	0	0	0	1	2	3	3	4	4	4	6
60°	0	0	0	1	2	3	4	4	4	6	7
57.5°	0	0	0	1	2	3	4	4	5	7	10
55°	0	0	0	1	3	4	4	4	6	8	13
52.5°	0	0	0	2	3	4	4	5	7	11	15
50°	0	0	1	2	3	4	4	6	8	13	20
47.5°	0	0	1	2	3	4	4	7	11	16	24
45°	0	0	1	2	4	4	5	7	13	20	29
42.5°	0	0	1	2	4	4	5	9	15	23	35
40°	0	0	1	3	4	4	6	11	17	27	42
37.5°	0	0	1	3	4	4	7	12	20	31	49
35°	0	0	1	3	4	4	7	14	23	37	55
32.5°	0	0	1	3	4	5	8	16	26	42	62
30°	0	0	1	3	4	5	9	17	28	46	67
27.5°	0	0	2	3	4	6	11	19	31	51	73
25°	0	0	2	3	4	6	12	21	34	55	78
22.5°	0	0	2	3	4	6	13	23	38	59	83
20°	0	0	2	4	4	7	14	24	40	62	88
17.5°	0	0	2	4	4	7	15	25	43	66	93
15°	0	0	2	4	4	8	16	26	45	68	97
12.5°	0	0	2	4	4	8	16	27	47	71	100
10°	0	0	2	4	4	9	17	28	48	73	103
7.5°	0	0	2	4	4	9	17	29	49	74	106
5°	0	0	2	4	4	9	17	29	50	75	108
2.5°	0	0	2	4	4	10	18	29	51	76	110
0°	0	0	2	4	4	10	18	29	51	76	111
-2.5°	0	0	2	4	4	10	18	29	51	76	110
-5°	0	0	2	4	4	9	17	29	50	75	108
-7.5°	0	0	2	4	4	9	17	29	49	74	106
-10°	0	0	2	4	4	9	17	28	48	73	103
-12.5°	0	0	2	4	4	8	16	27	47	71	100
-15°	0	0	2	4	4	8	16	26	45	68	97
-17.5°	0	0	2	4	4	7	15	25	43	66	93
-20°	0	0	2	4	4	7	14	24	40	62	88



REPORT NUMBER: P722787 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS-16-720PL-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	2	3	4	6	13	23	38	59	83
-25°	0	0	2	3	4	6	12	21	34	55	78
-27.5°	0	0	2	3	4	6	11	19	31	51	73
-30°	0	0	1	3	4	5	9	17	28	46	67
-32.5°	0	0	1	3	4	5	8	16	26	42	62
-35°	0	0	1	3	4	4	7	14	23	37	55
-37.5°	0	0	1	3	4	4	7	12	20	31	49
-40°	0	0	1	3	4	4	6	11	17	27	42
-42.5°	0	0	1	2	4	4	5	9	15	23	35
-45°	0	0	1	2	4	4	5	7	13	20	29
-47.5°	0	0	1	2	3	4	4	7	11	16	24
-50°	0	0	1	2	3	4	4	6	8	13	20
-52.5°	0	0	0	2	3	4	4	5	7	11	15
-55°	0	0	0	1	3	4	4	4	6	8	13
-57.5°	0	0	0	1	2	3	4	4	5	7	10
-60°	0	0	0	1	2	3	4	4	4	6	7
-62.5°	0	0	0	1	2	3	3	4	4	4	6
-65°	0	0	0	1	1	2	3	4	3	4	4
-67.5°	0	0	0	0	1	2	3	3	3	3	3
-70°	0	0	0	0	1	1	2	3	3	3	3
-72.5°	0	0	0	0	0	1	2	2	2	2	2
-75°	0	0	0	0	0	1	1	2	2	2	2
-77.5°	0	0	0	0	0	0	1	1	1	2	2
-80°	0	0	0	0	0	0	0	0	1	1	1
-82.5°	0	0	0	0	0	0	0	0	0	0	1
-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: P722787 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-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	1	1	1	1	1	0
82.5°	1	1	1	1	2	2	2	2	2	1	1
80°	2	2	2	2	2	2	2	2	2	2	2
77.5°	2	2	2	2	2	2	3	3	3	4	4
75°	2	2	2	3	3	4	4	5	5	6	7
72.5°	2	3	3	4	5	6	7	7	9	10	12
70°	3	4	5	6	7	8	11	13	14	17	19
67.5°	4	6	7	8	11	13	16	20	23	26	30
65°	6	7	10	13	15	20	24	29	35	41	46
62.5°	8	10	14	18	23	28	35	43	50	59	67
60°	10	14	19	25	31	40	49	59	69	79	89
57.5°	14	19	25	33	43	53	65	76	89	101	113
55°	18	25	33	44	56	69	82	96	110	123	136
52.5°	23	31	43	56	70	85	101	116	132	145	158
50°	28	40	53	69	85	102	120	137	152	166	178
