

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: LUMIERE

Report Number: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29424)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	1032.8 lumens	Max Intensity:	1140.2 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -5°V
Efficacy:	103.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	56.2°H x 56.2°V	Field Angle (10%):	89.9°H x 89.9°V
Beam Lumens:	637.1 lumens	Field Lumens:	963 lumens
Beam Efficiency:	61.7%	Field Efficiency:	93.2%

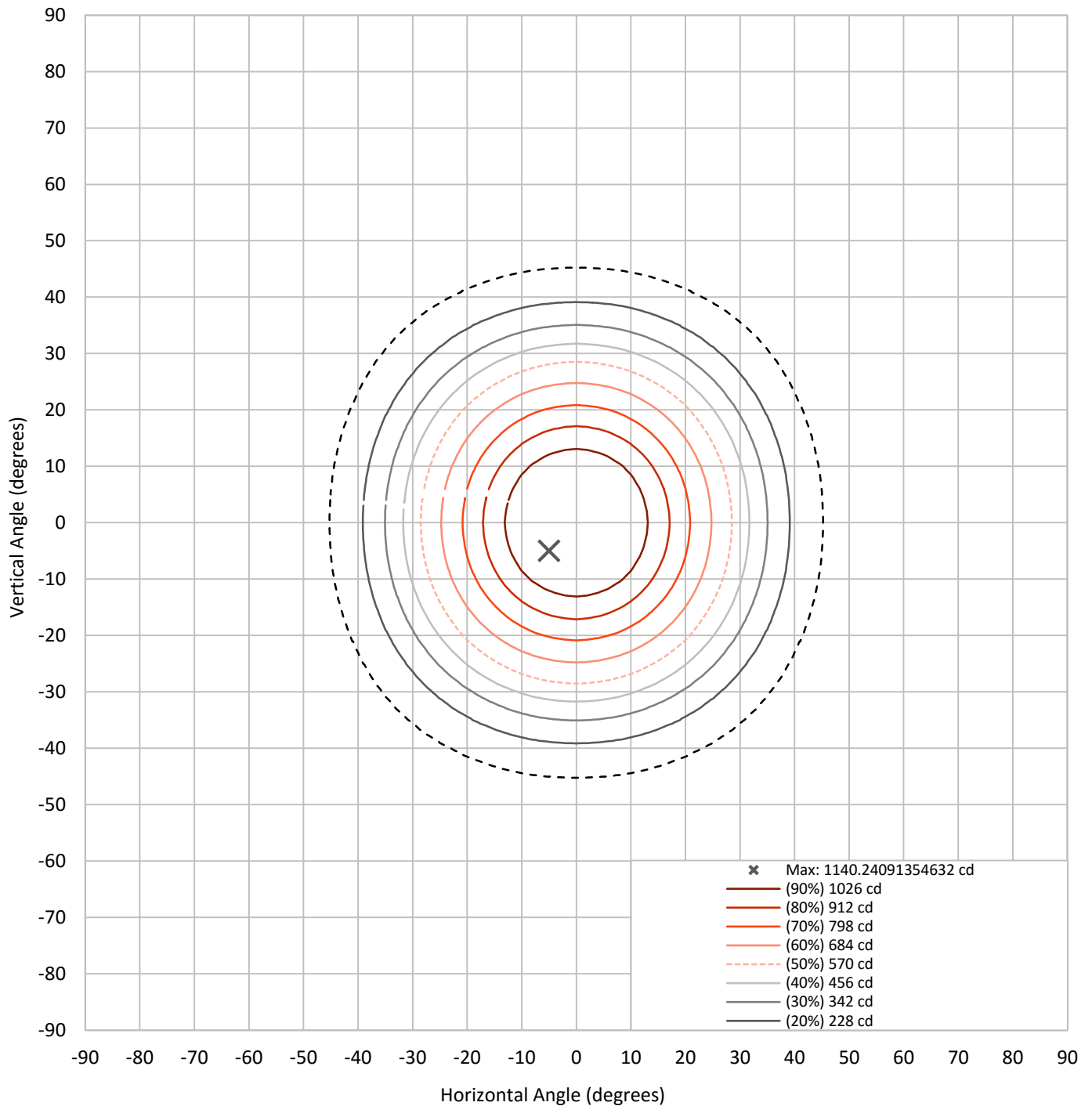
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV

Iso-Candela Plot





REPORT NUMBER: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)

