

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: P731586 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-5S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731586 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-34)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-80-5S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

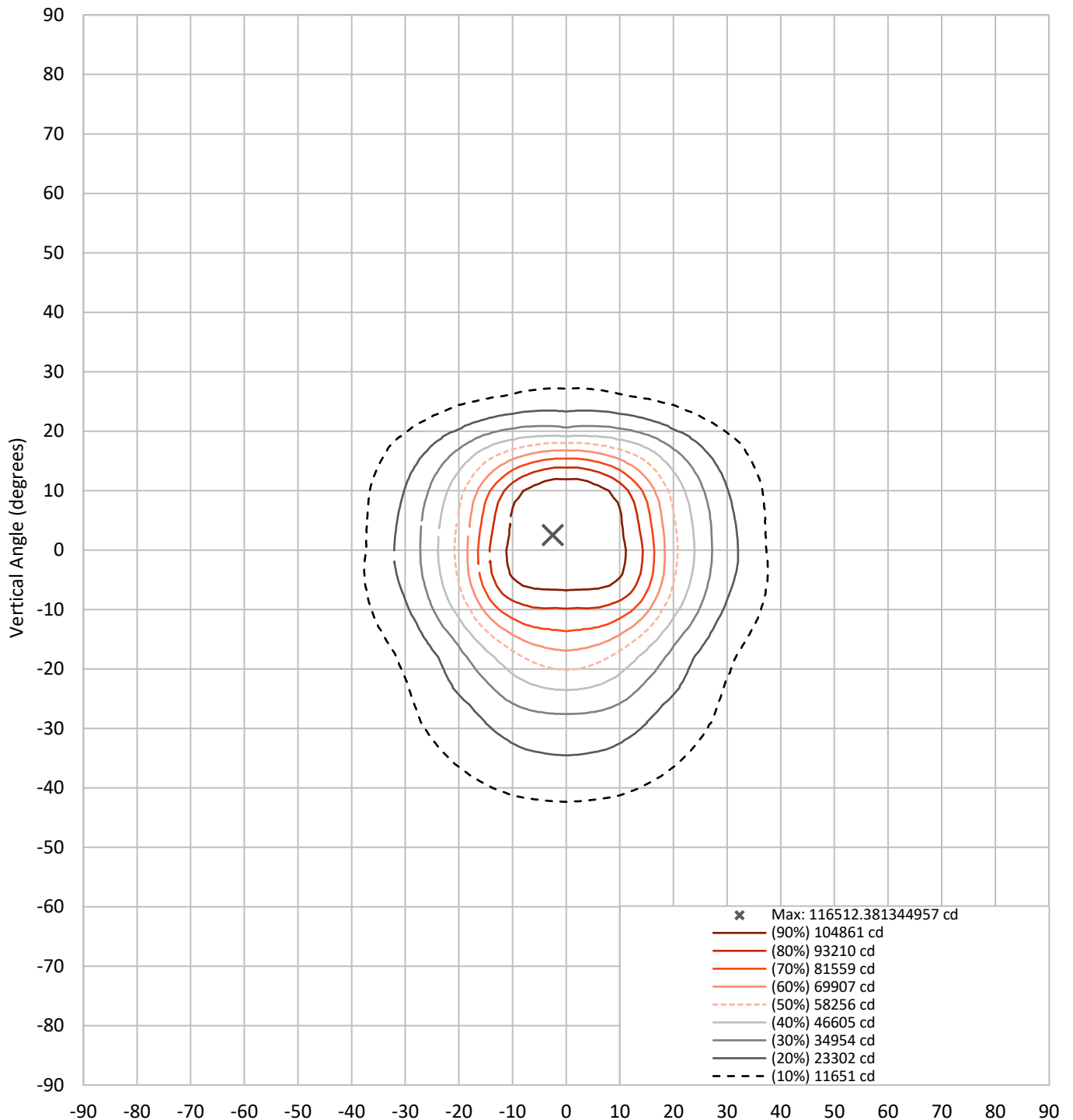
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	62204.1 lumens	Max Intensity:	116512.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	111.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.4°H x 38°V	Field Angle (10%):	74.2°H x 69.6°V
Beam Lumens:	34274.8 lumens	Field Lumens:	57848.7 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%

Input Watts (W): 559.9
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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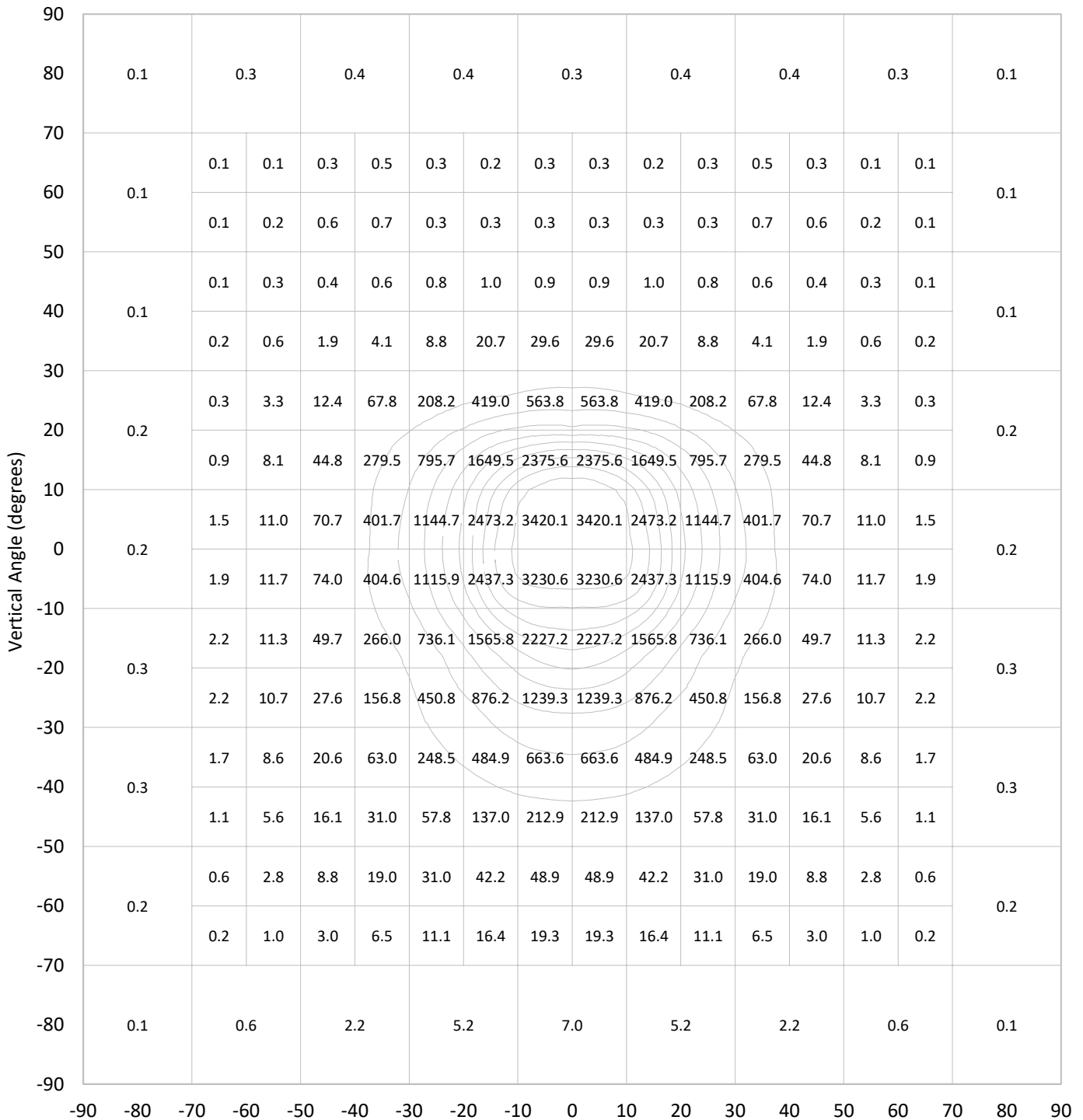
Iso-Candela Plot