47.5°	35	49	65	82	101	120	140	156	171	182	193
45°	43	59	76	96	117	138	156	172	184	196	210
42.5°	51	69	89	110	133	153	171	183	197	214	229
40°	60	79	101	125	148	167	181	195	214	232	249
37.5°	68	89	113	138	160	177	191	210	230	249	273
35°	75	99	125	150	171	186	204	225	246	271	295
32.5°	84	109	136	160	179	195	217	240	264	290	314
30°	92	118	146	170	186	206	229	254	282	308	334
27.5°	99	127	154	176	193	216	241	269	297	324	354
25°	106	136	162	182	201	226	253	284	311	342	377
22.5°	112	144	169	186	209	235	266	296	325	359	398
20°	119	150	175	191	216	243	278	307	340	378	459
17.5°	125	156	178	198	223	252	289	316	353	394	537
15°	131	160	182	203	229	261	296	327	366	424	614
12.5°	135	164	185	207	235	269	302	336	377	481	813
10°	140	167	187	211	240	275	307	343	387	531	975
7.5°	142	169	189	214	244	280	311	349	395	572	1100
5°	144	171	190	216	246	283	314	353	400	604	1189
2.5°	145	172	190	218	247	284	316	354	403	615	1243
0°	145	172	190	219	247	284	317	354	403	611	1262
-2.5°	145	172	190	218	247	284	316	354	403	615	1243
-5°	144	171	190	216	246	283	314	353	400	604	1189
-7.5°	142	169	189	214	244	280	311	349	395	572	1100
-10°	140	167	187	211	240	275	307	343	387	531	975
-12.5°	135	164	185	207	235	269	302	336	377	481	813
-15°	131	160	182	203	229	261	296	327	366	424	614
-17.5°	125	156	178	198	223	252	289	316	353	394	537
-20°	119	150	175	191	216	243	278	307	340	378	459



REPORT NUMBER: P722787 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-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°	112	144	169	186	209	235	266	296	325	359	398
-25°	106	136	162	182	201	226	253	284	311	342	377
-27.5°	99	127	154	176	193	216	241	269	297	324	354
-30°	92	118	146	170	186	206	229	254	282	308	334
-32.5°	84	109	136	160	179	195	217	240	264	290	314
-35°	75	99	125	150	171	186	204	225	246	271	295
-37.5°	68	89	113	138	160	177	191	210	230	249	273
-40°	60	79	101	125	148	167	181	195	214	232	249
-42.5°	51	69	89	110	133	153	171	183	197	214	229
-45°	43	59	76	96	117	138	156	172	184	196	210
-47.5°	35	49	65	82	101	120	140	156	171	182	193
-50°	28	40	53	69	85	102	120	137	152	166	178
-52.5°	23	31	43	56	70	85	101	116	132	145	158
-55°	18	25	33	44	56	69	82	96	110	123	136
-57.5°	14	19	25	33	43	53	65	76	89	101	113
-60°	10	14	19	25	31	40	49	59	69	79	89
-62.5°	8	10	14	18	23	28	35	43	50	59	67
-65°	6	7	10	13	15	20	24	29	35	41	46
-67.5°	4	6	7	8	11	13	16	20	23	26	30
-70°	3	4	5	6	7	8	11	13	14	17	19
-72.5°	2	3	3	4	5	6	7	7	9	10	12
-75°	2	2	2	3	3	4	4	5	5	6	7
-77.5°	2	2	2	2	2	2	3	3	3	4	4
-80°	2	2	2	2	2	2	2	2	2	2	2
-82.5°	1	1	1	1	2	2	2	2	2	1	1