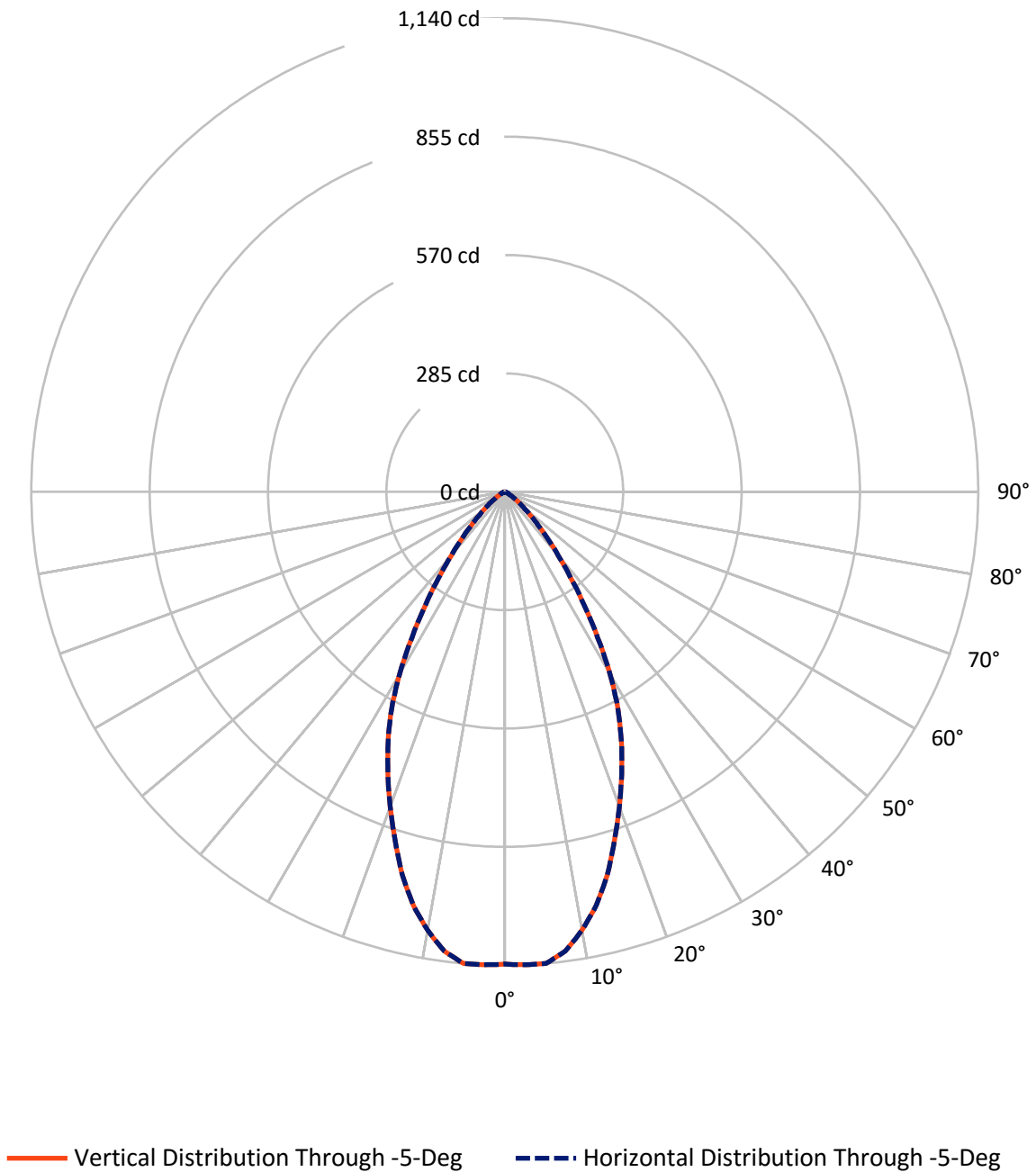
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV

