

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: 267P100

Luminaire Tested: **H2EF-26DTT-120P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 267P100
Test Lab: METALUX LABORATORIES
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H2EF-26DTT-120P
Description: HALO 11" RECESSED SQUARE DOWNLIGHT, 2 26CF WITH ALBALITE
GLASS FROSTED DIFFUSE WITH WHITE TRIM
Light Source: TWO - CF26DD/E/827 - 1825 LUMENS - 26 WATTS
Ballast/Driver: C2642UNVBE

Summary

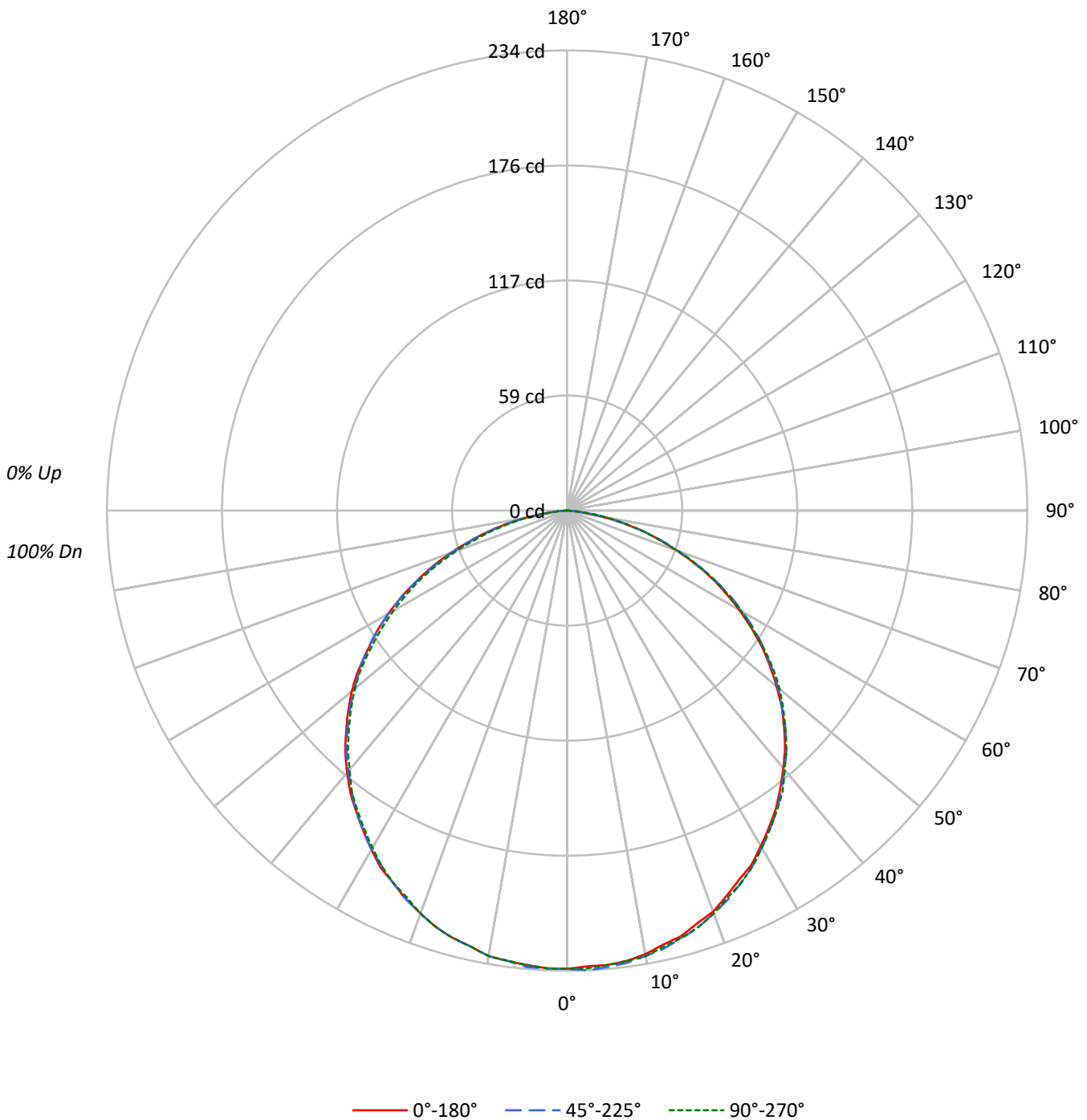
Lumens per Lamp: 1825 (2 lamps)
Luminaire Lumens: 660.4 lumens
Efficiency: 18.1%
Efficacy: 15.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 0.71' x L: 0.71' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	4999	4999	4999
5°	4996	4996	4996
10°	4989	5010	5010
15°	4975	4997	4997
20°	4954	4977	4977
25°	4900	4947	4947
30°	4880	4905	4930
35°	4845	4871	4897
40°	4789	4817	4873
45°	4733	4763	4824
50°	4639	4706	4773
55°	4526	4563	4638
60°	4334	4376	4505
65°	4112	4163	4264
70°	3701	3764	3952
75°	3233	3233	3481
80°	2347	2471	2718
85°	738	1231	1231