-85°	0	0	0	0	0	1	1	1	1	1	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: P722787 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-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°	0	0	0	0	0	0	0	0	0	0	0
82.5°	1	1	1	1	1	2	2	2	2	2	2
80°	3	3	3	3	3	3	3	4	4	3	3
77.5°	4	5	5	6	6	6	7	7	7	7	7
75°	7	8	9	10	11	12	13	13	14	15	15
72.5°	13	15	16	18	20	22	23	24	25	25	25
70°	22	24	27	30	34	36	39	41	43	44	45
67.5°	34	39	44	48	52	57	61	64	67	70	71
65°	52	59	66	72	77	82	87	92	95	98	101
62.5°	75	84	92	99	105	111	118	123	127	131	135
60°	100	110	120	128	137	145	150	155	160	164	168
57.5°	125	137	148	156	164	171	177	181	185	188	191
55°	149	161	172	179	186	191	197	203	208	212	215
52.5°	172	181	190	198	206	214	222	228	233	238	243
50°	188	198	209	219	229	238	247	255	264	271	277
47.5°	205	217	230	241	253	266	279	289	297	303	309
45°	224	238	253	269	284	297	308	318	328	337	343
42.5°	245	264	283	298	311	326	341	355	367	377	387
40°	271	293	308	325	343	361	379	396	427	490	549
37.5°	296	315	334	355	377	399	465	549	633	849	1029
35°	316	339	361	387	440	544	705	998	1271	1511	1712
32.5°	339	365	393	479	598	923	1261	1618	1934	2215	2463
30°	362	395	491	655	1046	1456	1879	2282	2654	2982	3264
27.5°	389	476	647	1084	1546	2027	2517	2981	3402	3767	4095
25°	439	582	1035	1544	2074	2610	3164	3691	4195	4701	5185
22.5°	533	906	1435	2008	2625	3217	3831	4470	5180	6052	6873
20°	685	1239	1831	2491	3155	3802	4531	5494	6661	7854	9058
17.5°	968	1566	2202	2910	3631	4419	5462	6895	8380	10132	11761
15°	1215	1852	2536	3319	4091	5089	6635	8439	10548	12737	14840
12.5°	1440	2115	2845	3692	4577	6004	7872	10102	12840	15774	19098
10°	1635	2344	3129	3986	5044	6851	8999	11808	15124	19024	22862
7.5°	1797	2520	3348	4256	5514	7646	10173	13457	17534	22052	25215
5°	1921	2639	3510	4471	5978	8266	11044	14861	19648	23925	26869
2.5°	1998	2710	3597	4614	6245	8696	11647	15765	20966	25002	27797
0°	2021	2751	3550	4635	6398	8737	11930	16152	21436	25409	28159
-2.5°	1998	2710	3597	4614	6245	8696	11647	15765	20966	25002	27797
-5°	1921	2639	3510	4471	5978	8266	11044	14861	19648	23925	26869
-7.5°	1797	2520	3348	4256	5514	7646	10173	13457	17534	22052	25215
-10°	1635	2344	3129	3986	5044	6851	8999	11808	15124	19024	22862
-12.5°	1440	2115	2845	3692	4577	6004	7872	10102	12840	15774	19098
-15°	1215	1852	2536	3319	4091	5089	6635	8439	10548	12737	14840
-17.5°	968	1566	2202	2910	3631	4419	5462	6895	8380	10132	11761
-20°	685	1239	1831	2491	3155	3802	4531	5494	6661	7854	9058



REPORT NUMBER: P722787 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-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°	533	906	1435	2008	2625	3217	3831	4470	5180	6052	6873
-25°	439	582	1035	1544	2074	2610	3164	3691	4195	4701	5185