Lumen Table

90	0.0															
80	0.0															
70	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0
60		0.0	0.0	0.1	0.3	0.5	0.8	1.0	1.0	0.8	0.5	0.3	0.1	0.0	0.0	
50	0.0	0.0	0.1	0.3	0.9	1.8	2.8	3.6	3.6	2.8	1.8	0.9	0.3	0.1	0.0	0.0
40		0.0	0.2	0.7	2.1	4.7	7.9	10.2	10.2	7.9	4.7	2.1	0.7	0.2	0.0	
30	0.0	0.1	0.3	1.4	4.3	9.8	16.1	19.9	19.9	16.1	9.8	4.3	1.4	0.3	0.1	0.0
20		0.1	0.5	2.1	6.8	15.2	23.1	28.5	28.5	23.1	15.2	6.8	2.1	0.5	0.1	
10	0.0	0.1	0.6	2.6	8.5	18.2	27.7	33.7	33.7	27.7	18.2	8.5	2.6	0.6	0.1	0.0
0		0.1	0.6	2.6	8.5	18.2	27.7	33.7	33.7	27.7	18.2	8.5	2.6	0.6	0.1	
-10	0.0	0.1	0.5	2.1	6.8	15.2	23.1	28.5	28.5	23.1	15.2	6.8	2.1	0.5	0.1	0.0
-20		0.1	0.3	1.4	4.3	9.8	16.1	19.9	19.9	16.1	9.8	4.3	1.4	0.3	0.1	
-30	0.0	0.0	0.2	0.7	2.1	4.7	7.9	10.2	10.2	7.9	4.7	2.1	0.7	0.2	0.0	0.0
-40		0.0	0.1	0.3	0.9	1.8	2.8	3.6	3.6	2.8	1.8	0.9	0.3	0.1	0.0	
-50	0.0	0.0	0.0	0.1	0.3	0.5	0.8	1.0	1.0	0.8	0.5	0.3	0.1	0.0	0.0	0.0
-60		0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	
-70	0.0															
-80	0.0															
-90	0.0															

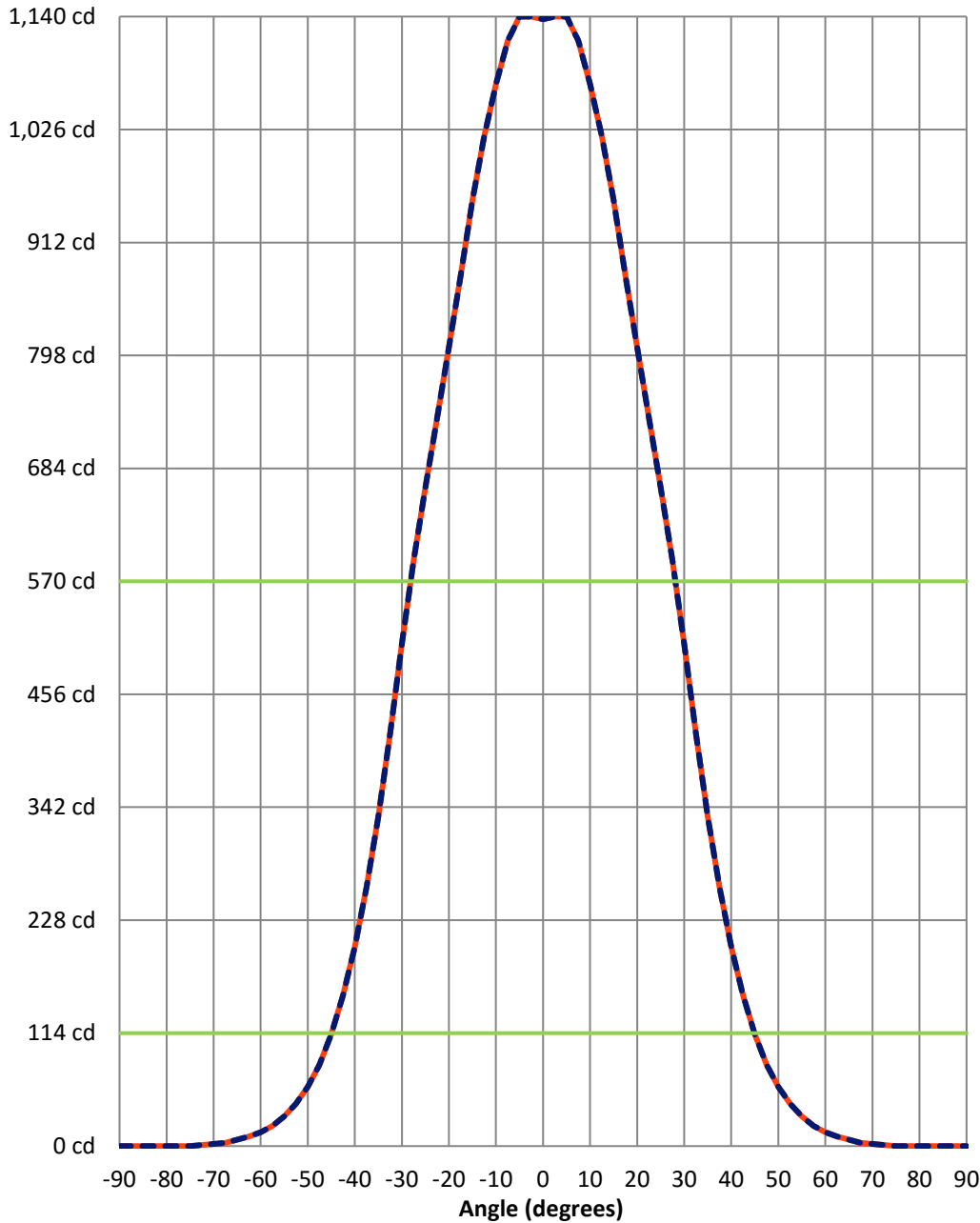
REPORT NUMBER: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV

