

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: 267p101

Luminaire Tested: **H2EF-26DTT-124P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 267p101
Test Lab: METALUX LABORATORIES
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H2EF-26DTT-124P
Description: HALO 10" RECESSED SQUARE DOWNLIGHT, 2 26CF WITH FOUR CELL
LOUVER WITH WHITE TRIM
Light Source: TWO - CF26DD/E/827 - 1825 LUMENS - 26 WATTS
Ballast/Driver: C2642UNVBE

Summary

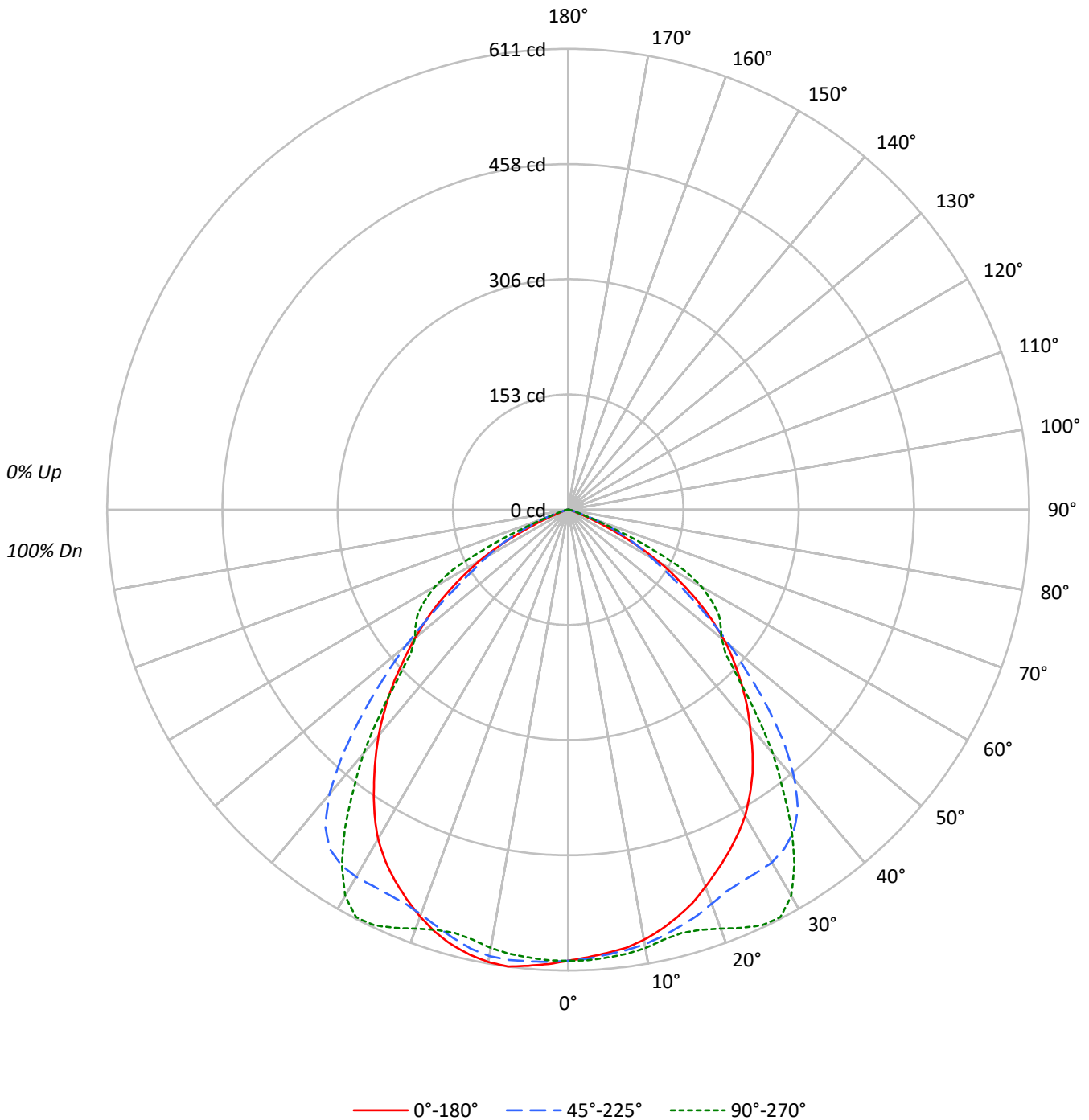
Lumens per Lamp: 1825 (2 lamps)
Luminaire Lumens: 1355.3 lumens
Efficiency: 37.1%
Efficacy: 30.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.36 / 1.36
Luminous Opening: Rectangular (W 0.71' x L: 0.71' x H: 0')
CIE Type: Direct