-27.5°	389	476	647	1084	1546	2027	2517	2981	3402	3767	4095
-30°	362	395	491	655	1046	1456	1879	2282	2654	2982	3264
-32.5°	339	365	393	479	598	923	1261	1618	1934	2215	2463
-35°	316	339	361	387	440	544	705	998	1271	1511	1712
-37.5°	296	315	334	355	377	399	465	549	633	849	1029
-40°	271	293	308	325	343	361	379	396	427	490	549
-42.5°	245	264	283	298	311	326	341	355	367	377	387
-45°	224	238	253	269	284	297	308	318	328	337	343
-47.5°	205	217	230	241	253	266	279	289	297	303	309
-50°	188	198	209	219	229	238	247	255	264	271	277
-52.5°	172	181	190	198	206	214	222	228	233	238	243
-55°	149	161	172	179	186	191	197	203	208	212	215
-57.5°	125	137	148	156	164	171	177	181	185	188	191
-60°	100	110	120	128	137	145	150	155	160	164	168
-62.5°	75	84	92	99	105	111	118	123	127	131	135
-65°	52	59	66	72	77	82	87	92	95	98	101
-67.5°	34	39	44	48	52	57	61	64	67	70	71
-70°	22	24	27	30	34	36	39	41	43	44	45
-72.5°	13	15	16	18	20	22	23	24	25	25	25
-75°	7	8	9	10	11	12	13	13	14	15	15
-77.5°	4	5	5	6	6	6	7	7	7	7	7
-80°	3	3	3	3	3	3	3	4	4	3	3
-82.5°	1	1	1	1	1	2	2	2	2	2	2
-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: P722787 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-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°	0	0	0	0	0	0	0	0	0	0	0
82.5°	2	2	2	2	2	2	2	2	2	2	2
80°	2	2	2	2	2	2	2	3	3	4	4
77.5°	8	8	8	8	8	8	8	7	7	7	7
75°	15	16	16	16	16	16	15	15	15	14	13
72.5°	25	25	25	25	25	25	25	25	25	25	24
70°	46	46	47	47	47	46	46	45	44	43	41
67.5°	72	72	72	72	72	72	72	71	70	67	64
65°	103	104	105	106	105	104	103	101	98	95	92
62.5°	138	141	143	145	143	141	138	135	131	127	123
60°	170	173	175	176	175	173	170	168	164	160	155
57.5°	193	195	195	196	195	195	193	191	188	185	181
55°	219	221	223	223	223	221	219	215	212	208	203
52.5°	247	250	251	251	251	250	247	243	238	233	228
50°	282	285	286	286	286	285	282	277	271	264	255
47.5°	313	315	316	317	316	315	313	309	303	297	289
45°	349	353	355	354	355	353	349	343	337	328	318
42.5°	394	399	403	407	403	399	394	387	377	367	355
40°	599	639	666	671	666	639	599	549	490	427	396
37.5°	1166	1263	1316	1319	1316	1263	1166	1029	849	633	549
35°	1879	2018	2110	2109	2110	2018	1879	1712	1511	1271	998
32.5°	2667	2822	2916	2953	2916	2822	2667	2463	2215	1934	1618
30°	3485	3640	3732	3788	3732	3640	3485	3264	2982	2654	2282
27.5°	4363	4592	4747	4761	4747	4592	4363	4095	3767	3402	2981
25°	5683	6052	6296	6447	6296	6052	5683	5185	4701	4195	3691
22.5°	7598	8223	8635	8747	8635	8223	7598	6873	6052	5180	4470
20°	10189	11063	11625	11766	11625	11063	10189	9058	7854	6661	5494
17.5°	13181	14563	15460	15709	15460	14563	13181	11761	10132	8380	6895
15°	17290	19356	20653	20933	20653	19356	17290	14840	12737	10548	8439
