

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: 267p103

Luminaire Tested: **H2EF-26DTT-123P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 267p103
Test Lab: METALUX LABORATORIES
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H2EF-26DTT-123P
Description: HALO 10" RECESSED SQUARE DOWNLIGHT, 2 26CF WITH FRESNEL GLASS LENS WITH WHITE TRIM
Light Source: TWO - CF26DD/E/827 - 1825 LUMENS - 26 WATTS
Ballast/Driver: C2642UNVBE

Summary

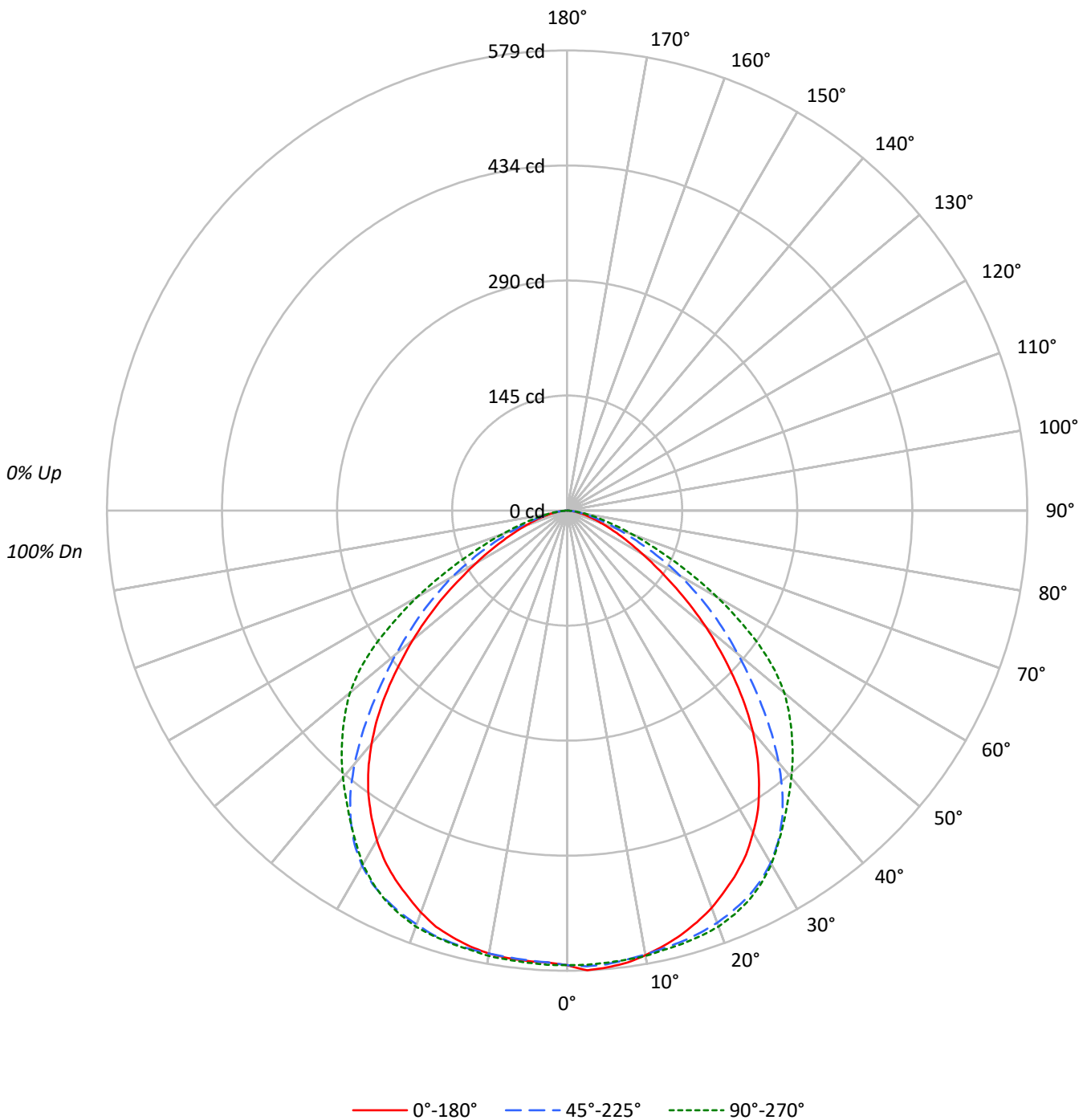
Lumens per Lamp: 1825 (2 lamps)
Luminaire Lumens: 1387.2 lumens
Efficiency: 38.0%
Efficacy: 31.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.34
Luminous Opening: Rectangular (W 0.71' x L: 0.71' x H: 0')
CIE Type: Direct

