

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: INVUE

Report Number: P95367

Luminaire Tested: **VFS-K-B40-3-LED-E1-MSR**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P95367
REPORT SCALED FROM IESNA LM79-08 TEST DATA (P22803)
Test Lab: INNOVATION CENTER
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VFS-K-B40-3-LED-E1-MSR
Description: ARCHITECTURAL FLOOD LUMINAIRE
MEDIUM SYMMETRIC ROUND DISTRIBUTION
WITH 40 LED'S, 350mA DRIVE CURRENT
Light Source: -
Ballast/Driver: -

Summary

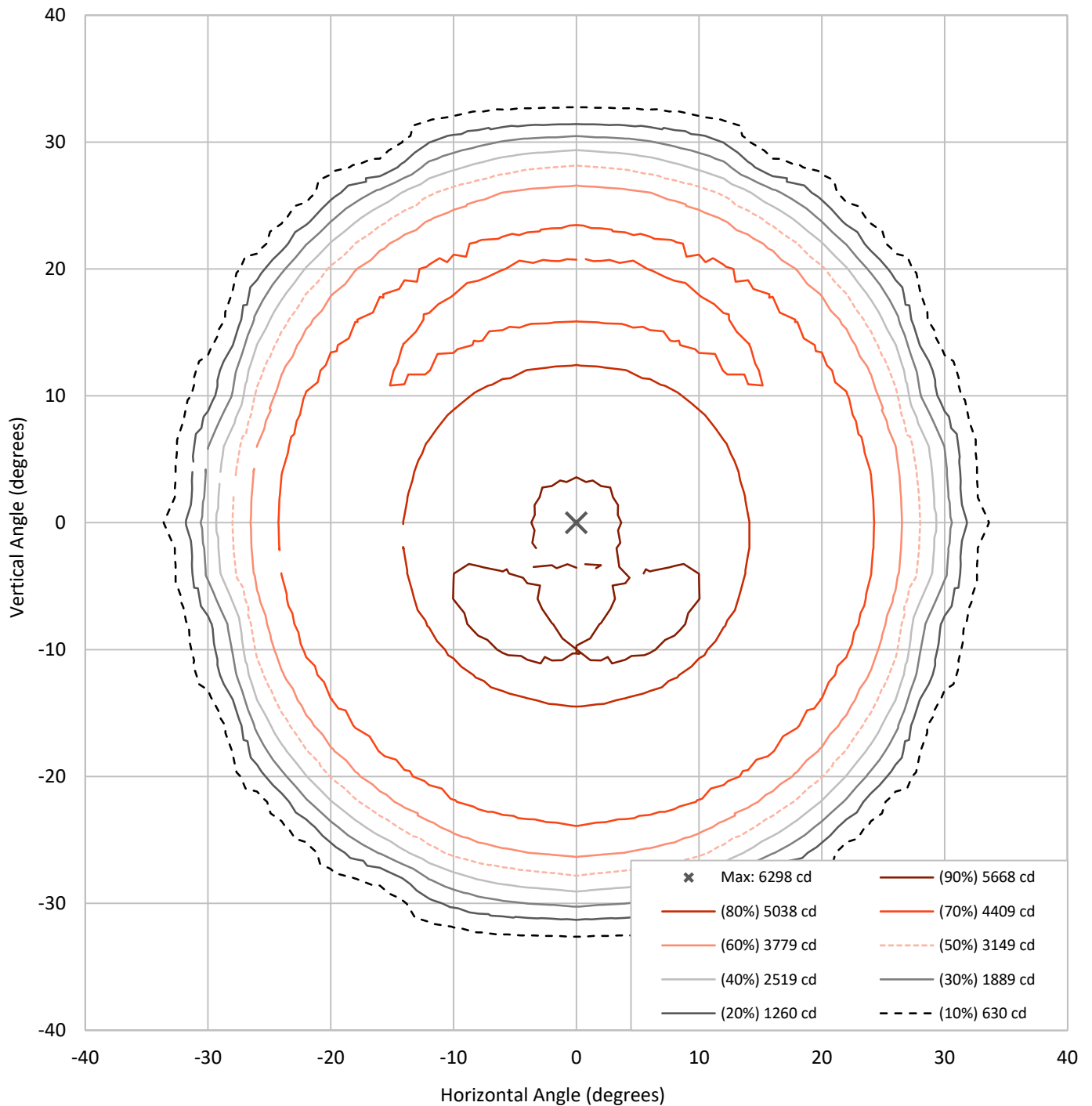
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	4064.8 lumens	Max Intensity:	6298 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	90.3 lumens/watt		
Luminous Opening:	(L: 0.83 ' x W: 0 ' x H: 0.5 ')		
Beam Angle (50%):	56°H x 56°V	Field Angle (10%):	66.2°H x 64.7°V
Beam Lumens:	3416.4 lumens	Field Lumens:	3895.5 lumens
Beam Efficiency:	84.0%	Field Efficiency:	95.8%
Input Watts (W):	45		
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: P95367