12.5°	21846	23848	24969	25340	24969	23848	21846	19098	15774	12840	10102
10°	25185	27037	28009	28480	28009	27037	25185	22862	19024	15124	11808
7.5°	27486	29335	30396	30684	30396	29335	27486	25215	22052	17534	13457
5°	29221	30984	31841	32119	31841	30984	29221	26869	23925	19648	14861
2.5°	30242	31867	32578	32544	32578	31867	30242	27797	25002	20966	15765
0°	30622	32209	32713	32331	32713	32209	30622	28159	25409	21436	16152
-2.5°	30242	31867	32578	32544	32578	31867	30242	27797	25002	20966	15765
-5°	29221	30984	31841	32119	31841	30984	29221	26869	23925	19648	14861
-7.5°	27486	29335	30396	30684	30396	29335	27486	25215	22052	17534	13457
-10°	25185	27037	28009	28480	28009	27037	25185	22862	19024	15124	11808
-12.5°	21846	23848	24969	25340	24969	23848	21846	19098	15774	12840	10102
-15°	17290	19356	20653	20933	20653	19356	17290	14840	12737	10548	8439
-17.5°	13181	14563	15460	15709	15460	14563	13181	11761	10132	8380	6895
-20°	10189	11063	11625	11766	11625	11063	10189	9058	7854	6661	5494



REPORT NUMBER: P722787 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-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°	7598	8223	8635	8747	8635	8223	7598	6873	6052	5180	4470
-25°	5683	6052	6296	6447	6296	6052	5683	5185	4701	4195	3691
-27.5°	4363	4592	4747	4761	4747	4592	4363	4095	3767	3402	2981
-30°	3485	3640	3732	3788	3732	3640	3485	3264	2982	2654	2282
-32.5°	2667	2822	2916	2953	2916	2822	2667	2463	2215	1934	1618
-35°	1879	2018	2110	2109	2110	2018	1879	1712	1511	1271	998
-37.5°	1166	1263	1316	1319	1316	1263	1166	1029	849	633	549
-40°	599	639	666	671	666	639	599	549	490	427	396
-42.5°	394	399	403	407	403	399	394	387	377	367	355
-45°	349	353	355	354	355	353	349	343	337	328	318
-47.5°	313	315	316	317	316	315	313	309	303	297	289
-50°	282	285	286	286	286	285	282	277	271	264	255
-52.5°	247	250	251	251	251	250	247	243	238	233	228
-55°	219	221	223	223	223	221	219	215	212	208	203
-57.5°	193	195	195	196	195	195	193	191	188	185	181
-60°	170	173	175	176	175	173	170	168	164	160	155
-62.5°	138	141	143	145	143	141	138	135	131	127	123
-65°	103	104	105	106	105	104	103	101	98	95	92
-67.5°	72	72	72	72	72	72	72	71	70	67	64
-70°	46	46	47	47	47	46	46	45	44	43	41
-72.5°	25	25	25	25	25	25	25	25	25	25	24
-75°	15	16	16	16	16	16	15	15	15	14	13
-77.5°	8	8	8	8	8	8	8	7	7	7	7
-80°	2	2	2	2	2	2	2	3	3	4	4
-82.5°	2	2	2	2	2	2	2	2	2	2	2
-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: P722787 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-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°	0	0	0	0	0	0	0	0	1	1	1
82.5°	2	2	1	1	1	1	1	1	1	2	2
80°	3	3	3	3	3	3	3	2	2	2	2