Input Watts (W): 44
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	45	45	45	45	44	44	44	44	42	42	42	40	40	40	39	39	39	38
1	42	40	39	38	41	40	38	37	38	37	36	37	36	35	35	34	34	33
2	39	36	34	32	38	35	33	31	34	32	31	33	31	30	31	30	29	28
3	35	32	29	27	35	31	29	27	30	28	26	29	27	26	28	27	25	25
4	33	29	25	23	32	28	25	23	27	25	23	26	24	22	25	24	22	21
5	30	26	23	20	29	25	22	20	24	22	20	24	21	20	23	21	19	19
6	28	23	20	18	27	23	20	18	22	20	18	22	19	17	21	19	17	17
7	26	21	18	16	25	21	18	16	20	18	16	20	17	16	19	17	15	15
8	24	19	16	14	24	19	16	14	19	16	14	18	16	14	18	16	14	13
9	23	18	15	13	22	18	15	13	17	15	13	17	14	13	16	14	13	12
10	21	16	14	12	21	16	13	12	16	13	12	16	13	12	15	13	11	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	12271	12271	12271
5°	12426	12297	12254
10°	12373	12395	12330
15°	12282	12527	12349
20°	12146	12716	12283
25°	11930	12806	12120
30°	11593	12733	11866
35°	11026	12466	11419
40°	10194	12294	10726
45°	8981	12136	9709
50°	7610	11915	8477
55°	6059	11034	7107
60°	4720	9354	5664
65°	3655	7310	4467
70°	2823	5457	3513
75°	2238	3979	2818
80°	1730	2965	2224
85°	1231	1969	1723



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	54.3	3.9	1.5
10°-20°	158.2	11.4	4.3
20°-30°	244.3	17.6	6.7
30°-40°	288.4	20.8	7.9
40°-50°	271.8	19.6	7.4
50°-60°	205.4	14.8	5.6
60°-70°	112.9	8.1	3.1
70°-80°	43.8	3.2	1.2
80°-90°	8.1	0.6	0.2
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°	456.9	32.9	12.5
0°-40°	745.2	53.7	20.4
0°-60°	1222.4	88.1	33.5
0°-90°	1387.2	100.0	38.0
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°	1387.2	100.0	38.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	572	572	572	572	572	
5°	577	573	571	568	569	55
15°	553	561	564	563	556	156
25°	504	537	541	540	512	232
35°	421	472	476	475	436	262
45°	296	346	400	347	320	228
55°	162	221	295	222	190	147
65°	72	109	144	113	88	73
75°	27	38	48	41	34	29
85°	5	5	8	6	7	6
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°	572	572	572	572	572	572	572	572	572
2.5°	579	572	574	573	572	570	569	569	569
5°	577	570	573	571	571	570	568	569	569
7.5°	574	567	570	570	570	569	567	568	568
10°	568	561	567	569	569	568	566	566	566
12.5°	561	556	564	566	566	566	565	563	562
15°	553	549	561	564	564	564	563	559	556
17.5°	543	542	557	562	561	562	560	553	549
20°	532	534	552	557	557	558	554	545	538
22.5°	518	523	545	550	550	552	548	535	525
25°	504	512	537	541	541	544	540	524	512
27.5°	488	499	526	529	529	533	530	511	497
30°	468	483	512	514	514	517	516	496	479
32.5°	447	464	494	495	495	498	498	478	458
35°	421	442	472	475	476	477	475	458	436
37.5°	394	416	445	453	457	453	448	433	411
40°	364	386	414	430	439	430	416	406	383
42.5°	331	352	381	407	420	406	382	375	353
45°	296	316	346	383	400	381	347	341	320
47.5°	261	280	312	359	379	356	313	306	286
50°	228	244	280	335	357	331	281	271	254
52.5°	194	210	250	309	329	305	250	236	221
55°	162	177	221	277	295	273	222	203	190
57.5°	134	147	192	240	256	239	193	172	159
60°	110	121	164	203	218	203	167	144	132
62.5°	89	99	136	168	180	169	139	119	109
65°	72	80	109	135	144	138	113	97	88
67.5°	57	64	86	105	113	108	90	79	71
70°	45	51	67	81	87	84	70	63	56
72.5°	35	40	51	61	65	64	54	49	44
75°	27	30	38	45	48	48	41	38	34
77.5°	20	22	27	32	35	35	30	28	25
80°	14	15	18	22	24	24	21	19	18
82.5°	9	9	11	13	14	15	13	12	12
85°	5	5	5	7	8	8	6	6	7
87.5°	1	1	1	1	1	1	2	1	1
90°	0	0	0	0	0	0	0	0	0

(END OF REPORT)