Luminous Intensity Polar Plot



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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV

Luminous Intensity Plot



Beam:
H Angle: 56.2°
V Angle: 56.2°
Lumens: 637.1
Efficiency: 61.7%

Field:
H Angle: 89.9°
V Angle: 89.9°
Lumens: 963
Efficiency: 93.2%

Spill:
Lumens: 69.8
Efficiency: 6.8%

— Vertical Distribution through -5-Deg
- - Horizontal Distribution through -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°	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	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0	0	0	0	1
45°	0	0	0	0	0	0	0	0	0	0	1
42.5°	0	0	0	0	0	0	0	0	0	1	1
40°	0	0	0	0	0	0	0	0	0	1	2
37.5°	0	0	0	0	0	0	0	0	0	1	2
35°	0	0	0	0	0	0	0	0	1	1	2
32.5°	0	0	0	0	0	0	0	0	1	2	3
30°	0	0	0	0	0	0	0	0	1	2	3
27.5°	0	0	0	0	0	0	0	0	1	2	3
25°	0	0	0	0	0	0	0	0	1	2	3
22.5°	0	0	0	0	0	0	0	0	2	3	4
20°	0	0	0	0	0	0	0	1	2	3	4
17.5°	0	0	0	0	0	0	0	1	2	3	5
15°	0	0	0	0	0	0	0	1	2	3	5
12.5°	0	0	0	0	0	0	0	1	2	3	6
10°	0	0	0	0	0	0	0	1	2	3	6
7.5°	0	0	0	0	0	0	0	1	2	3	6
5°	0	0	0	0	0	0	0	1	2	3	6
2.5°	0	0	0	0	0	0	0	1	2	3	7
0°	0	0	0	0	0	0	0	1	2	3	7
-2.5°	0	0	0	0	0	0	0	1	2	3	7
-5°	0	0	0	0	0	0	0	1	2	3	6
-7.5°	0	0	0	0	0	0	0	1	2	3	6
-10°	0	0	0	0	0	0	0	1	2	3	6
-12.5°	0	0	0	0	0	0	0	1	2	3	6
-15°	0	0	0	0	0	0	0	1	2	3	5
-17.5°	0	0	0	0	0	0	0	1	2	3	5
-20°	0	0	0	0	0	0	0	1	2	3	4



REPORT NUMBER: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	0	0	0	0	0	0	0	2	3	4
-25°	0	0	0	0	0	0	0	0	1	2	3
-27.5°	0	0	0	0	0	0	0	0	1	2	3
-30°	0	0	0	0	0	0	0	0	1	2	3
-32.5°	0	0	0	0	0	0	0	0	1	2	3
-35°	0	0	0	0	0	0	0	0	1	1	2
-37.5°	0	0	0	0	0	0	0	0	0	1	2
-40°	0	0	0	0	0	0	0	0	0	1	2
-42.5°	0	0	0	0	0	0	0	0	0	1	1
-45°	0	0	0	0	0	0	0	0	0	0	1
-47.5°	0	0	0	0	0	0	0	0	0	0	1
-50°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-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: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV

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	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	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	1	1	1
65°	0	0	0	0	0	0	1	1	1	2	2
62.5°	0	0	0	0	1	1	1	2	2	3	3
60°	0	0	0	1	1	2	2	3	3	3	4
57.5°	0	0	1	1	2	2	3	3	4	6	7
55°	0	1	1	2	2	3	4	5	7	8	9
52.5°	1	1	2	2	3	4	6	7	9	10	12
50°	1	2	2	3	4	6	8	9	11	13	16
47.5°	1	2	3	4	6	8	9	12	14	17	20
45°	2	3	3	5	7	9	12	14	18	22	27
42.5°	2	3	4	7	9	11	14	18	22	28	35
40°	3	3	6	8	10	13	17	22	28	35	43
37.5°	3	4	7	9	12	16	20	27	35	43	54
35°	3	6	8	11	14	19	25	33	42	53	66
32.5°	4	7	9	12	17	22	30	39	50	63	79
30°	5	7	10	14	19	26	35	46	59	75	95
27.5°	6	8	11	16	21	30	40	53	69	88	112
25°	6	9	13	18	25	34	45	60	79	103	131
22.5°	7	10	14	19	28	38	52	68	90	117	150
20°	8	11	15	21	30	42	57	76	101	133	170
17.5°	8	12	16	23	33	46	62	83	112	147	190
15°	9	12	17	25	36	50	68	91	122	161	207
12.5°	9	13	18	27	38	53	73	99	132	174	225
10°	9	13	19	28	40	56	77	105	141	186	241
7.5°	9	14	20	29	42	58	80	110	147	195	253
5°	10	14	20	30	43	60	82	113	152	201	262
2.5°	10	14	21	30	43	61	84	115	155	205	267
0°	10	14	21	31	44	61	84	116	156	206	269
-2.5°	10	14	21	30	43	61	84	115	155	205	267
-5°	10	14	20	30	43	60	82	113	152	201	262
-7.5°	9	14	20	29	42	58	80	110	147	195	253
-10°	9	13	19	28	40	56	77	105	141	186	241
-12.5°	9	13	18	27	38	53	73	99	132	174	225
-15°	9	12	17	25	36	50	68	91	122	161	207
-17.5°	8	12	16	23	33	46	62	83	112	147	190
-20°	8	11	15	21	30	42	57	76	101	133	170