CATALOG NUMBER: VFS-K-B40-3-LED-E1-MSR

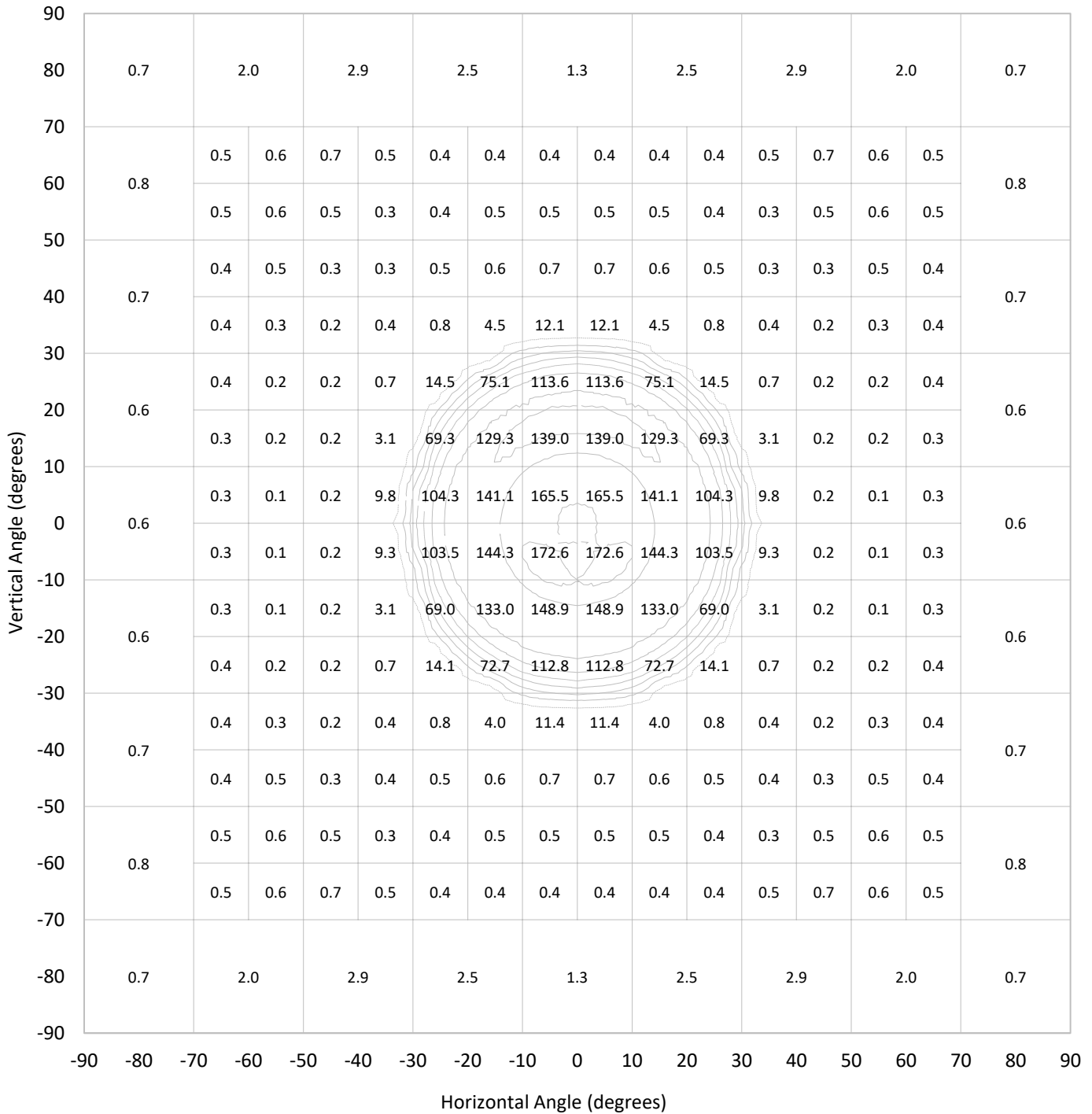
Iso-Candela Plot





REPORT NUMBER: P95367
 CATALOG NUMBER: VFS-K-B40-3-LED-E1-MSR

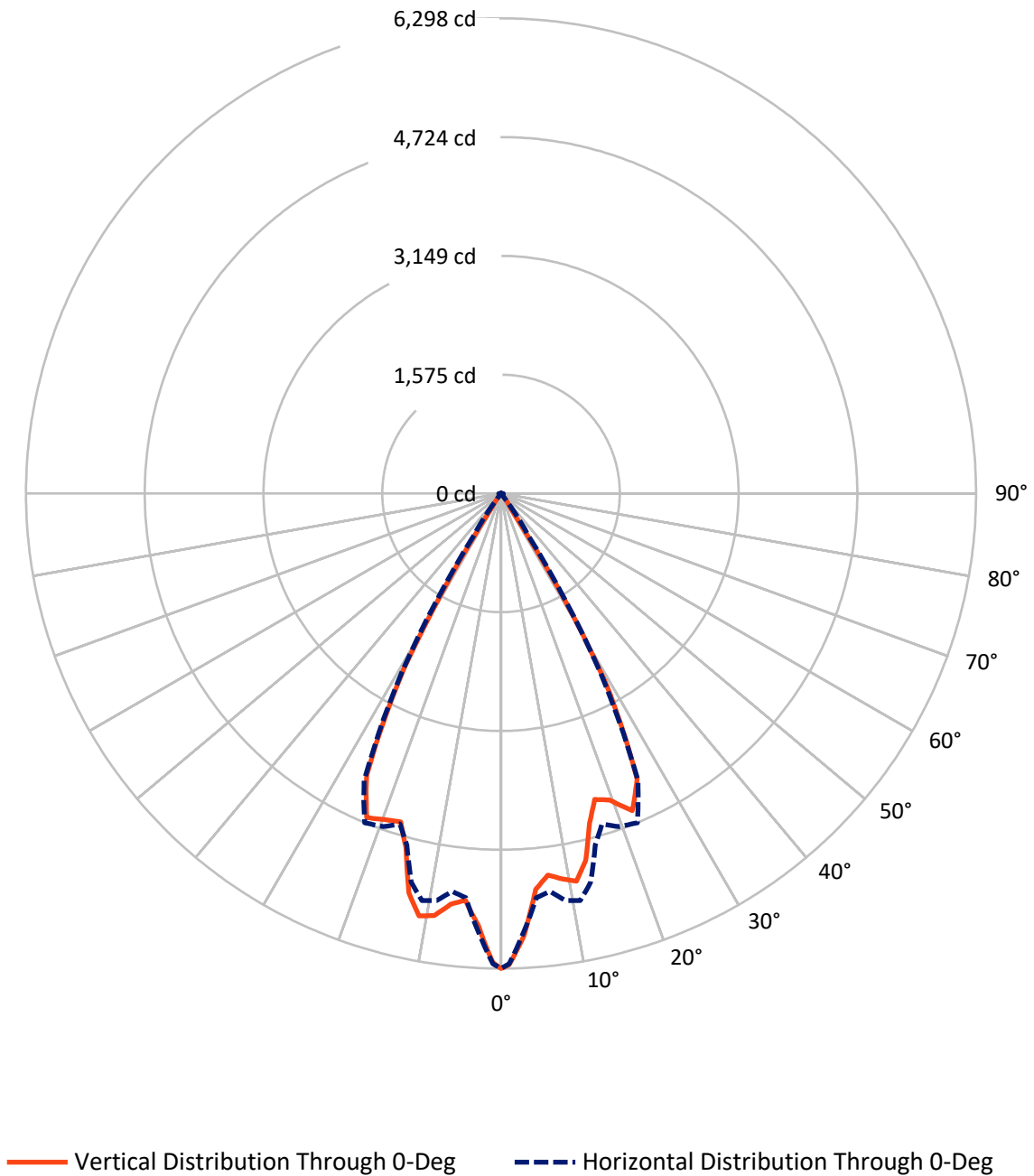
Lumen Table



REPORT NUMBER: P95367

CATALOG NUMBER: VFS-K-B40-3-LED-E1-MSR

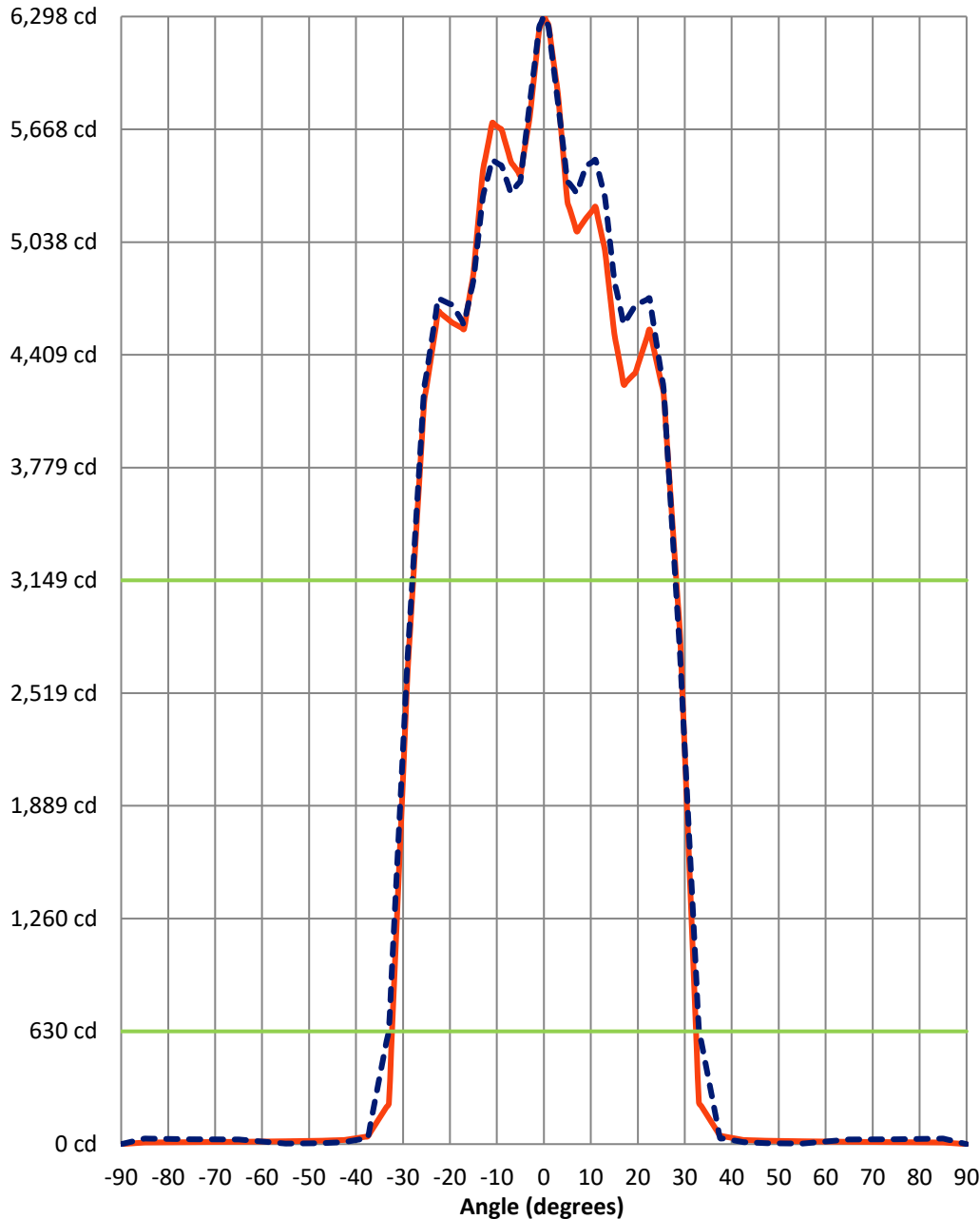
Luminous Intensity Polar Plot



REPORT NUMBER: P95367

CATALOG NUMBER: VFS-K-B40-3-LED-E1-MSR

Luminous Intensity Plot



Beam:
 H Angle: 56°
 V Angle: 56°
 Lumens: 3416.4
 Efficiency: 84.0%

Field:
 H Angle: 66.2°
 V Angle: 64.7°
 Lumens: 3895.5
 Efficiency: 95.8%

Spill:
 Lumens: 169.4
 Efficiency: 4.2%

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



REPORT NUMBER: P95367

CATALOG NUMBER: VFS-K-B40-3-LED-E1-MSR

FIELD
BEAM

CANDELA DISTRIBUTION:

	0°	1°	3°	5°	7°	9°	11°	13°	15°	17°	19.5°
90°	0	0	0	0	0	0	0	0	0	0	0
85°	9	9	13	12	9	23	34	35	35	35	35
75°	11	11	11	11	12	13	14	13	12	11	10
65°	13	13	13	13	13	14	14	15	15	15	15
55°	16	16	16	16	15	16	16	16	16	16	16
47.5°	19	19	19	19	19	19	18	18	18	18	17
42.5°	23	23	23	23	23	22	22	21	21	20	19
37.5°	47	46	46	46	43	41	38	34	31	28	25
33°	234	233	233	237	243	256	182	136	116	82	50
29°	2841	2787	2721	2612	2362	2074	1779	1430	258	253	206
25.5°	4191	4167	4134	4067	3940	3757	3499	3127	2620	2070	1381
22.5°	4550	4547	4529	4504	4469	4393	4260	4061	3748	3297	2558
19.5°	4310	4323	4336	4366	4429	4496	4518	4492	4381	4122	3579
17°	4242	4240	4246	4255	4260	4301	4392	4493	4537	4452	4114
15°	4527	4505	4474	4410	4326	4282	4287	4381	4502	4552	4376
13°	4992	4966	4928	4815	4640	4466	4336	4312	4418	4542	4537