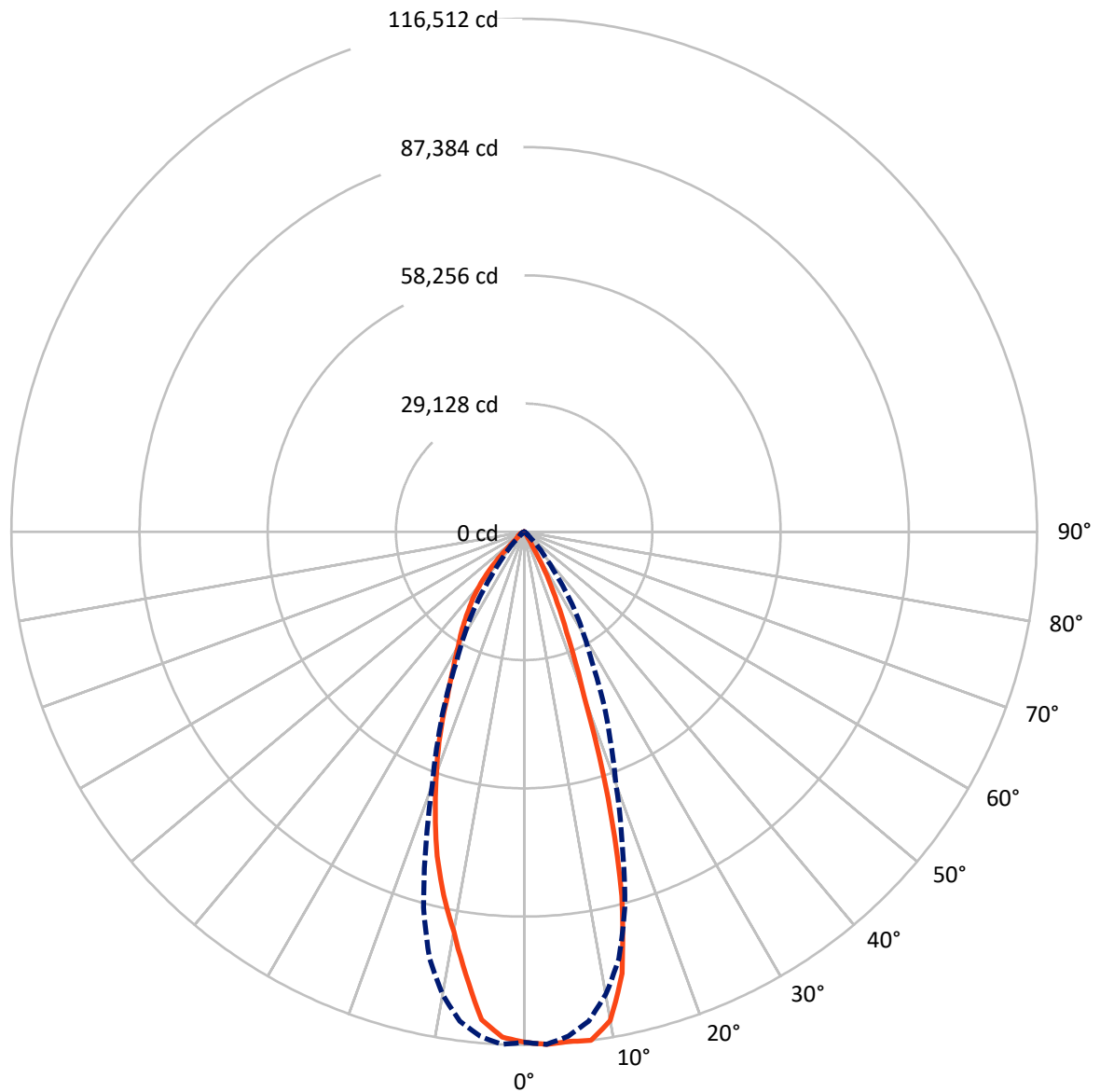
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Lumen Table