REPORT NUMBER: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	7	10	14	19	28	38	52	68	90	117	150
-25°	6	9	13	18	25	34	45	60	79	103	131
-27.5°	6	8	11	16	21	30	40	53	69	88	112
-30°	5	7	10	14	19	26	35	46	59	75	95
-32.5°	4	7	9	12	17	22	30	39	50	63	79
-35°	3	6	8	11	14	19	25	33	42	53	66
-37.5°	3	4	7	9	12	16	20	27	35	43	54
-40°	3	3	6	8	10	13	17	22	28	35	43
-42.5°	2	3	4	7	9	11	14	18	22	28	35
-45°	2	3	3	5	7	9	12	14	18	22	27
-47.5°	1	2	3	4	6	8	9	12	14	17	20
-50°	1	2	2	3	4	6	8	9	11	13	16
-52.5°	1	1	2	2	3	4	6	7	9	10	12
-55°	0	1	1	2	2	3	4	5	7	8	9
-57.5°	0	0	1	1	2	2	3	3	4	6	7
-60°	0	0	0	1	1	2	2	3	3	3	4
-62.5°	0	0	0	0	1	1	1	2	2	3	3
-65°	0	0	0	0	0	0	1	1	1	2	2
-67.5°	0	0	0	0	0	0	0	0	1	1	1
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-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: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV

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°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	1	1	1	1	1
70°	1	1	1	1	1	2	2	2	2	2	2
67.5°	1	2	2	2	2	3	3	3	3	3	3
65°	2	3	3	3	3	4	4	5	5	6	6
62.5°	3	4	5	6	6	7	8	8	9	9	9
60°	6	7	7	8	9	10	11	12	12	13	13
57.5°	8	9	10	11	13	14	15	16	17	18	19
55°	11	12	14	16	18	19	21	23	25	27	28
52.5°	14	17	19	21	25	28	30	33	36	38	40
50°	19	22	26	30	34	38	42	46	50	53	56
47.5°	25	30	35	40	45	52	57	62	68	73	77
45°	33	39	46	53	60	68	76	83	91	99	105
42.5°	42	50	59	69	79	90	101	112	122	132	141
40°	53	63	75	88	103	117	133	147	161	174	186
37.5°	66	79	95	112	131	150	170	190	207	225	241
35°	81	99	119	142	165	190	215	241	264	286	306
32.5°	99	121	147	175	203	236	267	299	329	356	382
30°	119	147	178	211	249	287	326	365	403	436	466
27.5°	142	175	211	253	298	343	392	438	482	521	551
25°	165	203	249	298	349	406	461	514	559	596	626
22.5°	190	236	287	343	406	469	529	581	625	662	692
20°	215	267	326	392	461	529	589	640	683	723	757
17.5°	241	299	365	438	514	581	640	691	739	783	821
15°	264	329	403	482	559	625	683	739	792	840	885
12.5°	286	356	436	521	596	662	723	783	840	897	950
10°	306	382	466	551	626	692	757	821	885	950	1003
7.5°	321	402	490	574	649	717	786	854	925	991	1043
5°	333	416	507	591	665	735	806	879	955	1019	1072
2.5°	339	425	517	601	675	747	819	895	972	1037	1091
0°	342	428	521	604	678	751	823	900	978	1043	1097
-2.5°	339	425	517	601	675	747	819	895	972	1037	1091
-5°	333	416	507	591	665	735	806	879	955	1019	1072
-7.5°	321	402	490	574	649	717	786	854	925	991	1043
-10°	306	382	466	551	626	692	757	821	885	950	1003
-12.5°	286	356	436	521	596	662	723	783	840	897	950
-15°	264	329	403	482	559	625	683	739	792	840	885
-17.5°	241	299	365	438	514	581	640	691	739	783	821
-20°	215	267	326	392	461	529	589	640	683	723	757