11°	5235	5228	5238	5199	5056	4839	4578	4386	4370	4493	4606
9°	5172	5185	5294	5408	5375	5174	4889	4588	4413	4462	4608
7°	5097	5114	5257	5524	5688	5465	5171	4805	4512	4459	4596
5°	5266	5271	5302	5485	5691	5661	5408	5018	4624	4484	4595
3°	5865	5787	5525	5370	5429	5546	5493	5174	4726	4522	4602
1°	6248	6196	5788	5365	5318	5467	5488	5262	4806	4571	4678
0°	6298	6238	5815	5381	5313	5464	5497	5289	4825	4581	4686
-1°	6222	6165	5786	5402	5352	5497	5517	5309	4827	4581	4659
-3°	5738	5769	5600	5512	5562	5646	5583	5292	4790	4586	4651
-5°	5413	5430	5558	5783	5892	5829	5608	5161	4712	4599	4677
-7°	5486	5502	5698	5987	6096	5833	5426	4961	4644	4606	4702
-9°	5666	5683	5810	5928	5845	5504	5134	4752	4596	4616	4711
-11°	5704	5728	5739	5666	5441	5152	4818	4594	4568	4660	4691
-13°	5434	5457	5362	5187	5003	4760	4580	4538	4615	4686	4599
-15°	4863	4816	4766	4685	4619	4541	4532	4600	4671	4645	4393
-17°	4552	4553	4552	4544	4536	4557	4614	4661	4633	4479	4098
-19.5°	4588	4598	4609	4629	4646	4663	4639	4549	4366	4079	3515
-22.5°	4651	4644	4633	4602	4548	4433	4248	3991	3652	3205	2481
-25.5°	4142	4095	4051	3948	3866	3688	3381	2962	2474	1949	1283
-29°	2646	2561	2502	2394	2220	1974	1625	1236	252	251	186
-33°	228	226	228	234	242	230	142	114	101	71	47
-37.5°	43	42	42	43	41	39	36	33	30	28	25
-42.5°	23	23	23	23	23	22	22	21	21	20	19
-47.5°	19	19	19	19	19	19	19	18	18	18	18
-55°	16	16	15	16	15	16	16	16	16	16	16
-65°	13	13	13	13	13	13	14	15	15	15	15
-75°	11	11	11	11	12	13	14	13	12	11	10
-85°	9	10	13	12	9	23	34	36	36	35	36
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P95367

