

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: E395837

Luminaire Tested: **H600-1625**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: E395837
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: 100A19, 1710 LUMENS
Ballast/Driver: -

Summary

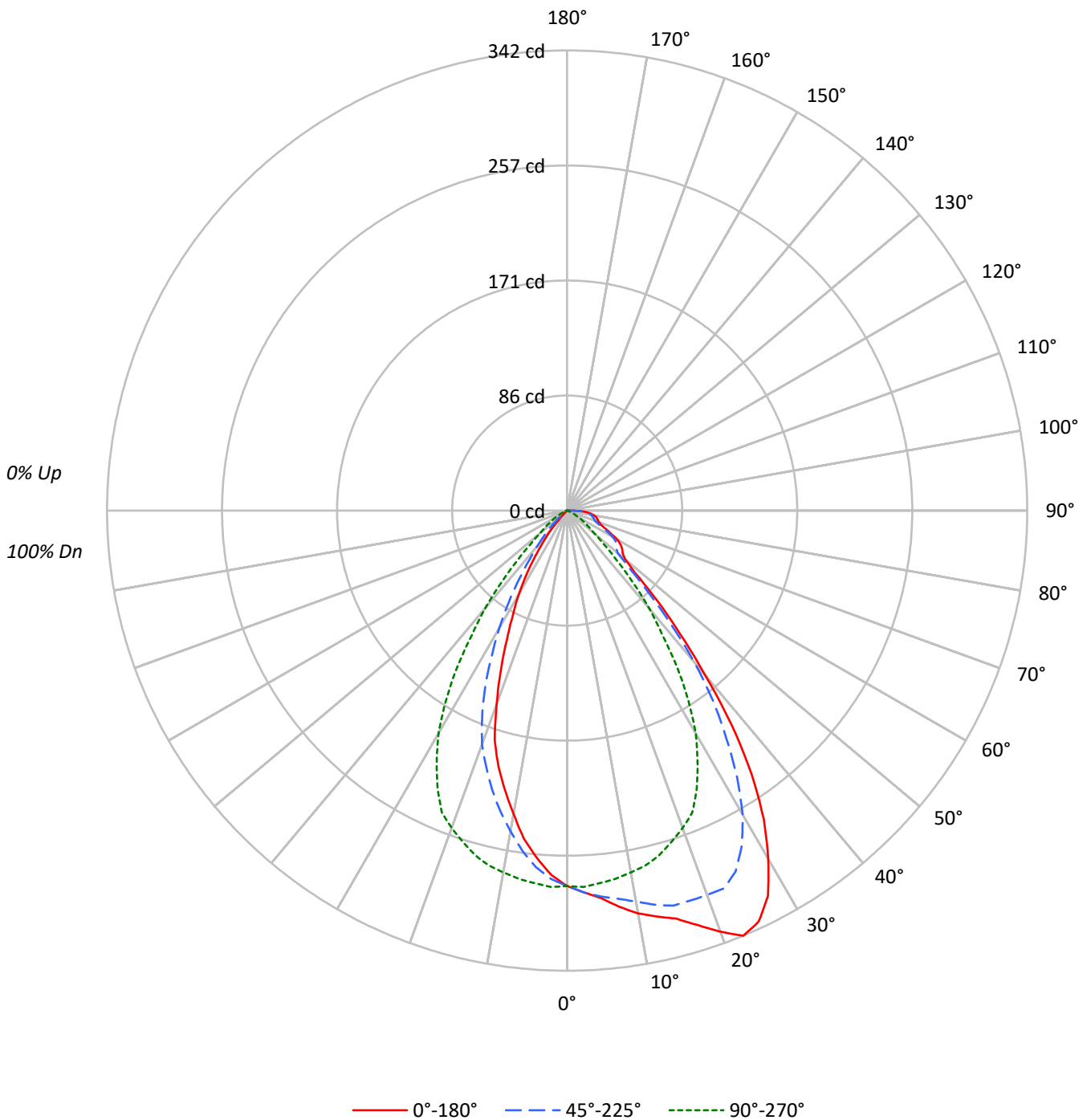
Lumens per Lamp: 1710 (1 lamp)
Luminaire Lumens: 374.9 lumens
Efficiency: 21.9%
Efficacy: 3.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.08 / 1.02
Luminous Opening: (L: 0 ' x W: -0.37 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 100
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				
RC	80					70					50					30				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	26	26	26	26	25	25	25	25	24	24	24	23	23	23	22	22	22	22	22	22
1	24	24	23	22	24	23	23	22	22	22	21	21	21	21	21	20	20	20	20	20
2	23	22	20	19	22	21	20	19	20	20	19	20	19	18	19	19	18	18	18	18
3	21	20	18	17	21	19	18	17	19	18	17	18	17	17	18	17	16	16	16	16
4	20	18	17	15	20	18	16	15	17	16	15	17	16	15	16	16	15	14	14	14
5	19	17	15	14	18	16	15	14	16	15	14	16	15	14	15	14	14	13	13	13
6	18	15	14	13	17	15	14	13	15	14	13	15	13	13	14	13	12	12	12	12
7	17	14	13	12	16	14	13	12	14	13	12	14	12	12	13	12	11	11	11	11
8	16	13	12	11	15	13	12	11	13	12	11	13	12	11	12	11	11	10	10	10
9	15	12	11	10	15	12	11	10	12	11	10	12	11	10	12	11	10	9	9	9
10	14	12	10	9	14	12	10	9	11	10	9	11	10	9	11	10	9	9	9	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
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°	26.2	7.0	1.5
10°-20°	73.1	19.5	4.3
20°-30°	101.0	27.0	5.9
30°-40°	85.4	22.8	5.0
40°-50°	40.5	10.8	2.4
50°-60°	20.0	5.3	1.2
60°-70°	13.1	3.5	0.8
70°-80°	9.4	2.5	0.5
80°-90°	5.7	1.5	0.3
90°-100°	0.4	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°	200.3	53.4	11.7
0°-40°	285.7	76.2	16.7
0°-60°	346.3	92.4	20.2
0°-90°	374.5	99.9	21.9
90°-120°	0.4	0.1	0.0
90°-150°	0.4	0.1	0.0
90°-180°	0.0	0.0	0.0
0°-180°	374.9	100.0	21.9

