

Scaled data based on original data using
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge or
Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: E395834

Luminaire Tested: **H600-1625**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: E395834
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H600-1625
Description: HALO RECESSED INC. WALL WASH, LOW S.S.
Light Source: 150A21, 2790 LUMENS
Ballast/Driver: -

Summary

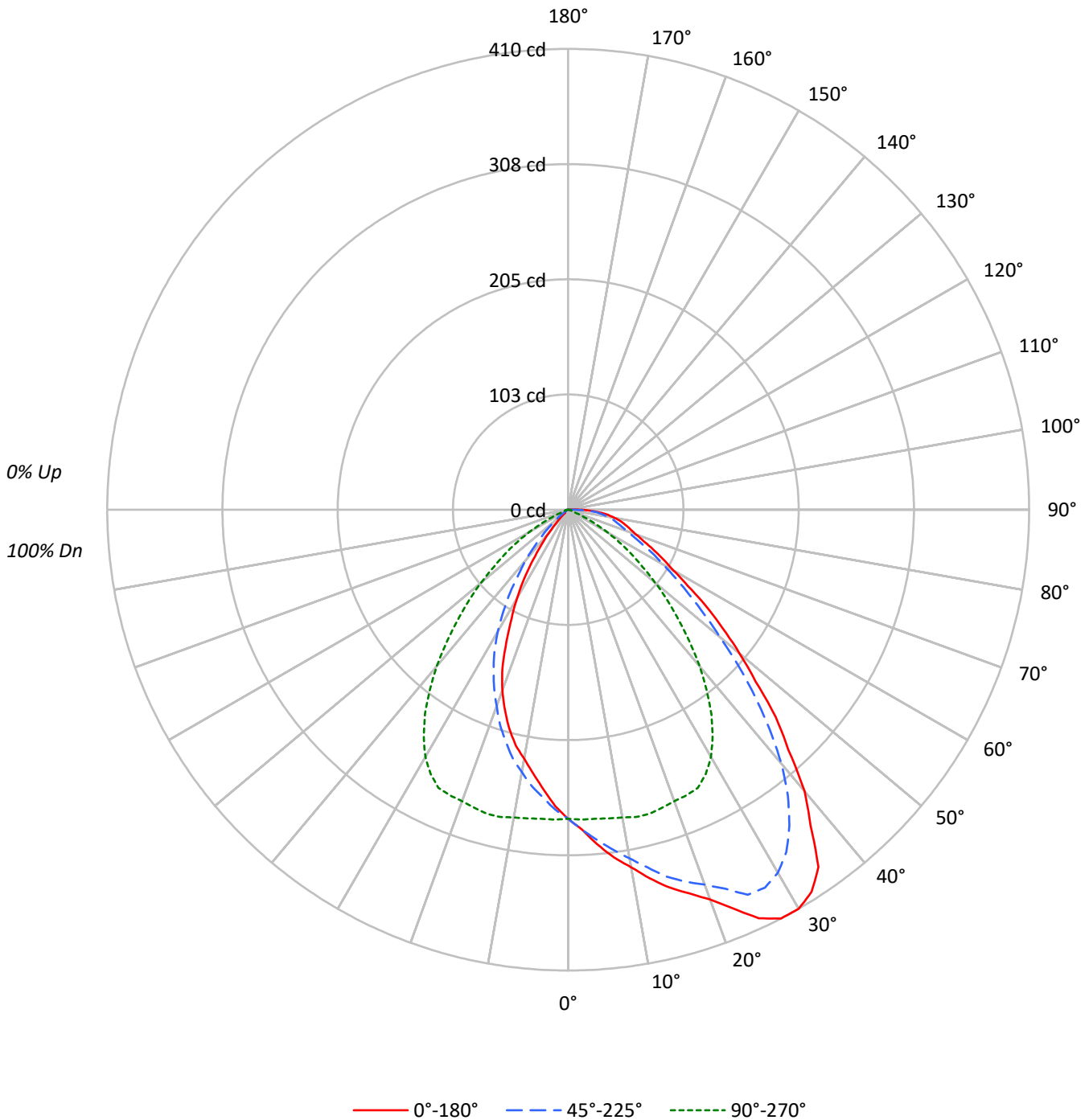
Lumens per Lamp: 2790 (1 lamp)
Luminaire Lumens: 598.1 lumens
Efficiency: 21.4%
Efficacy: 4.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.27
Luminous Opening: (L: 0 ' x W: -0.37 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 150
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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	26	26	26	26	25	25	25	25	24	24	24	23	23	23	22	22	22	21
1	24	23	22	21	23	22	22	21	21	21	20	21	20	20	20	19	19	19
2	22	20	19	18	21	20	19	18	19	18	17	19	18	17	18	17	17	16
3	20	18	17	16	20	18	17	15	17	16	15	17	16	15	16	15	15	14
