

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: 267p102

Luminaire Tested: **H2EF-26DTT-126GP**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-46-04  
Report Number: 267p102  
Test Lab: METALUX LABORATORIES  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H2EF-26DTT-126GP  
Description: HALO 10" RECESSED SQUARE DOWNLIGHT, 2 26CF WITH DROP GLASS  
OPAL WITH WHITE TRIM  
Light Source: TWO - CF26DD/E/827 - 1825 LUMENS - 26 WATTS  
Ballast/Driver: C2642UNVBE

**Summary**

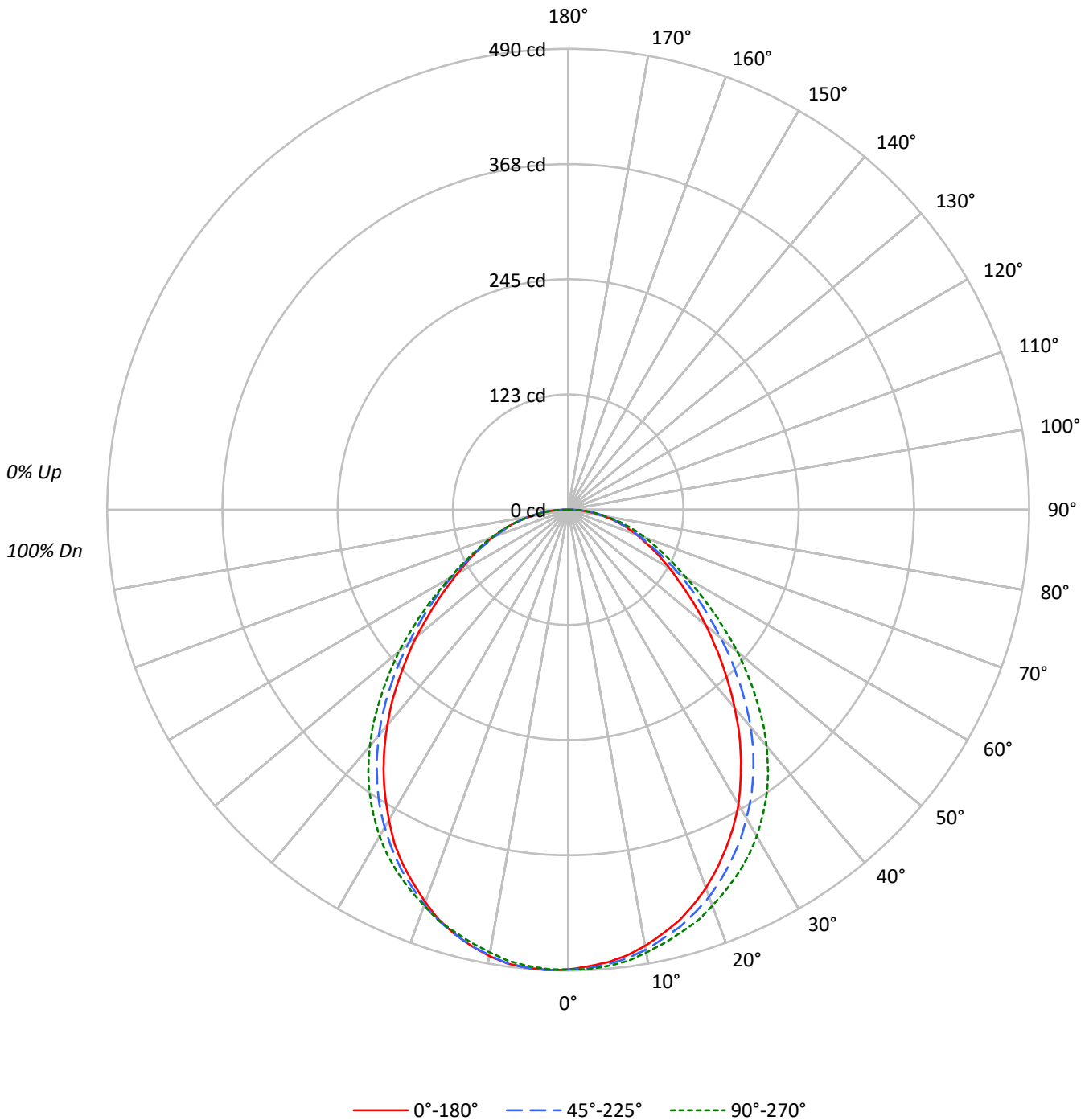
Lumens per Lamp: 1825 (2 lamps)  
Luminaire Lumens: 1140.9 lumens  
Efficiency: 31.3%  
Efficacy: 26.5 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.22 / 1.26  
Luminous Opening: Rectangular (W 0.71' x L: 0.71' x H: 0')  
CIE Type: Direct