Input Watts (W): 45
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	44	44	44	44	43	43	43	43	41	41	41	40	40	40	38	38	38	37
1	41	40	39	38	40	39	38	37	38	37	36	36	35	35	35	34	34	33
2	38	36	34	32	37	35	33	32	34	32	31	33	31	30	32	30	29	29
3	35	32	29	27	34	31	29	27	30	28	27	29	28	26	28	27	26	25
4	33	29	26	24	32	28	26	24	27	25	23	27	25	23	26	24	23	22
5	30	26	23	21	29	26	23	21	25	22	20	24	22	20	23	22	20	19
6	28	24	21	18	27	23	20	18	23	20	18	22	20	18	21	19	18	17
7	26	21	18	16	25	21	18	16	21	18	16	20	18	16	20	18	16	15
8	24	20	17	15	24	19	17	15	19	16	15	18	16	15	18	16	14	14
9	23	18	15	13	22	18	15	13	17	15	13	17	15	13	17	15	13	12
10	21	17	14	12	21	17	14	12	16	14	12	16	14	12	16	13	12	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	12829	12829	12829
5°	12706	12835	13072
10°	12613	12853	13267
15°	12415	12904	13259
20°	12146	13493	13105
25°	11883	14392	12853
30°	11618	14640	12485
35°	11157	13514	11759
40°	10502	11818	10950
45°	9830	9739	9982
50°	9045	8845	8845
55°	7742	9126	7518
60°	6050	8753	5835
65°	3300	5990	3147
70°	941	1694	815
75°	580	829	497
80°	371	618	371
85°	246	492	246



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	56.9	4.2	1.6
10°-20°	164.1	12.1	4.5
20°-30°	259.0	19.1	7.1
30°-40°	310.5	22.9	8.5
40°-50°	271.8	20.1	7.4
50°-60°	193.9	14.3	5.3
60°-70°	86.8	6.4	2.4
70°-80°	10.6	0.8	0.3
80°-90°	1.7	0.1	0.0
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°	479.9	35.4	13.1
0°-40°	790.4	58.3	21.7
0°-60°	1256.2	92.7	34.4
0°-90°	1355.3	100.0	37.1
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°	1355.3	100.0	37.1

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	598	598	598	598	598	
5°	590	592	596	601	607	56
15°	559	572	581	588	597	157
25°	502	544	608	563	543	231
35°	426	521	516	550	449	265
45°	324	377	321	388	329	250
55°	207	190	244	184	201	184
65°	65	80	118	75	62	69
75°	7	8	10	7	6	8
85°	1	1	2	1	1	1
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°	598	598	598	598	598	598	598	598	598
2.5°	594	594	596	596	598	599	600	602	603
5°	590	590	592	593	596	599	601	606	607
7.5°	586	586	589	591	594	598	602	608	611
10°	579	580	585	586	590	594	601	606	609
12.5°	570	572	579	581	584	588	596	601	604
15°	559	564	572	577	581	584	588	594	597
17.5°	547	553	565	576	584	584	579	585	587
20°	532	541	556	580	591	589	571	573	574
22.5°	517	528	548	586	600	597	565	560	559
25°	502	515	544	591	608	605	563	546	543
27.5°	486	500	542	592	609	609	562	529	525
30°	469	485	540	584	591	604	562	513	504
32.5°	448	468	533	558	558	579	559	493	478
35°	426	449	521	523	516	541	550	471	449
37.5°	401	429	500	478	467	491	529	448	420
40°	375	408	467	429	422	439	492	424	391
42.5°	350	386	426	382	370	388	444	399	360
45°	324	363	377	330	321	339	388	373	329
47.5°	298	337	325	282	283	291	333	345	296
50°	271	309	280	247	265	254	281	315	265
52.5°	240	279	233	228	255	233	230	282	234
55°	207	243	190	214	244	218	184	245	201
57.5°	173	199	155	197	226	199	149	201	168
60°	141	155	128	175	204	175	124	155	136
62.5°	103	111	104	147	172	148	100	111	101
65°	65	69	80	108	118	110	75	72	62
67.5°	35	36	57	64	64	67	52	36	32
70°	15	19	34	28	27	30	32	17	13
72.5°	10	10	16	14	15	14	16	9	8
75°	7	7	8	9	10	9	7	6	6
77.5°	5	5	5	6	7	6	5	5	4
80°	3	3	3	4	5	4	3	3	3
82.5°	2	2	2	3	3	3	2	2	2
85°	1	1	1	2	2	2	1	1	1
87.5°	0	0	1	1	1	1	1	1	1
90°	0	0	0	0	0	0	0	0	0

(END OF REPORT)