REPORT NUMBER: P731586 (CONVERTED FROM TYPE C PHOTOMETRY)
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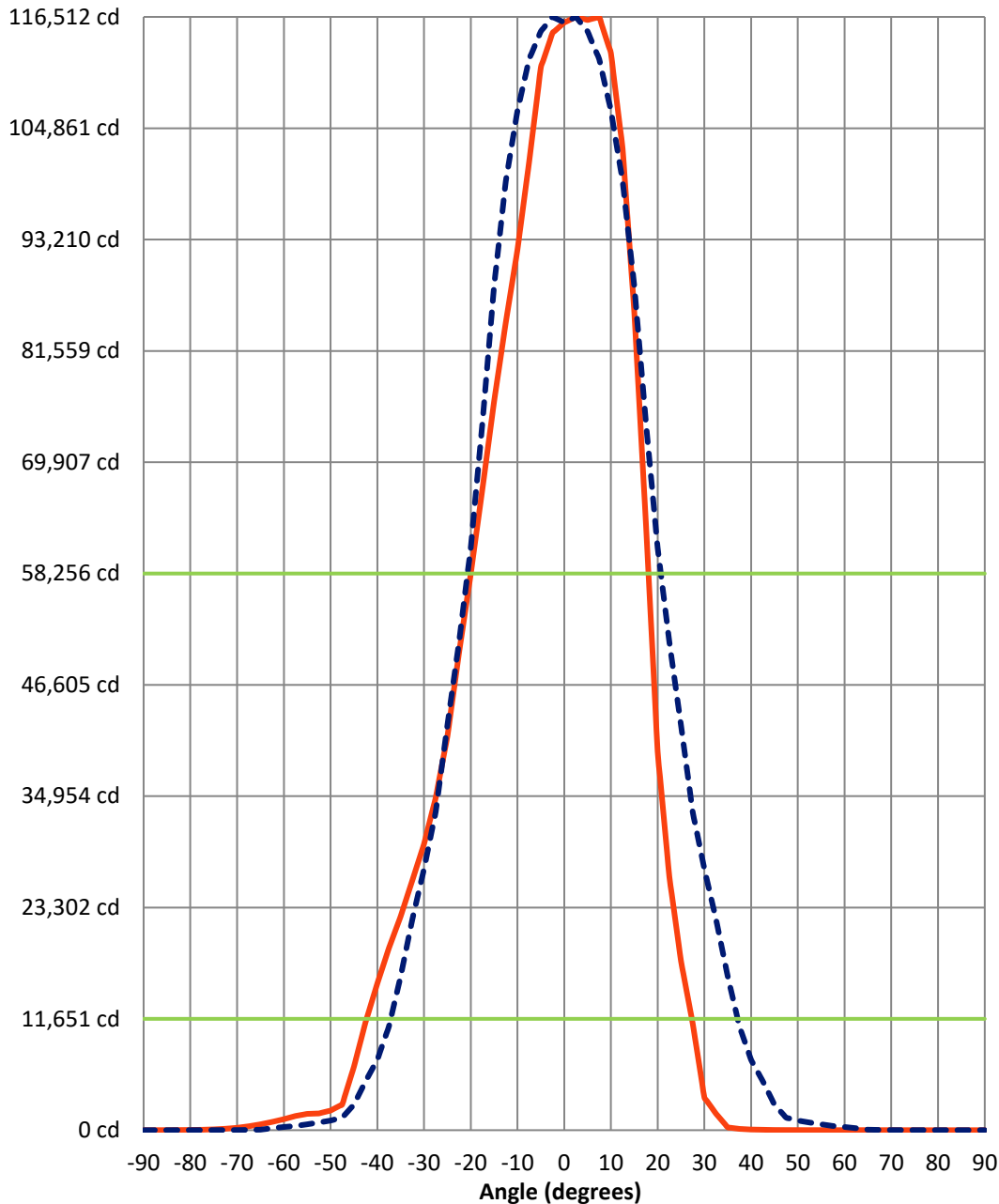
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 41.4°
 V Angle: 38°
 Lumens: 34274.8
 Efficiency: 55.1%

Field:
 H Angle: 74.2°
 V Angle: 69.6°
 Lumens: 57848.7
 Efficiency: 93.0%

Spill:
 Lumens: 4355.5
 Efficiency: 7.0%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through 2.5-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°	5	5	5	5	5	5	5	5	5	5	5
87.5°	5	5	5	5	5	5	5	5	4	4	3
85°	5	5	5	5	5	5	5	5	4	4	3
82.5°	5	5	5	5	5	5	5	5	4	4	4
80°	5	5	5	5	5	5	5	5	4	4	4
77.5°	5	5	5	5	5	5	5	5	5	5	5
75°	5	5	5	5	5	5	5	5	5	5	5
72.5°	5	5	5	5	5	5	5	5	5	5	5
70°	5	5	5	5	5	5	5	5	5	5	5
67.5°	5	5	5	5	5	5	5	5	5	5	5
65°	5	5	5	5	5	5	5	5	5	5	5
62.5°	5	5	5	5	5	5	5	5	5	5	5
60°	5	5	5	5	5	5	5	5	5	5	5
57.5°	5	5	5	5	5	5	5	5	5	5	5
55°	5	5	5	5	5	5	5	5	5	5	5
52.5°	5	5	5	5	5	5	5	5	5	5	6
50°	5	5	5	5	5	5	5	5	5	6	7
47.5°	5	5	5	5	5	5	6	5	6	6	7
45°	5	5	5	5	5	6	6	5	6	7	8
42.5°	5	5	5	5	5	6	6	6	7	8	9
40°	5	5	5	5	5	6	6	6	7	8	9
37.5°	5	5	5	5	5	6	6	7	8	9	10
35°	5	5	5	5	5	6	6	7	8	9	10
32.5°	5	5	5	5	6	6	6	7	8	10	12
30°	5	5	5	5	6	6	7	8	9	11	13
27.5°	5	5	5	5	6	7	7	8	9	11	15
25°	5	5	5	5	6	7	7	8	10	12	17
22.5°	5	5	5	6	6	7	7	9	11	14	21
20°	5	5	5	6	6	7	8	9	11	16	25
17.5°	5	5	5	6	7	7	8	9	12	17	30
15°	5	5	5	6	7	7	8	10	12	19	34
12.5°	5	5	5	6	7	7	8	10	13	21	39
10°	5	5	5	6	7	7	8	10	13	23	44
7.5°	5	5	5	6	7	7	8	10	14	25	48
5°	5	5	5	6	7	7	8	10	14	27	52
2.5°	5	5	5	7	7	7	8	10	15	28	55
0°	5	5	5	7	7	7	8	10	15	30	58
-2.5°	5	5	5	7	7	7	9	12	20	39	73
-5°	5	5	5	7	7	7	9	14	25	48	86
-7.5°	5	5	5	7	7	7	10	15	29	56	99
-10°	5	5	5	7	7	7	10	17	33	63	110
-12.5°	5	5	5	7	7	7	10	18	37	69	120
-15°	5	5	5	7	7	8	10	19	40	75	129
-17.5°	5	5	5	7	7	8	11	20	43	80	135
-20°	5	5	6	7	7	8	11	22	45	83	139