Input Watts (W): 43  
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



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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	37	37	37	37	36	36	36	36	35	35	35	33	33	33	32	32	32	31
1	34	33	31	30	33	32	31	30	31	30	29	30	29	28	28	28	27	27
2	31	29	27	25	30	28	26	25	27	26	24	26	25	24	25	24	23	23
3	29	26	23	21	28	25	23	21	24	22	21	23	22	20	23	21	20	19
4	26	23	20	18	26	22	20	18	22	20	18	21	19	18	20	19	17	17
5	24	21	18	16	24	20	18	16	20	17	16	19	17	15	18	17	15	15
6	23	19	16	14	22	18	16	14	18	16	14	17	15	14	17	15	14	13
7	21	17	14	12	21	17	14	12	16	14	12	16	14	12	15	14	12	12
8	20	16	13	11	19	15	13	11	15	13	11	15	13	11	14	12	11	10
9	18	14	12	10	18	14	12	10	14	12	10	13	11	10	13	11	10	9
10	17	13	11	9	17	13	11	9	13	11	9	13	11	9	12	10	9	9

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	10491	10491	10491
5°	10402	10488	10531
10°	10260	10413	10500
15°	10061	10328	10372
20°	9771	10228	10137
25°	9397	10108	9847
30°	8968	9934	9438
35°	8381	9638	8957
40°	7701	9186	8374
45°	7008	8556	7706
50°	6375	7843	7042
55°	5760	6994	6358
60°	5320	6221	5835
65°	5026	5736	5533
70°	4830	5457	5332
75°	4725	5305	5222
80°	4571	5065	5065
85°	4677	5415	5661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	46.2	4.0	1.3
10°-20°	130.4	11.4	3.6
20°-30°	191.6	16.8	5.2
30°-40°	217.7	19.1	6.0
40°-50°	202.2	17.7	5.5
50°-60°	157.2	13.8	4.3
60°-70°	107.3	9.4	2.9
70°-80°	64.5	5.7	1.8
80°-90°	23.8	2.1	0.7
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°	368.2	32.3	10.1
0°-40°	585.9	51.4	16.1
0°-60°	945.3	82.9	25.9
0°-90°	1140.9	100.0	31.3
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°	1140.9	100.0	31.3

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	489	489	489	489	489	
5°	483	485	487	489	489	46
15°	453	459	465	467	467	127
25°	397	411	427	421	416	183
35°	320	343	368	354	342	200
45°	231	256	282	268	254	179
55°	154	171	187	180	170	139
65°	99	104	113	109	109	98
75°	57	58	64	62	63	60
85°	19	22	22	24	23	21
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	489	489	489	489	489	489	489	489	489
2.5°	486	487	488	488	489	490	490	489	490
5°	483	484	485	486	487	489	489	489	489
7.5°	478	480	481	482	484	486	487	486	487
10°	471	473	475	477	478	481	481	481	482
12.5°	462	464	467	470	472	475	475	474	475
15°	453	455	459	462	465	468	467	466	467
17.5°	441	445	449	454	458	459	458	457	457
20°	428	432	438	444	448	449	447	445	444
22.5°	413	417	425	433	438	438	434	431	430
25°	397	402	411	421	427	427	421	417	416
27.5°	380	385	396	408	415	414	406	401	400
30°	362	367	379	393	401	400	390	383	381
32.5°	341	347	362	377	385	383	373	364	362
35°	320	327	343	359	368	366	354	345	342
37.5°	298	305	323	340	349	346	334	324	321
40°	275	283	302	319	328	325	313	303	299
42.5°	253	261	279	297	306	303	291	280	277
45°	231	239	256	273	282	279	268	258	254
47.5°	210	217	234	250	258	256	245	236	232
50°	191	197	211	226	235	232	222	214	211
52.5°	172	178	190	204	210	209	200	193	189
55°	154	160	171	181	187	187	180	173	170
57.5°	138	142	153	160	165	165	161	154	152
60°	124	127	136	141	145	145	143	137	136
62.5°	111	113	119	124	128	127	125	122	122
65°	99	100	104	109	113	112	109	108	109
67.5°	87	89	90	96	99	98	95	96	96
70°	77	78	79	84	87	86	83	84	85
72.5°	67	68	68	72	75	74	72	73	74
75°	57	58	58	61	64	63	62	62	63
77.5°	47	48	49	50	52	52	52	51	51
80°	37	38	39	40	41	41	42	41	41
82.5°	28	29	30	30	31	32	32	32	32
85°	19	21	22	22	22	23	24	24	23
87.5°	11	13	14	14	14	15	16	16	14
90°	0	0	0	0	0	0	0	0	0

(END OF REPORT)