REPORT NUMBER: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	190	236	287	343	406	469	529	581	625	662	692
-25°	165	203	249	298	349	406	461	514	559	596	626
-27.5°	142	175	211	253	298	343	392	438	482	521	551
-30°	119	147	178	211	249	287	326	365	403	436	466
-32.5°	99	121	147	175	203	236	267	299	329	356	382
-35°	81	99	119	142	165	190	215	241	264	286	306
-37.5°	66	79	95	112	131	150	170	190	207	225	241
-40°	53	63	75	88	103	117	133	147	161	174	186
-42.5°	42	50	59	69	79	90	101	112	122	132	141
-45°	33	39	46	53	60	68	76	83	91	99	105
-47.5°	25	30	35	40	45	52	57	62	68	73	77
-50°	19	22	26	30	34	38	42	46	50	53	56
-52.5°	14	17	19	21	25	28	30	33	36	38	40
-55°	11	12	14	16	18	19	21	23	25	27	28
-57.5°	8	9	10	11	13	14	15	16	17	18	19
-60°	6	7	7	8	9	10	11	12	12	13	13
-62.5°	3	4	5	6	6	7	8	8	9	9	9
-65°	2	3	3	3	3	4	4	5	5	6	6
-67.5°	1	2	2	2	2	3	3	3	3	3	3
-70°	1	1	1	1	1	2	2	2	2	2	2
-72.5°	0	0	0	0	0	0	1	1	1	1	1
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-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: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV

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°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	1
70°	2	2	2	2	2	2	2	2	2	2	2
67.5°	3	3	3	3	3	3	3	3	3	3	3
65°	6	6	7	7	7	6	6	6	6	5	5
62.5°	9	10	10	10	10	10	9	9	9	9	8
60°	14	14	14	14	14	14	14	13	13	12	12
57.5°	20	20	21	21	21	20	20	19	18	17	16
55°	29	30	30	31	30	30	29	28	27	25	23
52.5°	42	43	43	44	43	43	42	40	38	36	33
50°	58	60	61	61	61	60	58	56	53	50	46
47.5°	80	82	84	84	84	82	80	77	73	68	62
45°	110	113	115	116	115	113	110	105	99	91	83
42.5°	147	152	155	156	155	152	147	141	132	122	112
40°	195	201	205	206	205	201	195	186	174	161	147
37.5°	253	262	267	269	267	262	253	241	225	207	190
35°	321	333	339	342	339	333	321	306	286	264	241
32.5°	402	416	425	428	425	416	402	382	356	329	299
30°	490	507	517	521	517	507	490	466	436	403	365
27.5°	574	591	601	604	601	591	574	551	521	482	438
25°	649	665	675	678	675	665	649	626	596	559	514
22.5°	717	735	747	751	747	735	717	692	662	625	581
20°	786	806	819	823	819	806	786	757	723	683	640
17.5°	854	879	895	900	895	879	854	821	783	739	691
15°	925	955	972	978	972	955	925	885	840	792	739
12.5°	991	1019	1037	1043	1037	1019	991	950	897	840	783
10°	1043	1072	1091	1097	1091	1072	1043	1003	950	885	821
7.5°	1084	1116	1132	1136	1132	1116	1084	1043	991	925	854
5°	1116	1140	1140	1138	1140	1140	1116	1072	1019	955	879
2.5°	1132	1140	1125	1116	1125	1140	1132	1091	1037	972	895
0°	1136	1138	1116	1111	1116	1138	1136	1097	1043	978	900
-2.5°	1132	1140	1125	1116	1125	1140	1132	1091	1037	972	895
-5°	1116	1140	1140	1138	1140	1140	1116	1072	1019	955	879
-7.5°	1084	1116	1132	1136	1132	1116	1084	1043	991	925	854
-10°	1043	1072	1091	1097	1091	1072	1043	1003	950	885	821
-12.5°	991	1019	1037	1043	1037	1019	991	950	897	840	783
-15°	925	955	972	978	972	955	925	885	840	792	739
-17.5°	854	879	895	900	895	879	854	821	783	739	691
-20°	786	806	819	823	819	806	786	757	723	683	640