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5	5	6	7	7	8	12	23	46	84	140
-25°	5	5	6	7	7	8	12	23	45	83	138
-27.5°	5	5	6	7	7	8	13	23	44	82	137
-30°	5	5	6	7	7	8	13	23	43	80	134
-32.5°	5	5	6	7	7	8	12	23	43	77	128
-35°	5	5	6	7	7	8	12	22	41	72	120
-37.5°	5	5	6	7	7	8	12	21	39	66	109
-40°	5	5	6	7	7	8	11	20	35	61	98
-42.5°	5	5	6	7	7	8	11	18	33	55	86
-45°	5	5	5	7	7	8	10	16	30	49	73
-47.5°	5	5	5	7	7	8	9	15	26	42	65
-50°	5	5	5	7	7	8	9	14	22	37	56
-52.5°	5	5	5	6	7	8	9	12	19	31	47
-55°	5	5	5	6	7	7	8	10	16	25	40
-57.5°	5	5	5	6	7	7	8	9	14	21	32
-60°	5	5	5	6	7	7	8	9	11	17	25
-62.5°	5	5	5	6	7	7	8	9	10	13	21
-65°	5	5	5	6	6	7	7	8	10	12	16
-67.5°	5	5	5	6	6	7	7	8	9	11	13
-70°	5	5	5	5	6	7	7	8	8	9	11
-72.5°	5	5	5	5	6	6	7	7	8	9	10
-75°	5	5	5	5	6	6	7	7	7	8	9
-77.5°	5	5	5	5	6	6	7	7	7	8	8
-80°	5	5	5	5	6	6	7	7	7	7	8
-82.5°	5	5	5	5	5	6	6	7	7	7	7
-85°	5	5	5	5	5	6	6	6	6	6	6
-87.5°	5	5	5	5	5	5	5	6	6	6	6
-90°	5	5	5	5	5	5	5	5	4	4	3



REPORT NUMBER: P731586 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	5	5	5	5	5	5	5	5	5	5	5
87.5°	3	3	3	3	3	3	3	3	3	3	3
85°	3	3	3	3	3	3	3	3	3	3	3
82.5°	4	4	4	3	3	3	3	3	4	4	3
80°	4	4	4	3	3	4	4	5	5	4	4
77.5°	5	4	4	3	4	4	5	5	5	5	5
75°	5	4	4	4	4	5	5	5	6	6	5
72.5°	5	5	5	5	5	5	6	6	7	7	7
70°	5	5	5	5	5	6	7	7	8	8	9
67.5°	5	5	5	5	6	7	8	9	12	13	14
65°	5	5	5	6	7	8	10	13	18	20	21
62.5°	5	5	6	6	7	9	13	19	25	29	28
60°	5	5	6	8	9	13	18	24	32	38	34
57.5°	5	6	8	9	12	16	21	29	37	46	39
55°	6	7	9	11	14	17	23	30	39	44	39
52.5°	7	8	10	13	15	18	21	28	33	38	35
50°	8	9	11	14	16	18	18	23	27	29	29
47.5°	9	10	12	15	17	17	16	18	22	24	23
45°	9	11	13	16	17	17	16	15	20	21	22
42.5°	10	12	15	17	17	18	19	19	21	25	27
40°	11	13	17	18	19	22	25	27	28	34	38
37.5°	12	15	20	22	23	28	33	47	50	46	60
35°	13	18	25	32	36	37	57	77	86	84	96
32.5°	15	20	31	47	63	67	89	123	153	165	158
30°	18	27	42	67	103	142	149	186	247	297	371
27.5°	22	35	61	104	161	242	261	294	385	509	749
25°	27	55	83	152	258	353	390	451	557	960	1512
22.5°	38	83	128	208	372	470	537	640	890	1535	2609
20°	58	121	184	279	492	593	683	840	1398	2597	4343
17.5°	81	162	242	365	557	694	834	1045	1932	3836	6156
15°	107	205	297	439	614	762	957	1442	2779	5250	7821
12.5°	135	250	349	502	666	825	1057	1782	3662	6535	9532
10°	163	295	397	555	715	883	1148	2092	4284	7017	10352
7.5°	181	324	436	599	758	936	1229	2366	4725	7261	10689
5°	194	331	439	612	786	979	1292	2596	4998	7295	10793
2.5°	205	334	440	616	803	1007	1313	2672	5124	7362	10866
0°	211	333	438	615	814	1029	1321	2687	5127	7405	10893
-2.5°	223	345	460	640	827	1034	1332	2762	5375	7871	11714
-5°	231	354	479	661	835	1032	1330	2766	5406	7979	11748
-7.5°	236	360	493	672	828	1006	1284	2543	4931	7490	10950
-10°	239	367	503	665	804	963	1220	2266	4362	6860	9985
-12.5°	244	376	509	657	781	916	1144	1945	3716	6091	8867
-15°	246	382	512	649	761	866	1057	1584	3068	5416	7761
-17.5°	244	385	513	643	748	812	968	1273	2586	4760	6924
-20°	238	385	510	639	739	795	939	1205	2171	3992	6133