77.5°	7	6	6	6	5	5	4	4	4	3	3
75°	13	12	11	10	9	8	7	7	6	5	5
72.5°	23	22	20	18	16	15	13	12	10	9	7
70°	39	36	34	30	27	24	22	19	17	14	13
67.5°	61	57	52	48	44	39	34	30	26	23	20
65°	87	82	77	72	66	59	52	46	41	35	29
62.5°	118	111	105	99	92	84	75	67	59	50	43
60°	150	145	137	128	120	110	100	89	79	69	59
57.5°	177	171	164	156	148	137	125	113	101	89	76
55°	197	191	186	179	172	161	149	136	123	110	96
52.5°	222	214	206	198	190	181	172	158	145	132	116
50°	247	238	229	219	209	198	188	178	166	152	137
47.5°	279	266	253	241	230	217	205	193	182	171	156
45°	308	297	284	269	253	238	224	210	196	184	172
42.5°	341	326	311	298	283	264	245	229	214	197	183
40°	379	361	343	325	308	293	271	249	232	214	195
37.5°	465	399	377	355	334	315	296	273	249	230	210
35°	705	544	440	387	361	339	316	295	271	246	225
32.5°	1261	923	598	479	393	365	339	314	290	264	240
30°	1879	1456	1046	655	491	395	362	334	308	282	254
27.5°	2517	2027	1546	1084	647	476	389	354	324	297	269
25°	3164	2610	2074	1544	1035	582	439	377	342	311	284
22.5°	3831	3217	2625	2008	1435	906	533	398	359	325	296
20°	4531	3802	3155	2491	1831	1239	685	459	378	340	307
17.5°	5462	4419	3631	2910	2202	1566	968	537	394	353	316
15°	6635	5089	4091	3319	2536	1852	1215	614	424	366	327
12.5°	7872	6004	4577	3692	2845	2115	1440	813	481	377	336
10°	8999	6851	5044	3986	3129	2344	1635	975	531	387	343
7.5°	10173	7646	5514	4256	3348	2520	1797	1100	572	395	349
5°	11044	8266	5978	4471	3510	2639	1921	1189	604	400	353
2.5°	11647	8696	6245	4614	3597	2710	1998	1243	615	403	354
0°	11930	8737	6398	4635	3550	2751	2021	1262	611	403	354
-2.5°	11647	8696	6245	4614	3597	2710	1998	1243	615	403	354
-5°	11044	8266	5978	4471	3510	2639	1921	1189	604	400	353
-7.5°	10173	7646	5514	4256	3348	2520	1797	1100	572	395	349
-10°	8999	6851	5044	3986	3129	2344	1635	975	531	387	343
-12.5°	7872	6004	4577	3692	2845	2115	1440	813	481	377	336
-15°	6635	5089	4091	3319	2536	1852	1215	614	424	366	327
-17.5°	5462	4419	3631	2910	2202	1566	968	537	394	353	316
-20°	4531	3802	3155	2491	1831	1239	685	459	378	340	307



REPORT NUMBER: P722787 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-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°	3831	3217	2625	2008	1435	906	533	398	359	325	296
-25°	3164	2610	2074	1544	1035	582	439	377	342	311	284
-27.5°	2517	2027	1546	1084	647	476	389	354	324	297	269
-30°	1879	1456	1046	655	491	395	362	334	308	282	254
-32.5°	1261	923	598	479	393	365	339	314	290	264	240
-35°	705	544	440	387	361	339	316	295	271	246	225
-37.5°	465	399	377	355	334	315	296	273	249	230	210
-40°	379	361	343	325	308	293	271	249	232	214	195
-42.5°	341	326	311	298	283	264	245	229	214	197	183