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	22.1	3.3	0.6
10°-20°	63.4	9.6	1.7
20°-30°	96.3	14.6	2.6
30°-40°	116.5	17.6	3.2
40°-50°	121.3	18.4	3.3
50°-60°	109.5	16.6	3.0
60°-70°	81.5	12.3	2.2
70°-80°	42.4	6.4	1.2
80°-90°	7.3	1.1	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°	181.8	27.5	5.0
0°-40°	298.3	45.2	8.2
0°-60°	529.2	80.1	14.5
0°-90°	660.4	100.0	18.1
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°	660.4	100.0	18.1

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	233	233	233	233	233	
5°	232	233	232	233	232	22
15°	224	225	225	225	225	63
25°	207	209	209	209	209	96
35°	185	186	186	187	187	116
45°	156	157	157	158	159	120
55°	121	122	122	124	124	108
65°	81	82	82	84	84	80
75°	39	39	39	41	42	41
85°	3	4	5	5	5	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°	233	233	233	233	233	233	233	233	233
2.5°	232	233	234	234	233	233	233	232	233
5°	232	233	233	233	232	232	233	232	232
7.5°	231	232	232	232	231	231	231	231	231
10°	229	230	230	230	230	229	230	229	230
12.5°	226	227	228	228	227	227	227	227	227
15°	224	225	225	225	225	224	225	224	225
17.5°	220	221	222	222	222	221	222	221	222
20°	217	218	218	218	218	218	218	218	218
22.5°	212	213	214	214	213	213	214	214	214
25°	207	209	209	209	209	209	209	209	209
27.5°	203	204	204	204	204	204	204	204	205
30°	197	198	198	199	198	199	199	199	199
32.5°	191	192	192	193	192	193	193	193	193
35°	185	186	186	186	186	186	187	187	187
37.5°	178	179	179	180	180	180	180	180	181
40°	171	172	172	172	172	173	173	173	174
42.5°	164	164	165	165	165	165	166	166	167
45°	156	157	157	157	157	158	158	158	159
47.5°	148	148	148	149	149	150	150	150	151
50°	139	140	140	140	141	141	141	142	143
52.5°	130	131	131	132	132	132	133	133	134
55°	121	122	122	122	122	123	124	124	124
57.5°	111	112	113	112	112	113	115	115	115
60°	101	102	103	102	102	103	105	105	105
62.5°	91	92	93	92	92	93	95	95	95
65°	81	81	82	82	82	83	84	84	84
67.5°	70	71	71	71	71	72	73	74	74
70°	59	60	60	60	60	61	62	63	63
72.5°	49	50	50	50	49	51	52	53	52
75°	39	39	39	39	39	40	41	42	42
77.5°	28	29	29	29	29	30	31	32	32
80°	19	19	19	19	20	21	21	22	22
82.5°	10	10	11	11	12	12	12	12	12
85°	3	3	4	4	5	5	5	5	5
87.5°	1	1	1	1	1	1	1	1	1
90°	0	0	0	0	0	0	0	0	0

(END OF REPORT)