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	227	381	505	632	738	811	914	1120	1650	3104	5313
-25°	221	367	497	615	733	828	887	1028	1324	2427	4209
-27.5°	218	348	474	590	720	838	892	995	1205	1683	3045
-30°	210	315	446	558	690	818	912	961	1096	1375	2176
-32.5°	195	282	410	524	649	789	916	963	1051	1211	1512
-35°	178	261	370	485	599	741	875	977	1015	1131	1341
-37.5°	164	236	329	440	551	682	829	948	1027	1078	1233
-40°	146	208	295	395	502	622	758	897	1009	1105	1170
-42.5°	127	186	260	350	453	564	682	820	963	1100	1201
-45°	112	162	223	308	401	503	614	730	880	1035	1175
-47.5°	96	137	193	262	348	442	542	652	776	925	1086
-50°	80	117	161	222	294	379	471	567	676	800	942
-52.5°	70	96	134	181	243	316	397	481	575	676	793
-55°	58	81	109	147	194	256	322	397	474	563	652
-57.5°	48	66	88	116	154	196	254	313	382	454	525
-60°	38	53	71	92	118	153	189	239	294	348	407
-62.5°	29	41	55	72	92	113	142	176	212	256	300
-65°	23	29	40	54	68	86	104	122	151	180	207
-67.5°	16	22	29	36	49	61	74	90	106	121	139
-70°	13	16	21	26	32	38	49	61	72	83	96
-72.5°	11	13	15	18	22	27	31	35	42	51	60
-75°	10	11	12	14	16	18	20	23	27	31	34
-77.5°	9	9	10	11	12	14	15	17	18	20	21
-80°	8	8	9	9	10	11	11	12	13	14	16
-82.5°	7	7	8	8	8	8	8	9	9	10	11
-85°	7	7	7	7	7	7	7	7	7	8	8
-87.5°	6	6	6	6	6	6	6	6	6	6	6
-90°	3	3	3	3	3	3	3	3	3	3	3



REPORT NUMBER: P731586 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5	5	5	5	5	5	4	4	3	3	3
87.5°	3	3	3	3	3	3	3	2	2	2	2
85°	3	3	3	3	3	3	3	3	3	3	2
82.5°	3	3	3	3	3	3	3	3	3	3	3
80°	4	4	4	4	3	3	3	3	3	3	3
77.5°	5	5	4	4	3	3	3	3	3	3	3
75°	5	5	5	4	4	4	4	4	3	3	3
72.5°	6	6	6	6	6	6	6	5	5	5	5
70°	10	10	10	10	9	9	8	7	7	6	6
67.5°	15	15	14	13	12	10	9	8	7	7	7
65°	21	18	16	15	13	12	11	10	8	8	9
62.5°	25	20	17	15	14	13	12	10	9	8	9
60°	28	21	16	14	13	12	10	9	8	7	7
57.5°	30	21	14	13	11	9	8	8	7	7	7
55°	29	20	12	11	10	10	10	9	8	8	8
52.5°	25	18	13	11	11	10	10	10	10	9	10
50°	22	17	13	12	11	12	12	12	12	12	12
47.5°	20	16	15	13	13	15	15	15	16	16	15
45°	20	21	21	20	19	26	27	22	27	26	23
42.5°	29	31	31	39	52	51	50	57	52	46	41
40°	45	45	53	65	65	62	70	72	71	75	74
37.5°	71	72	76	83	96	90	108	119	121	137	150
35°	118	139	121	164	192	186	212	259	215	329	350
32.5°	222	268	303	352	416	510	517	851	918	1115	1385
30°	382	515	770	836	939	1330	1792	2370	2907	3291	3796
27.5°	920	1139	1688	2284	2249	2980	4632	5141	6536	7001	8179
25°	2059	2583	3911	5095	5698	7622	9803	10786	12624	13602	15044
22.5°	4026	5465	7227	9044	11309	14255	16950	18918	21393	23380	24556
20°	6517	8507	11220	14044	17547	21417	24231	28217	31940	35475	37069
17.5°	8888	12214	15497	18904	23500	28562	33148	38978	45150	49897	53767
15°	10898	14599	19334	23407	28667	34980	41797	49250	58127	64875	72141
12.5°	12752	16464	21602	26466	33549	40679	48634	57895	68157	78137	87500
10°	13947	18224	23730	29640	36895	45174	54223	64598	77748	89159	99707
7.5°	14669	19829	25531	31832	39599	48119	57649	69879	83696	95615	105091
5°	15380	21145	26693	32889	41359	50029	59324	71592	85844	97774	106283
2.5°	16092	22050	27331	33310	42359	51108	60950	74020	88345	99302	106693
0°	16743	22373	27561	33415	42794	51579	61599	74505	90486	101024	108181
-2.5°	16980	22355	27313	33117	42431	50934	60906	74815	89728	100451	107718
-5°	16261	21140	25964	31843	40501	49279	59318	73109	87266	98367	105296
-7.5°	14911	19319	24064	29890	37756	46238	55377	67424	81360	91702	97160
-10°	13497	17278	21760	27153	34085	42140	49715	59965	72847	82015	87600
-12.5°	11881	14949	19086	23799	29987	37010	43938	52608	62446	71876	77691
-15°	10184	12653	16248	20771	25657	30910	37317	44340	52185	59828	66452
-17.5°	8826	10732	14031	18095	21821	26082	32327	38037	43777	49942	55460
-20°	7953	9741	12406	15800	19496	23792	28617	33611	38947	43680	48544



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7256	9094	11150	13978	17913	21859	25571	29393	33820	38655	42729
-25°	6350	8278	10231	12921	16234	19722	22455	25176	29171	33282	36651
-27.5°	5091	7271	9551	11741	14564	17045	19447	21913	25396	28866	31383
-30°	3633	6150	8519	10756	12695	14648	16657	19181	22093	24885	27025
-32.5°	2658	4545	7106	9389	11287	12922	14465	16711	18989	21228	23273
-35°	1696	3075	5071	7396	9624	11360	13037	14664	16377	18285	20054
-37.5°	1460	1831	3057	4792	6927	9196	10845	12465	14212	15646	17134
-40°	1324	1517	1828	2443	4055	5656	7508	9241	10912	12383	13743
-42.5°	1264	1380	1505	1739	1999	2766	4117	5379	6865	8343	9633
-45°	1294	1334	1398	1513	1619	1835	2063	2301	3317	4382	5295
-47.5°	1211	1327	1389	1439	1494	1588	1685	1818	2047	2279	2463
-50°	1074	1197	1306	1413	1465	1502	1543	1620	1727	1836	1916
-52.5°	903	1022	1142	1250	1339	1424	1509	1572	1628	1683	1709
-55°	750	850	946	1044	1140	1231	1325	1420	1509	1590	1631
-57.5°	606	690	773	847	924	1002	1089	1181	1273	1358	1402
-60°	470	534	602	662	719	773	848	924	996	1058	1091
-62.5°	343	393	445	493	539	584	640	695	748	791	815
-65°	238	275	310	343	375	414	457	498	537	566	583
-67.5°	162	184	204	222	245	272	302	330	357	376	388
-70°	109	121	131	143	158	173	189	205	221	231	238
-72.5°	69	76	84	92	100	108	116	123	130	136	142
-75°	38	42	48	53	58	63	68	73	77	79	81
-77.5°	23	26	28	30	32	34	37	40	42	44	46
-80°	17	18	18	19	20	21	21	22	22	23	24
-82.5°	11	12	12	13	13	14	15	15	16	17	17
-85°	8	8	8	8	8	8	9	9	10	10	10
-87.5°	6	6	6	5	5	5	5	5	5	5	5
-90°	3	3	3	3	3	3	3	2	2	2	2



