

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: E395253

Luminaire Tested: **H1499-1420**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: E395253
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H1499-1420
Description: HALO RECESSED INC - LV, 4" ADJUSTABLE SLOT, 0 DEG TILT
Light Source: 50MR16FL, 900 LUMENS
Ballast/Driver: -

Summary

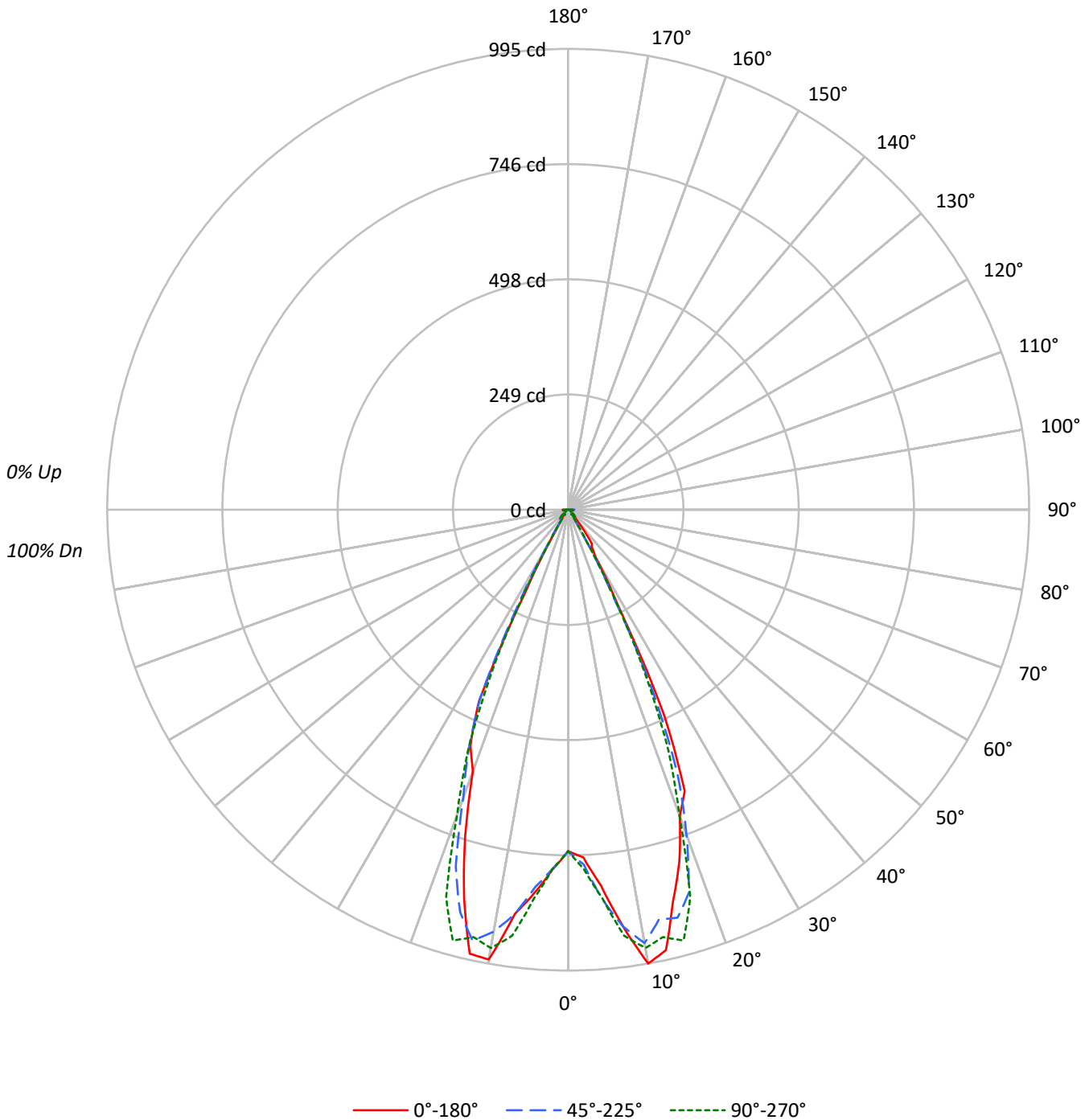
Lumens per Lamp: 900 (1 lamp)
Luminaire Lumens: 577.8 lumens
Efficiency: 64.2%
Efficacy: 9.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.88 / 0.73
Luminous Opening: Rectangular (W 0.19' x L: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 60
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