4	19	16	15	14	18	16	15	13	16	14	13	15	14	13	15	14	13	13
5	17	15	13	12	17	15	13	12	14	13	12	14	13	12	13	12	12	11
6	16	14	12	11	16	13	12	11	13	12	11	13	11	10	12	11	10	10
7	15	12	11	10	15	12	11	10	12	11	9	12	10	9	11	10	9	9
8	14	11	10	9	14	11	10	9	11	10	9	11	9	9	11	9	8	8
9	13	11	9	8	13	10	9	8	10	9	8	10	9	8	10	9	8	7
10	12	10	8	7	12	10	8	7	10	8	7	9	8	7	9	8	7	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	Luminous shape not found,		
5°	reference photometric report, or contact		
10°	the photometric lab for calculations.		
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	26.4	4.4	0.9
10°-20°	78.2	13.1	2.8
20°-30°	122.7	20.5	4.4
30°-40°	135.9	22.7	4.9
40°-50°	104.5	17.5	3.7
50°-60°	63.2	10.6	2.3
60°-70°	34.3	5.7	1.2
70°-80°	21.3	3.6	0.8
80°-90°	10.9	1.8	0.4
90°-100°	0.7	0.1	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°	227.3	38.0	8.1
0°-40°	363.2	60.7	13.0
0°-60°	530.9	88.8	19.0
0°-90°	597.4	99.9	21.4
90°-120°	0.7	0.1	0.0
90°-150°	0.7	0.1	0.0
90°-180°	1.0	0.2	0.0
0°-180°	598.1	100.0	21.4