REPORT NUMBER: P731586 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	3	3	3	3	3	3	3	3	3	3	4
87.5°	2	2	2	2	2	2	2	2	2	2	2
85°	2	2	2	2	2	2	2	2	3	3	3
82.5°	2	2	2	2	2	2	2	3	3	3	3
80°	2	2	2	2	2	2	2	3	3	3	3
77.5°	2	2	2	2	2	2	2	3	3	3	3
75°	3	3	3	3	3	3	3	3	3	3	4
72.5°	5	5	5	5	5	5	5	5	5	5	5
70°	7	7	7	7	7	7	7	6	6	7	7
67.5°	8	8	8	8	8	8	8	7	7	7	8
65°	10	11	11	10	11	11	10	9	8	8	10
62.5°	9	8	8	8	8	8	9	9	8	9	10
60°	7	7	7	7	7	7	7	7	7	8	9
57.5°	8	8	8	8	8	8	8	7	7	7	8
55°	8	8	8	8	8	8	8	8	8	8	9
52.5°	10	10	10	10	10	10	10	10	9	10	10
50°	12	12	12	12	12	12	12	12	12	12	12
47.5°	15	15	15	15	15	15	15	15	16	16	15
45°	23	22	22	22	22	22	23	23	26	27	22
42.5°	44	45	47	50	47	45	44	41	46	52	57
40°	74	72	69	70	69	72	74	74	75	71	72
37.5°	155	149	138	130	138	149	155	150	137	121	119
35°	318	310	292	287	292	310	318	350	329	215	259
32.5°	1495	1666	1720	1722	1720	1666	1495	1385	1115	918	851
30°	3835	3794	3424	3043	3424	3794	3835	3796	3291	2907	2370
27.5°	9231	10358	11173	10909	11173	10358	9231	8179	7001	6536	5141
25°	16625	17423	17685	17296	17685	17423	16625	15044	13602	12624	10786
22.5°	26102	26581	26539	25664	26539	26581	26102	24556	23380	21393	18918
20°	39307	39230	39623	37842	39623	39230	39307	37069	35475	31940	28217
17.5°	57984	61051	63387	63163	63387	61051	57984	53767	49897	45150	38978
15°	77824	82459	85627	85833	85627	82459	77824	72141	64875	58127	49250
12.5°	95070	100027	102718	102309	102718	100027	95070	87500	78137	68157	57895
10°	106057	109872	112704	113407	112704	109872	106057	99707	89159	77748	64598
7.5°	110462	114033	116501	116464	116501	114033	110462	105091	95615	83696	69879
5°	111277	114793	116190	116455	116190	114793	111277	106283	97774	85844	71592
2.5°	112079	114994	116512	115935	116512	114994	112079	106693	99302	88345	74020
0°	112393	114730	115916	115549	115916	114730	112393	108181	101024	90486	74505
-2.5°	112285	113822	114827	114480	114827	113822	112285	107718	100451	89728	74815
-5°	109412	110736	111204	111460	111204	110736	109412	105296	98367	87266	73109
-7.5°	100178	101918	101358	102202	101358	101918	100178	97160	91702	81360	67424
-10°	91043	92736	92155	92700	92155	92736	91043	87600	82015	72847	59965
-12.5°	82429	84559	84527	85300	84527	84559	82429	77691	71876	62446	52608
-15°	72073	74785	76263	77210	76263	74785	72073	66452	59828	52185	44340
-17.5°	61133	64622	67107	67489	67107	64622	61133	55460	49942	43777	38037
-20°	52723	55868	58207	58961	58207	55868	52723	48544	43680	38947	33611



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	45678	48273	49964	50380	49964	48273	45678	42729	38655	33820	29393
-25°	38858	40309	41196	41531	41196	40309	38858	36651	33282	29171	25176
-27.5°	33307	34342	34785	34959	34785	34342	33307	31383	28866	25396	21913
-30°	28660	29455	29942	30123	29942	29455	28660	27025	24885	22093	19181
-32.5°	24835	25626	26140	26324	26140	25626	24835	23273	21228	18989	16711
-35°	21254	21908	22375	22593	22375	21908	21254	20054	18285	16377	14664
-37.5°	18088	18678	19068	19188	19068	18678	18088	17134	15646	14212	12465
-40°	14509	15041	15337	15323	15337	15041	14509	13743	12383	10912	9241
-42.5°	10395	10933	11313	11599	11313	10933	10395	9633	8343	6865	5379
-45°	5906	6348	6632	6765	6632	6348	5906	5295	4382	3317	2301
-47.5°	2572	2652	2693	2693	2693	2652	2572	2463	2279	2047	1818
-50°	1975	2025	2054	2062	2054	2025	1975	1916	1836	1727	1620
-52.5°	1728	1745	1753	1754	1753	1745	1728	1709	1683	1628	1572
-55°	1665	1694	1706	1704	1706	1694	1665	1631	1590	1509	1420
-57.5°	1439	1468	1485	1491	1485	1468	1439	1402	1358	1273	1181
-60°	1117	1135	1151	1161	1151	1135	1117	1091	1058	996	924
-62.5°	836	851	866	876	866	851	836	815	791	748	695
-65°	594	602	614	625	614	602	594	583	566	537	498
-67.5°	398	406	410	411	410	406	398	388	376	357	330
-70°	243	245	250	255	250	245	243	238	231	221	205
-72.5°	147	151	151	150	151	151	147	142	136	130	123
-75°	83	84	85	85	85	84	83	81	79	77	73
-77.5°	47	48	47	47	47	48	47	46	44	42	40
-80°	24	25	25	25	25	25	24	24	23	22	22
-82.5°	18	18	17	17	17	18	18	17	17	16	15
-85°	10	10	10	10	10	10	10	10	10	10	9
-87.5°	5	5	5	5	5	5	5	5	5	5	5
-90°	2	2	1	0	1	2	2	2	2	2	2