CATALOG NUMBER: VFS-K-B40-3-LED-E1-MSR

CANDELA DISTRIBUTION (continued):

	22.5°	25.5°	29°	33°	37.5°	42.5°	47.5°	55°	65°	75°	85°
90°	0	0	0	0	0	0	0	0	0	0	0
85°	37	38	38	38	37	37	37	38	40	41	42
75°	16	24	34	35	35	34	36	38	37	38	41
65°	13	12	11	14	23	34	35	35	38	37	40
55°	16	15	14	12	11	16	26	35	34	38	39
47.5°	17	17	16	14	12	11	17	33	35	38	38
42.5°	19	18	17	15	13	11	12	27	35	37	38
37.5°	22	20	18	16	13	11	9	22	34	36	37
33°	34	27	21	17	14	11	9	18	33	35	36
29°	100	49	28	20	15	11	9	15	32	33	35
25.5°	230	130	55	25	16	11	8	12	31	32	34
22.5°	1504	218	123	33	18	11	8	10	31	31	34
19.5°	2575	1358	183	48	20	11	7	8	30	30	33
17°	3310	2081	207	73	21	11	7	7	29	30	33
15°	3752	2626	226	113	23	10	6	6	28	29	32
13°	4086	3086	975	158	25	10	6	5	27	29	32
11°	4325	3450	1168	185	27	10	6	4	27	28	32
9°	4482	3734	1339	219	29	10	5	3	27	28	31
7°	4591	3947	2323	243	31	10	5	3	26	28	31
5°	4664	4082	2521	248	32	11	5	3	26	28	31
3°	4700	4168	2652	251	34	11	5	3	26	28	31
1°	4720	4212	2720	252	34	11	5	3	26	27	31
0°	4724	4216	2727	642	34	11	5	3	26	27	31
-1°	4726	4211	2719	252	34	11	5	3	26	27	31
-3°	4720	4167	2654	251	34	11	5	3	26	28	31
-5°	4699	4070	2518	248	33	11	5	3	26	28	31
-7°	4640	3938	1475	243	31	10	5	3	26	28	31
-9°	4515	3735	1332	215	29	10	5	3	26	28	31
-11°	4325	3445	1164	185	26	10	6	4	27	28	31
-13°	4071	3070	972	160	24	10	6	4	27	28	32
-15°	3721	2600	225	113	22	10	6	5	28	29	32
-17°	3275	2057	206	73	21	10	6	6	28	29	32
-19.5°	2503	1338	181	46	19	10	7	8	29	30	33
-22.5°	1460	216	120	31	17	11	7	10	30	31	33
-25.5°	226	126	53	24	16	11	8	12	31	32	34
-29°	92	46	28	20	15	11	9	15	32	33	34
-33°	33	26	21	17	14	11	9	18	33	34	35
-37.5°	22	20	18	16	14	11	10	22	34	36	36
-42.5°	19	18	17	15	13	11	12	28	35	37	37
-47.5°	17	17	16	15	13	11	17	33	35	38	38
-55°	16	16	14	13	11	17	27	35	35	38	39
-65°	14	12	11	14	24	34	36	35	38	37	40
-75°	16	25	34	35	36	35	36	39	38	38	41
-85°	38	39	39	38	38	37	38	39	40	41	42
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P95367

CATALOG NUMBER: VFS-K-B40-3-LED-E1-MSR

CANDELA DISTRIBUTION (continued):

	90°
90°	0
85°	0
75°	0
65°	0
55°	0
47.5°	0
42.5°	0
37.5°	0
33°	0
29°	0
25.5°	0
22.5°	0
19.5°	0
17°	0
15°	0
13°	0
11°	0
9°	0
7°	0
5°	0
3°	0
1°	0
0°	0
-1°	0
-3°	0
-5°	0
-7°	0
-9°	0
-11°	0
-13°	0
-15°	0
-17°	0
-19.5°	0
-22.5°	0
-25.5°	0
-29°	0
-33°	0
-37.5°	0
-42.5°	0
-47.5°	0
-55°	0
-65°	0
-75°	0
-85°	0
-90°	0

(END OF REPORT)