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	275	275	275	275	275	
5°	299	295	276	257	250	29
15°	348	338	280	214	202	99
25°	401	378	273	157	130	184
35°	388	343	222	90	54	237
45°	261	235	139	33	5	200
55°	150	131	68	5	3	134
65°	83	73	16	2	2	83
75°	53	45	3	1	1	56
85°	28	25	1	0	0	26
90°	11	3	0	0	0	7
95°	0	0	0	0	0	2
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	22.5°	25°	35°	45°	55°	65°	67.5°	75°
0°	275	275	275	275	275	275	275	275	275	275	275
2.5°	285	288	286	286	286	285	285	283	281	281	279
5°	299	301	299	300	299	296	295	291	288	287	283
7.5°	312	312	312	311	310	307	305	300	295	293	288
10°	323	325	324	323	322	319	315	310	302	301	294
12.5°	336	338	336	335	334	331	326	319	310	308	299
15°	348	351	348	347	345	342	338	329	318	315	304
17.5°	358	361	357	357	356	352	347	336	324	321	308
20°	369	372	368	367	366	362	355	345	331	327	312
22.5°	384	386	381	379	378	373	365	355	339	335	317
25°	401	403	396	394	392	383	378	367	347	342	321
27.5°	410	412	405	400	397	389	379	368	345	339	315
30°	410	412	404	398	395	384	373	359	335	328	305
32.5°	403	405	396	390	388	375	361	345	321	315	291
35°	388	386	382	376	372	360	343	325	302	297	272
37.5°	354	360	354	354	350	339	321	301	280	275	250
40°	327	328	320	322	320	313	295	275	252	250	227
42.5°	290	293	290	288	286	279	265	245	225	221	200
45°	261	259	259	253	254	248	235	216	199	191	176
47.5°	226	229	225	222	221	213	205	186	171	165	151
50°	199	198	195	193	191	185	176	161	146	141	127
52.5°	173	172	171	166	168	160	152	139	124	121	108
55°	150	148	148	146	145	141	131	119	103	100	90
57.5°	126	126	124	125	122	120	113	100	85	82	72
60°	108	108	106	106	105	102	97	85	69	66	56
62.5°	95	96	96	93	94	90	85	76	62	57	46
65°	83	84	83	82	81	78	73	65	52	49	37
67.5°	72	73	71	71	70	67	63	56	45	41	30
70°	64	64	63	62	62	60	55	48	39	36	26
72.5°	58	58	58	57	56	54	50	43	35	32	24
75°	53	53	52	52	51	49	45	39	31	29	21
77.5°	48	48	47	47	47	44	41	36	28	26	19
80°	42	42	42	41	41	39	36	31	25	23	16
82.5°	36	36	35	35	35	32	30	26	20	19	13
85°	28	29	28	28	28	26	25	20	16	14	10
87.5°	20	21	20	19	19	18	17	13	10	9	6
90°	11	12	10	6	6	4	3	3	3	3	2
95°	0	0	0	0	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0	0	0	0	0
105°	0	0	0	0	0	0	0	0	0	0	0
110°	0	0	0	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	22.5°	25°	35°	45°	55°	65°	67.5°	75°
135°	0	0	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	85°	90°	112.5°	135°	157.5°	180°
0°	275	275	275	275	275	275
2.5°	277	276	271	267	265	264
5°	279	276	266	257	251	250
7.5°	281	277	261	248	239	237
10°	284	278	256	237	228	225
12.5°	286	280	249	227	217	215
15°	288	280	241	214	204	202
17.5°	288	278	233	201	190	187
20°	289	276	222	186	175	171
22.5°	290	275	210	172	158	153
25°	290	273	198	157	138	130
27.5°	282	265	185	142	117	109
30°	271	254	173	125	100	91
32.5°	256	239	158	107	82	73
35°	239	222	143	90	63	54
37.5°	219	202	127	72	46	38
40°	197	182	110	59	34	25
42.5°	173	160	94	45	22	14
45°	152	139	78	33	11	5
47.5°	129	120	63	23	5	4
50°	109	101	50	15	4	4
52.5°	93	83	37	9	3	3
55°	77	68	28	5	3	3
57.5°	60	54	19	3	3	3
60°	45	40	12	3	2	2
62.5°	31	27	6	2	2	2
65°	22	16	3	2	2	2
67.5°	14	6	2	2	2	2
70°	11	4	2	2	1	1
72.5°	9	3	2	1	1	1
75°	8	3	1	1	1	1
77.5°	7	2	1	1	1	1
80°	6	2	1	1	1	1
82.5°	5	2	1	1	1	1
85°	4	1	1	0	0	0
87.5°	2	1	0	0	0	0
90°	1	0	0	0	0	0
95°	0	0	0	0	0	0
100°	0	0	0	0	0	0
105°	0	0	0	0	0	0
110°	0	0	0	0	0	0
115°	0	0	0	0	0	0
120°	0	0	0	0	0	0
125°	0	0	0	0	0	0
130°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	85°	90°	112.5°	135°	157.5°	180°
135°	0	0	0	0	0	0
140°	0	0	0	0	0	0
145°	0	0	0	0	0	0
150°	0	0	0	0	0	0
155°	0	0	0	0	0	0
160°	0	0	0	0	0	0
165°	0	0	0	0	0	0
170°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

(END OF REPORT)