REPORT NUMBER: P731586 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	4	5	5	5	5	5	5	5	5	5	5
87.5°	3	3	3	3	3	3	3	3	3	3	3
85°	3	3	3	3	3	3	3	3	3	3	3
82.5°	3	3	3	3	3	3	3	3	4	4	3
80°	3	3	3	4	4	4	4	4	4	5	5
77.5°	3	3	3	4	4	5	5	5	5	5	5
75°	4	4	4	4	5	5	5	5	6	6	5
72.5°	6	6	6	6	6	6	6	7	7	7	6
70°	8	9	9	10	10	10	10	9	8	8	7
67.5°	9	10	12	13	14	15	15	14	13	12	9
65°	11	12	13	15	16	18	21	21	20	18	13
62.5°	12	13	14	15	17	20	25	28	29	25	19
60°	10	12	13	14	16	21	28	34	38	32	24
57.5°	8	9	11	13	14	21	30	39	46	37	29
55°	10	10	10	11	12	20	29	39	44	39	30
52.5°	10	10	11	11	13	18	25	35	38	33	28
50°	12	12	11	12	13	17	22	29	29	27	23
47.5°	15	15	13	13	15	16	20	23	24	22	18
45°	27	26	19	20	21	21	20	22	21	20	15
42.5°	50	51	52	39	31	31	29	27	25	21	19
40°	70	62	65	65	53	45	45	38	34	28	27
37.5°	108	90	96	83	76	72	71	60	46	50	47
35°	212	186	192	164	121	139	118	96	84	86	77
32.5°	517	510	416	352	303	268	222	158	165	153	123
30°	1792	1330	939	836	770	515	382	371	297	247	186
27.5°	4632	2980	2249	2284	1688	1139	920	749	509	385	294
25°	9803	7622	5698	5095	3911	2583	2059	1512	960	557	451
22.5°	16950	14255	11309	9044	7227	5465	4026	2609	1535	890	640
20°	24231	21417	17547	14044	11220	8507	6517	4343	2597	1398	840
17.5°	33148	28562	23500	18904	15497	12214	8888	6156	3836	1932	1045
15°	41797	34980	28667	23407	19334	14599	10898	7821	5250	2779	1442
12.5°	48634	40679	33549	26466	21602	16464	12752	9532	6535	3662	1782
10°	54223	45174	36895	29640	23730	18224	13947	10352	7017	4284	2092
7.5°	57649	48119	39599	31832	25531	19829	14669	10689	7261	4725	2366
5°	59324	50029	41359	32889	26693	21145	15380	10793	7295	4998	2596
2.5°	60950	51108	42359	33310	27331	22050	16092	10866	7362	5124	2672
0°	61599	51579	42794	33415	27561	22373	16743	10893	7405	5127	2687
-2.5°	60906	50934	42431	33117	27313	22355	16980	11714	7871	5375	2762
-5°	59318	49279	40501	31843	25964	21140	16261	11748	7979	5406	2766
-7.5°	55377	46238	37756	29890	24064	19319	14911	10950	7490	4931	2543
-10°	49715	42140	34085	27153	21760	17278	13497	9985	6860	4362	2266
-12.5°	43938	37010	29987	23799	19086	14949	11881	8867	6091	3716	1945
-15°	37317	30910	25657	20771	16248	12653	10184	7761	5416	3068	1584
-17.5°	32327	26082	21821	18095	14031	10732	8826	6924	4760	2586	1273
-20°	28617	23792	19496	15800	12406	9741	7953	6133	3992	2171	1205



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	25571	21859	17913	13978	11150	9094	7256	5313	3104	1650	1120
-25°	22455	19722	16234	12921	10231	8278	6350	4209	2427	1324	1028
-27.5°	19447	17045	14564	11741	9551	7271	5091	3045	1683	1205	995
-30°	16657	14648	12695	10756	8519	6150	3633	2176	1375	1096	961
-32.5°	14465	12922	11287	9389	7106	4545	2658	1512	1211	1051	963
-35°	13037	11360	9624	7396	5071	3075	1696	1341	1131	1015	977
-37.5°	10845	9196	6927	4792	3057	1831	1460	1233	1078	1027	948
-40°	7508	5656	4055	2443	1828	1517	1324	1170	1105	1009	897
-42.5°	4117	2766	1999	1739	1505	1380	1264	1201	1100	963	820
-45°	2063	1835	1619	1513	1398	1334	1294	1175	1035	880	730
-47.5°	1685	1588	1494	1439	1389	1327	1211	1086	925	776	652
-50°	1543	1502	1465	1413	1306	1197	1074	942	800	676	567
-52.5°	1509	1424	1339	1250	1142	1022	903	793	676	575	481
-55°	1325	1231	1140	1044	946	850	750	652	563	474	397
-57.5°	1089	1002	924	847	773	690	606	525	454	382	313
-60°	848	773	719	662	602	534	470	407	348	294	239
-62.5°	640	584	539	493	445	393	343	300	256	212	176
-65°	457	414	375	343	310	275	238	207	180	151	122
-67.5°	302	272	245	222	204	184	162	139	121	106	90
-70°	189	173	158	143	131	121	109	96	83	72	61
-72.5°	116	108	100	92	84	76	69	60	51	42	35
-75°	68	63	58	53	48	42	38	34	31	27	23
-77.5°	37	34	32	30	28	26	23	21	20	18	17
-80°	21	21	20	19	18	18	17	16	14	13	12
-82.5°	15	14	13	13	12	12	11	11	10	9	9
-85°	9	8	8	8	8	8	8	8	8	7	7
-87.5°	5	5	5	5	6	6	6	6	6	6	6
-90°	3	3	3	3	3	3	3	3	3	3	3