-45°	308	297	284	269	253	238	224	210	196	184	172
-47.5°	279	266	253	241	230	217	205	193	182	171	156
-50°	247	238	229	219	209	198	188	178	166	152	137
-52.5°	222	214	206	198	190	181	172	158	145	132	116
-55°	197	191	186	179	172	161	149	136	123	110	96
-57.5°	177	171	164	156	148	137	125	113	101	89	76
-60°	150	145	137	128	120	110	100	89	79	69	59
-62.5°	118	111	105	99	92	84	75	67	59	50	43
-65°	87	82	77	72	66	59	52	46	41	35	29
-67.5°	61	57	52	48	44	39	34	30	26	23	20
-70°	39	36	34	30	27	24	22	19	17	14	13
-72.5°	23	22	20	18	16	15	13	12	10	9	7
-75°	13	12	11	10	9	8	7	7	6	5	5
-77.5°	7	6	6	6	5	5	4	4	4	3	3
-80°	3	3	3	3	3	3	3	2	2	2	2
-82.5°	2	2	1	1	1	1	1	1	1	2	2
-85°	0	0	0	0	0	0	0	0	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: P722787 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-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°	1	1	0	0	0	0	0	0	0	0	0
82.5°	2	2	2	1	1	1	1	1	0	0	0
80°	2	2	2	2	2	2	2	1	1	1	0
77.5°	3	2	2	2	2	2	2	2	2	1	1
75°	4	4	3	3	2	2	2	2	2	2	2
72.5°	7	6	5	4	3	3	2	2	2	2	2
70°	11	8	7	6	5	4	3	3	3	3	3
67.5°	16	13	11	8	7	6	4	3	3	3	3
65°	24	20	15	13	10	7	6	4	4	3	4
62.5°	35	28	23	18	14	10	8	6	4	4	4
60°	49	40	31	25	19	14	10	7	6	4	4
57.5°	65	53	43	33	25	19	14	10	7	5	4
55°	82	69	56	44	33	25	18	13	8	6	4
52.5°	101	85	70	56	43	31	23	15	11	7	5
50°	120	102	85	69	53	40	28	20	13	8	6
47.5°	140	120	101	82	65	49	35	24	16	11	7
45°	156	138	117	96	76	59	43	29	20	13	7
42.5°	171	153	133	110	89	69	51	35	23	15	9
40°	181	167	148	125	101	79	60	42	27	17	11
37.5°	191	177	160	138	113	89	68	49	31	20	12
35°	204	186	171	150	125	99	75	55	37	23	14
32.5°	217	195	179	160	136	109	84	62	42	26	16
30°	229	206	186	170	146	118	92	67	46	28	17
27.5°	241	216	193	176	154	127	99	73	51	31	19
25°	253	226	201	182	162	136	106	78	55	34	21
22.5°	266	235	209	186	169	144	112	83	59	38	23
20°	278	243	216	191	175	150	119	88	62	40	24
17.5°	289	252	223	198	178	156	125	93	66	43	25
15°	296	261	229	203	182	160	131	97	68	45	26
12.5°	302	269	235	207	185	164	135	100	71	47	27
10°	307	275	240	211	187	167	140	103	73	48	28
7.5°	311	280	244	214	189	169	142	106	74	49	29
5°	314	283	246	216	190	171	144	108	75	50	29
2.5°	316	284	247	218	190	172	145	110	76	51	29
0°	317	284	247	219	190	172	145	111	76	51	29
-2.5°	316	284	247	218	190	172	145	110	76	51	29
-5°	314	283	246	216	190	171	144	108	75	50	29
-7.5°	311	280	244	214	189	169	142	106	74	49	29
-10°	307	275	240	211	187	167	140	103	73	48	28
-12.5°	302	269	235	207	185	164	135	100	71	47	27
-15°	296	261	229	203	182	160	131	97	68	45	26
-17.5°	289	252	223	198	178	156	125	93	66	43	25
-20°	278	243	216	191	175	150	119	88	62	40	24