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	279	279	279	279	279	
5°	289	288	278	266	259	28
15°	314	304	265	215	197	90
25°	337	296	228	144	106	152
35°	239	206	143	62	41	146
45°	94	83	52	17	2	75
55°	50	45	16	2	1	44
65°	31	28	4	1	1	32
75°	23	20	1	0	0	24
85°	15	13	1	0	0	13
90°	4	4	0	0	0	3
95°	0	0	0	0	0	1
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°	279	279	279	279	279	279	279	279	279	279	279
2.5°	284	284	284	285	285	284	284	283	282	282	281
5°	289	290	290	291	291	288	288	286	284	283	282
7.5°	297	297	297	296	296	294	291	288	285	284	281
10°	304	304	304	303	302	299	295	291	285	284	281
12.5°	309	310	309	309	308	304	300	294	287	285	280
15°	314	315	314	313	312	308	304	297	288	285	279
17.5°	323	323	320	316	314	309	304	297	286	283	275
20°	333	334	328	324	322	311	304	296	285	282	271
22.5°	342	342	338	332	329	316	304	296	285	280	267
25°	337	338	334	328	326	311	296	285	274	270	253
27.5°	323	325	319	312	312	298	281	269	256	252	235
30°	299	301	299	295	290	277	261	248	232	228	215
32.5°	272	271	270	266	262	250	235	221	204	201	189
35°	239	239	235	233	232	219	206	192	177	174	163
37.5°	201	199	198	193	192	187	178	161	150	146	135
40°	159	162	162	160	156	153	147	134	123	119	109
42.5°	124	124	126	122	122	116	113	105	95	92	87
45°	94	93	93	93	92	86	83	76	70	71	63
47.5°	68	68	67	68	67	66	61	55	49	48	44
50°	56	56	57	56	56	53	49	44	38	36	33
52.5°	52	52	52	52	52	50	46	41	34	32	28
55°	50	50	50	50	50	48	45	39	32	30	25
57.5°	47	47	47	47	47	46	43	38	31	29	23
60°	43	43	43	43	42	42	39	36	29	28	21
62.5°	36	36	36	36	35	35	33	30	25	23	18
65°	31	31	31	30	30	29	28	25	21	20	15
67.5°	27	28	27	27	27	26	24	22	18	17	12
70°	25	25	25	25	25	24	22	20	16	15	11
72.5°	24	24	24	24	23	22	21	19	15	14	10
75°	23	23	23	22	22	22	20	18	14	13	9
77.5°	22	22	22	22	22	21	19	17	13	12	9
80°	20	21	21	20	20	19	18	16	13	12	8
82.5°	18	19	18	18	18	17	16	14	11	10	7
85°	15	15	15	15	15	14	13	11	9	8	6
87.5°	11	11	11	11	10	10	10	8	6	6	4
90°	4	3	4	5	5	4	4	3	2	2	1
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°	279	279	279	279	279	279
2.5°	280	280	277	274	272	271
5°	279	278	272	266	260	259
7.5°	278	276	266	255	248	246
10°	276	273	258	242	233	229
12.5°	273	270	251	229	217	213
15°	270	265	240	215	202	197
17.5°	264	258	227	200	183	179
20°	257	251	212	185	163	153
22.5°	251	243	196	165	139	129
25°	237	228	179	144	116	106
27.5°	218	210	159	121	95	87
30°	196	191	139	101	78	72
32.5°	173	168	120	81	61	56
35°	147	143	100	62	47	41
37.5°	120	116	79	46	33	28
40°	96	95	60	34	23	19
42.5°	76	72	41	25	14	8
45°	57	52	29	17	7	2
47.5°	38	37	22	11	2	2
50°	28	26	16	6	2	2
52.5°	23	21	11	3	1	1
55°	19	16	7	2	1	1
57.5°	16	13	4	1	1	1
60°	12	9	3	1	1	1
62.5°	9	6	2	1	1	1
65°	7	4	1	1	1	1
67.5°	5	2	1	1	1	1
70°	4	2	1	1	1	1
72.5°	4	1	1	1	1	1
75°	4	1	1	0	0	0
77.5°	3	1	0	0	0	0
80°	3	1	0	0	0	0
82.5°	2	1	0	0	0	0
85°	2	1	0	0	0	0
87.5°	1	0	0	0	0	0
90°	0	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)