REPORT NUMBER: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	717	735	747	751	747	735	717	692	662	625	581
-25°	649	665	675	678	675	665	649	626	596	559	514
-27.5°	574	591	601	604	601	591	574	551	521	482	438
-30°	490	507	517	521	517	507	490	466	436	403	365
-32.5°	402	416	425	428	425	416	402	382	356	329	299
-35°	321	333	339	342	339	333	321	306	286	264	241
-37.5°	253	262	267	269	267	262	253	241	225	207	190
-40°	195	201	205	206	205	201	195	186	174	161	147
-42.5°	147	152	155	156	155	152	147	141	132	122	112
-45°	110	113	115	116	115	113	110	105	99	91	83
-47.5°	80	82	84	84	84	82	80	77	73	68	62
-50°	58	60	61	61	61	60	58	56	53	50	46
-52.5°	42	43	43	44	43	43	42	40	38	36	33
-55°	29	30	30	31	30	30	29	28	27	25	23
-57.5°	20	20	21	21	21	20	20	19	18	17	16
-60°	14	14	14	14	14	14	14	13	13	12	12
-62.5°	9	10	10	10	10	10	9	9	9	9	8
-65°	6	6	7	7	7	6	6	6	6	5	5
-67.5°	3	3	3	3	3	3	3	3	3	3	3
-70°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-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: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV

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	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	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	0	0	0	0	0	0	0	0	0	0
70°	2	2	1	1	1	1	1	0	0	0	0
67.5°	3	3	2	2	2	2	1	1	1	1	0
65°	4	4	3	3	3	3	2	2	2	1	1
62.5°	8	7	6	6	5	4	3	3	3	2	2
60°	11	10	9	8	7	7	6	4	3	3	3
57.5°	15	14	13	11	10	9	8	7	6	4	3
55°	21	19	18	16	14	12	11	9	8	7	5
52.5°	30	28	25	21	19	17	14	12	10	9	7
50°	42	38	34	30	26	22	19	16	13	11	9
47.5°	57	52	45	40	35	30	25	20	17	14	12
45°	76	68	60	53	46	39	33	27	22	18	14
42.5°	101	90	79	69	59	50	42	35	28	22	18
40°	133	117	103	88	75	63	53	43	35	28	22
37.5°	170	150	131	112	95	79	66	54	43	35	27
35°	215	190	165	142	119	99	81	66	53	42	33
32.5°	267	236	203	175	147	121	99	79	63	50	39
30°	326	287	249	211	178	147	119	95	75	59	46
27.5°	392	343	298	253	211	175	142	112	88	69	53
25°	461	406	349	298	249	203	165	131	103	79	60
22.5°	529	469	406	343	287	236	190	150	117	90	68
20°	589	529	461	392	326	267	215	170	133	101	76
17.5°	640	581	514	438	365	299	241	190	147	112	83
15°	683	625	559	482	403	329	264	207	161	122	91
12.5°	723	662	596	521	436	356	286	225	174	132	99
10°	757	692	626	551	466	382	306	241	186	141	105
7.5°	786	717	649	574	490	402	321	253	195	147	110
5°	806	735	665	591	507	416	333	262	201	152	113
2.5°	819	747	675	601	517	425	339	267	205	155	115
0°	823	751	678	604	521	428	342	269	206	156	116
-2.5°	819	747	675	601	517	425	339	267	205	155	115
-5°	806	735	665	591	507	416	333	262	201	152	113
-7.5°	786	717	649	574	490	402	321	253	195	147	110
-10°	757	692	626	551	466	382	306	241	186	141	105
-12.5°	723	662	596	521	436	356	286	225	174	132	99
-15°	683	625	559	482	403	329	264	207	161	122	91
-17.5°	640	581	514	438	365	299	241	190	147	112	83
-20°	589	529	461	392	326	267	215	170	133	101	76



REPORT NUMBER: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	529	469	406	343	287	236	190	150	117	90	68
-25°	461	406	349	298	249	203	165	131	103	79	60
-27.5°	392	343	298	253	211	175	142	112	88	69	53
-30°	326	287	249	211	178	147	119	95	75	59	46
-32.5°	267	236	203	175	147	121	99	79	63	50	39
-35°	215	190	165	142	119	99	81	66	53	42	33
-37.5°	170	150	131	112	95	79	66	54	43	35	27
-40°	133	117	103	88	75	63	53	43	35	28	22
-42.5°	101	90	79	69	59	50	42	35	28	22	18
-45°	76	68	60	53	46	39	33	27	22	18	14
-47.5°	57	52	45	40	35	30	25	20	17	14	12
-50°	42	38	34	30	26	22	19	16	13	11	9
-52.5°	30	28	25	21	19	17	14	12	10	9	7
-55°	21	19	18	16	14	12	11	9	8	7	5
-57.5°	15	14	13	11	10	9	8	7	6	4	3
-60°	11	10	9	8	7	7	6	4	3	3	3
-62.5°	8	7	6	6	5	4	3	3	3	2	2
-65°	4	4	3	3	3	3	2	2	2	1	1
-67.5°	3	3	2	2	2	2	1	1	1	1	0
-70°	2	2	1	1	1	1	1	0	0	0	0
-72.5°	1	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-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: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV

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°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	1	0	0	0	0	0	0	0	0	0	0
62.5°	1	1	1	0	0	0	0	0	0	0	0
60°	2	2	1	1	0	0	0	0	0	0	0
57.5°	3	2	2	1	1	0	0	0	0	0	0
55°	4	3	2	2	1	1	0	0	0	0	0
52.5°	6	4	3	2	2	1	1	0	0	0	0
50°	8	6	4	3	2	2	1	0	0	0	0
47.5°	9	8	6	4	3	2	1	1	0	0	0
45°	12	9	7	5	3	3	2	1	0	0	0
42.5°	14	11	9	7	4	3	2	1	1	0	0
40°	17	13	10	8	6	3	3	2	1	0	0
37.5°	20	16	12	9	7	4	3	2	1	0	0
35°	25	19	14	11	8	6	3	2	1	1	0
32.5°	30	22	17	12	9	7	4	3	2	1	0
30°	35	26	19	14	10	7	5	3	2	1	0
27.5°	40	30	21	16	11	8	6	3	2	1	0
25°	45	34	25	18	13	9	6	3	2	1	0
22.5°	52	38	28	19	14	10	7	4	3	2	0
20°	57	42	30	21	15	11	8	4	3	2	1
17.5°	62	46	33	23	16	12	8	5	3	2	1
15°	68	50	36	25	17	12	9	5	3	2	1
12.5°	73	53	38	27	18	13	9	6	3	2	1
10°	77	56	40	28	19	13	9	6	3	2	1
7.5°	80	58	42	29	20	14	9	6	3	2	1
5°	82	60	43	30	20	14	10	6	3	2	1
2.5°	84	61	43	30	21	14	10	7	3	2	1
0°	84	61	44	31	21	14	10	7	3	2	1
-2.5°	84	61	43	30	21	14	10	7	3	2	1
-5°	82	60	43	30	20	14	10	6	3	2	1
-7.5°	80	58	42	29	20	14	9	6	3	2	1
-10°	77	56	40	28	19	13	9	6	3	2	1
-12.5°	73	53	38	27	18	13	9	6	3	2	1
-15°	68	50	36	25	17	12	9	5	3	2	1
-17.5°	62	46	33	23	16	12	8	5	3	2	1
-20°	57	42	30	21	15	11	8	4	3	2	1



REPORT NUMBER: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	52	38	28	19	14	10	7	4	3	2	0
-25°	45	34	25	18	13	9	6	3	2	1	0
-27.5°	40	30	21	16	11	8	6	3	2	1	0
-30°	35	26	19	14	10	7	5	3	2	1	0
-32.5°	30	22	17	12	9	7	4	3	2	1	0
-35°	25	19	14	11	8	6	3	2	1	1	0
-37.5°	20	16	12	9	7	4	3	2	1	0	0
-40°	17	13	10	8	6	3	3	2	1	0	0
-42.5°	14	11	9	7	4	3	2	1	1	0	0
-45°	12	9	7	5	3	3	2	1	0	0	0
-47.5°	9	8	6	4	3	2	1	1	0	0	0
-50°	8	6	4	3	2	2	1	0	0	0	0
-52.5°	6	4	3	2	2	1	1	0	0	0	0
-55°	4	3	2	2	1	1	0	0	0	0	0
-57.5°	3	2	2	1	1	0	0	0	0	0	0
-60°	2	2	1	1	0	0	0	0	0	0	0
-62.5°	1	1	1	0	0	0	0	0	0	0	0
-65°	1	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-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: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV

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°	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0
0°	0	0	0	0	0	0	0
-2.5°	0	0	0	0	0	0	0
-5°	0	0	0	0	0	0	0
-7.5°	0	0	0	0	0	0	0
-10°	0	0	0	0	0	0	0
-12.5°	0	0	0	0	0	0	0
-15°	0	0	0	0	0	0	0
-17.5°	0	0	0	0	0	0	0
-20°	0	0	0	0	0	0	0



REPORT NUMBER: P220428 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	0	0	0	0	0	0	0
-25°	0	0	0	0	0	0	0
-27.5°	0	0	0	0	0	0	0
-30°	0	0	0	0	0	0	0
-32.5°	0	0	0	0	0	0	0
-35°	0	0	0	0	0	0	0
-37.5°	0	0	0	0	0	0	0
-40°	0	0	0	0	0	0	0
-42.5°	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0
-75°	0	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)