REPORT NUMBER: P731586 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	5	5	5	5	5	5	5	5	5	5	5
87.5°	3	3	3	3	3	3	3	3	4	4	5
85°	3	3	3	3	3	3	3	3	4	4	5
82.5°	3	3	3	3	4	4	4	4	4	4	5
80°	4	4	3	3	4	4	4	4	4	4	5
77.5°	5	4	4	3	4	4	5	5	5	5	5
75°	5	5	4	4	4	4	5	5	5	5	5
72.5°	6	5	5	5	5	5	5	5	5	5	5
70°	7	6	5	5	5	5	5	5	5	5	5
67.5°	8	7	6	5	5	5	5	5	5	5	5
65°	10	8	7	6	5	5	5	5	5	5	5
62.5°	13	9	7	6	6	5	5	5	5	5	5
60°	18	13	9	8	6	5	5	5	5	5	5
57.5°	21	16	12	9	8	6	5	5	5	5	5
55°	23	17	14	11	9	7	6	5	5	5	5
52.5°	21	18	15	13	10	8	7	6	5	5	5
50°	18	18	16	14	11	9	8	7	6	5	5
47.5°	16	17	17	15	12	10	9	7	6	6	5
45°	16	17	17	16	13	11	9	8	7	6	5
42.5°	19	18	17	17	15	12	10	9	8	7	6
40°	25	22	19	18	17	13	11	9	8	7	6
37.5°	33	28	23	22	20	15	12	10	9	8	7
35°	57	37	36	32	25	18	13	10	9	8	7
32.5°	89	67	63	47	31	20	15	12	10	8	7
30°	149	142	103	67	42	27	18	13	11	9	8
27.5°	261	242	161	104	61	35	22	15	11	9	8
25°	390	353	258	152	83	55	27	17	12	10	8
22.5°	537	470	372	208	128	83	38	21	14	11	9
20°	683	593	492	279	184	121	58	25	16	11	9
17.5°	834	694	557	365	242	162	81	30	17	12	9
15°	957	762	614	439	297	205	107	34	19	12	10
12.5°	1057	825	666	502	349	250	135	39	21	13	10
10°	1148	883	715	555	397	295	163	44	23	13	10
7.5°	1229	936	758	599	436	324	181	48	25	14	10
5°	1292	979	786	612	439	331	194	52	27	14	10
2.5°	1313	1007	803	616	440	334	205	55	28	15	10
0°	1321	1029	814	615	438	333	211	58	30	15	10
-2.5°	1332	1034	827	640	460	345	223	73	39	20	12
-5°	1330	1032	835	661	479	354	231	86	48	25	14
-7.5°	1284	1006	828	672	493	360	236	99	56	29	15
-10°	1220	963	804	665	503	367	239	110	63	33	17
-12.5°	1144	916	781	657	509	376	244	120	69	37	18
-15°	1057	866	761	649	512	382	246	129	75	40	19
-17.5°	968	812	748	643	513	385	244	135	80	43	20
-20°	939	795	739	639	510	385	238	139	83	45	22



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	914	811	738	632	505	381	227	140	84	46	23
-25°	887	828	733	615	497	367	221	138	83	45	23
-27.5°	892	838	720	590	474	348	218	137	82	44	23
-30°	912	818	690	558	446	315	210	134	80	43	23
-32.5°	916	789	649	524	410	282	195	128	77	43	23
-35°	875	741	599	485	370	261	178	120	72	41	22
-37.5°	829	682	551	440	329	236	164	109	66	39	21
-40°	758	622	502	395	295	208	146	98	61	35	20
-42.5°	682	564	453	350	260	186	127	86	55	33	18
-45°	614	503	401	308	223	162	112	73	49	30	16
-47.5°	542	442	348	262	193	137	96	65	42	26	15
-50°	471	379	294	222	161	117	80	56	37	22	14
-52.5°	397	316	243	181	134	96	70	47	31	19	12
-55°	322	256	194	147	109	81	58	40	25	16	10
-57.5°	254	196	154	116	88	66	48	32	21	14	9
-60°	189	153	118	92	71	53	38	25	17	11	9
-62.5°	142	113	92	72	55	41	29	21	13	10	9
-65°	104	86	68	54	40	29	23	16	12	10	8
-67.5°	74	61	49	36	29	22	16	13	11	9	8
-70°	49	38	32	26	21	16	13	11	9	8	8
-72.5°	31	27	22	18	15	13	11	10	9	8	7
-75°	20	18	16	14	12	11	10	9	8	7	7
-77.5°	15	14	12	11	10	9	9	8	8	7	7
-80°	11	11	10	9	9	8	8	8	7	7	7
-82.5°	8	8	8	8	8	7	7	7	7	7	7
-85°	7	7	7	7	7	7	7	6	6	6	6
-87.5°	6	6	6	6	6	6	6	6	6	6	6
-90°	3	3	3	3	3	3	3	3	4	4	5



REPORT NUMBER: P731586 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV1

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P731586 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	12	8	7	7	6	5	5
-25°	12	8	7	7	6	5	5
-27.5°	13	8	7	7	6	5	5
-30°	13	8	7	7	6	5	5
-32.5°	12	8	7	7	6	5	5
-35°	12	8	7	7	6	5	5
-37.5°	12	8	7	7	6	5	5
-40°	11	8	7	7	6	5	5
-42.5°	11	8	7	7	6	5	5
-45°	10	8	7	7	5	5	5
-47.5°	9	8	7	7	5	5	5
-50°	9	8	7	7	5	5	5
-52.5°	9	8	7	6	5	5	5
-55°	8	7	7	6	5	5	5
-57.5°	8	7	7	6	5	5	5
-60°	8	7	7	6	5	5	5
-62.5°	8	7	7	6	5	5	5
-65°	7	7	6	6	5	5	5
-67.5°	7	7	6	6	5	5	5
-70°	7	7	6	5	5	5	5
-72.5°	7	6	6	5	5	5	5
-75°	7	6	6	5	5	5	5
-77.5°	7	6	6	5	5	5	5
-80°	7	6	6	5	5	5	5
-82.5°	6	6	5	5	5	5	5
-85°	6	6	5	5	5	5	5
-87.5°	5	5	5	5	5	5	5
-90°	5	5	5	5	5	5	5

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

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

Scaled Data Report