REPORT NUMBER: P722787 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-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°	266	235	209	186	169	144	112	83	59	38	23
-25°	253	226	201	182	162	136	106	78	55	34	21
-27.5°	241	216	193	176	154	127	99	73	51	31	19
-30°	229	206	186	170	146	118	92	67	46	28	17
-32.5°	217	195	179	160	136	109	84	62	42	26	16
-35°	204	186	171	150	125	99	75	55	37	23	14
-37.5°	191	177	160	138	113	89	68	49	31	20	12
-40°	181	167	148	125	101	79	60	42	27	17	11
-42.5°	171	153	133	110	89	69	51	35	23	15	9
-45°	156	138	117	96	76	59	43	29	20	13	7
-47.5°	140	120	101	82	65	49	35	24	16	11	7
-50°	120	102	85	69	53	40	28	20	13	8	6
-52.5°	101	85	70	56	43	31	23	15	11	7	5
-55°	82	69	56	44	33	25	18	13	8	6	4
-57.5°	65	53	43	33	25	19	14	10	7	5	4
-60°	49	40	31	25	19	14	10	7	6	4	4
-62.5°	35	28	23	18	14	10	8	6	4	4	4
-65°	24	20	15	13	10	7	6	4	4	3	4
-67.5°	16	13	11	8	7	6	4	3	3	3	3
-70°	11	8	7	6	5	4	3	3	3	3	3
-72.5°	7	6	5	4	3	3	2	2	2	2	2
-75°	4	4	3	3	2	2	2	2	2	2	2
-77.5°	3	2	2	2	2	2	2	2	2	1	1
-80°	2	2	2	2	2	2	2	1	1	1	0
-82.5°	2	2	2	1	1	1	1	1	0	0	0
-85°	1	1	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: P722787 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-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°	1	0	0	0	0	0	0
75°	1	1	0	0	0	0	0
72.5°	2	1	0	0	0	0	0
70°	2	1	1	0	0	0	0
67.5°	3	2	1	0	0	0	0
65°	3	2	1	1	0	0	0
62.5°	3	3	2	1	0	0	0
60°	4	3	2	1	0	0	0
57.5°	4	3	2	1	0	0	0
55°	4	4	3	1	0	0	0
52.5°	4	4	3	2	0	0	0
50°	4	4	3	2	1	0	0
47.5°	4	4	3	2	1	0	0
45°	5	4	4	2	1	0	0
42.5°	5	4	4	2	1	0	0
40°	6	4	4	3	1	0	0
37.5°	7	4	4	3	1	0	0
35°	7	4	4	3	1	0	0
32.5°	8	5	4	3	1	0	0
30°	9	5	4	3	1	0	0
27.5°	11	6	4	3	2	0	0
25°	12	6	4	3	2	0	0
22.5°	13	6	4	3	2	0	0
20°	14	7	4	4	2	0	0
17.5°	15	7	4	4	2	0	0
15°	16	8	4	4	2	0	0
12.5°	16	8	4	4	2	0	0
10°	17	9	4	4	2	0	0
7.5°	17	9	4	4	2	0	0
5°	17	9	4	4	2	0	0
2.5°	18	10	4	4	2	0	0
0°	18	10	4	4	2	0	0
-2.5°	18	10	4	4	2	0	0
-5°	17	9	4	4	2	0	0
-7.5°	17	9	4	4	2	0	0
-10°	17	9	4	4	2	0	0
-12.5°	16	8	4	4	2	0	0
-15°	16	8	4	4	2	0	0
-17.5°	15	7	4	4	2	0	0
-20°	14	7	4	4	2	0	0



REPORT NUMBER: P722787 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_RED-ONLY

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	13	6	4	3	2	0	0
-25°	12	6	4	3	2	0	0
-27.5°	11	6	4	3	2	0	0
-30°	9	5	4	3	1	0	0
-32.5°	8	5	4	3	1	0	0
-35°	7	4	4	3	1	0	0
-37.5°	7	4	4	3	1	0	0
-40°	6	4	4	3	1	0	0
-42.5°	5	4	4	2	1	0	0
-45°	5	4	4	2	1	0	0
-47.5°	4	4	3	2	1	0	0
-50°	4	4	3	2	1	0	0
-52.5°	4	4	3	2	0	0	0
-55°	4	4	3	1	0	0	0
-57.5°	4	3	2	1	0	0	0
-60°	4	3	2	1	0	0	0
-62.5°	3	3	2	1	0	0	0
-65°	3	2	1	1	0	0	0
-67.5°	3	2	1	0	0	0	0
-70°	2	1	1	0	0	0	0
-72.5°	2	1	0	0	0	0	0
-75°	1	1	0	0	0	0	0
-77.5°	1	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)