TEST NUMBER: E395253
CATALOG NUMBER: H1499-1420

Luminous Intensity Polar Plot





TEST NUMBER: E395253
 CATALOG NUMBER: H1499-1420

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	83.7	14.5	9.3
10°-20°	244.2	42.3	27.1
20°-30°	178.7	30.9	19.9
30°-40°	22.3	3.9	2.5
40°-50°	15.6	2.7	1.7
50°-60°	7.6	1.3	0.8
60°-70°	6.7	1.2	0.7
70°-80°	7.2	1.3	0.8
80°-90°	11.7	2.0	1.3
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	506.5	87.7	56.3
0°-40°	528.9	91.5	58.8
0°-60°	552.1	95.6	61.3
0°-90°	577.8	100.0	64.2
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	577.8	100.0	64.2

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	737	737	737	737	737	
5°	815	844	842	818	830	84
15°	874	912	963	900	868	243
25°	491	431	402	449	456	198
35°	89	20	13	19	21	47
45°	18	24	22	23	20	15
55°	9	8	6	8	8	8
65°	7	7	6	7	7	7
75°	9	7	6	6	7	9
85°	8	9	11	12	12	10
90°	9	13	14	13	12	



TEST NUMBER: E395253
 CATALOG NUMBER: H1499-1420

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	737	737	737	737	737	737	737	737	737	737	737
2.5°	752	756	755	759	770	767	767	776	780	769	777
5°	815	816	830	835	841	844	837	850	844	841	842
7.5°	908	907	913	925	919	908	902	924	930	924	928
10°	995	1002	1013	1014	982	950	924	940	948	949	961
12.5°	974	979	1005	994	949	906	902	909	925	932	945
15°	874	887	921	925	917	912	922	931	939	951	963
17.5°	798	799	793	822	839	867	870	861	854	860	876
20°	704	694	693	715	734	747	731	708	697	690	701
22.5°	657	640	615	623	606	617	590	573	565	556	568
25°	491	484	453	442	426	431	394	384	370	380	402
27.5°	230	242	237	229	216	203	178	174	169	192	218
30°	118	126	111	112	98	78	72	74	77	79	83
32.5°	94	95	90	69	46	35	31	31	33	34	31
35°	89	86	72	44	24	20	17	18	14	14	13
37.5°	52	49	42	26	20	16	16	20	13	13	11
40°	27	38	38	27	27	17	20	22	17	23	18
42.5°	22	37	35	29	32	24	23	22	22	26	24
45°	18	30	28	26	29	24	21	17	20	23	22
47.5°	16	21	20	20	21	20	17	14	17	18	14
50°	14	14	13	14	14	12	12	11	12	12	9
52.5°	9	9	9	9	9	8	8	8	8	8	6
55°	9	9	8	8	8	8	8	8	8	8	6
57.5°	8	8	8	8	8	8	8	8	8	8	7
60°	8	8	8	8	8	8	8	8	8	8	7
65°	7	7	7	7	7	7	7	7	7	7	6
70°	6	5	5	5	5	5	5	5	5	5	5
75°	9	5	7	7	6	7	7	8	7	6	6
80°	10	9	10	8	8	7	9	10	9	9	8
85°	8	12	12	10	12	9	11	11	11	12	11
90°	9	14	12	13	14	13	13	10	13	14	14



TEST NUMBER: E395253
 CATALOG NUMBER: H1499-1420

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	737	737	737	737	737	737	737	737	737	737
2.5°	770	771	773	776	776	780	786	778	777	778
5°	847	837	833	829	818	827	830	836	834	830
7.5°	927	921	912	893	880	864	863	874	881	880
10°	962	949	929	917	925	940	940	961	980	986
12.5°	949	949	928	927	953	958	939	943	974	982
15°	963	941	912	887	900	906	873	843	859	868
17.5°	877	859	839	822	807	801	765	729	731	739
20°	703	715	705	688	662	635	616	587	593	601
22.5°	576	586	577	580	562	540	525	529	540	551
25°	411	442	447	449	449	434	431	438	446	456
27.5°	230	259	292	281	250	235	213	219	201	194
30°	83	97	116	108	97	89	86	85	83	76
32.5°	32	32	38	39	40	42	39	37	40	36
35°	14	15	17	19	19	20	20	19	21	21
37.5°	12	12	11	15	18	17	12	13	18	19
40°	17	16	13	20	25	23	12	15	24	24
42.5°	21	20	20	23	27	25	17	22	26	26
45°	20	18	19	20	23	22	18	21	21	20
47.5°	17	16	17	16	17	16	17	17	17	17
50°	12	12	12	12	11	11	12	12	12	12
52.5°	8	8	8	8	8	8	8	8	8	8
55°	8	8	8	8	8	8	8	8	8	8
57.5°	8	8	8	8	8	8	8	8	8	8
60°	8	8	8	8	8	8	8	8	8	8
65°	7	7	7	7	7	7	7	7	7	7
70°	5	5	5	5	4	5	5	5	5	5
75°	7	7	7	7	6	6	7	7	7	7
80°	9	9	8	9	10	9	8	8	9	10
85°	11	10	10	11	12	12	9	10	11	12
90°	13	12	12	12	13	13	12	12	13	12

(END OF REPORT)