

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: 267P154

Luminaire Tested: **H272ICAT-26CFTT-424P**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: 267P154  
Test Lab: METALUX RESEARCH LABS  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H272ICAT-26CFTT-424P  
Description: 6" WALLWASH DOWNLIGHT REFLECTOR  
Light Source: ONE COMPACT FLUORESCENT TRIPLE TUBE LAMP  
F26TBX/SPX27 26 WATTS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 1800 (1 lamp)  
Luminaire Lumens: 732.5 lumens  
Efficiency: 40.7%  
Efficacy: 30.5 lumens/watt  
Spacing Criteria (0/90/45): 1.61 / 1.74 / 1.6  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

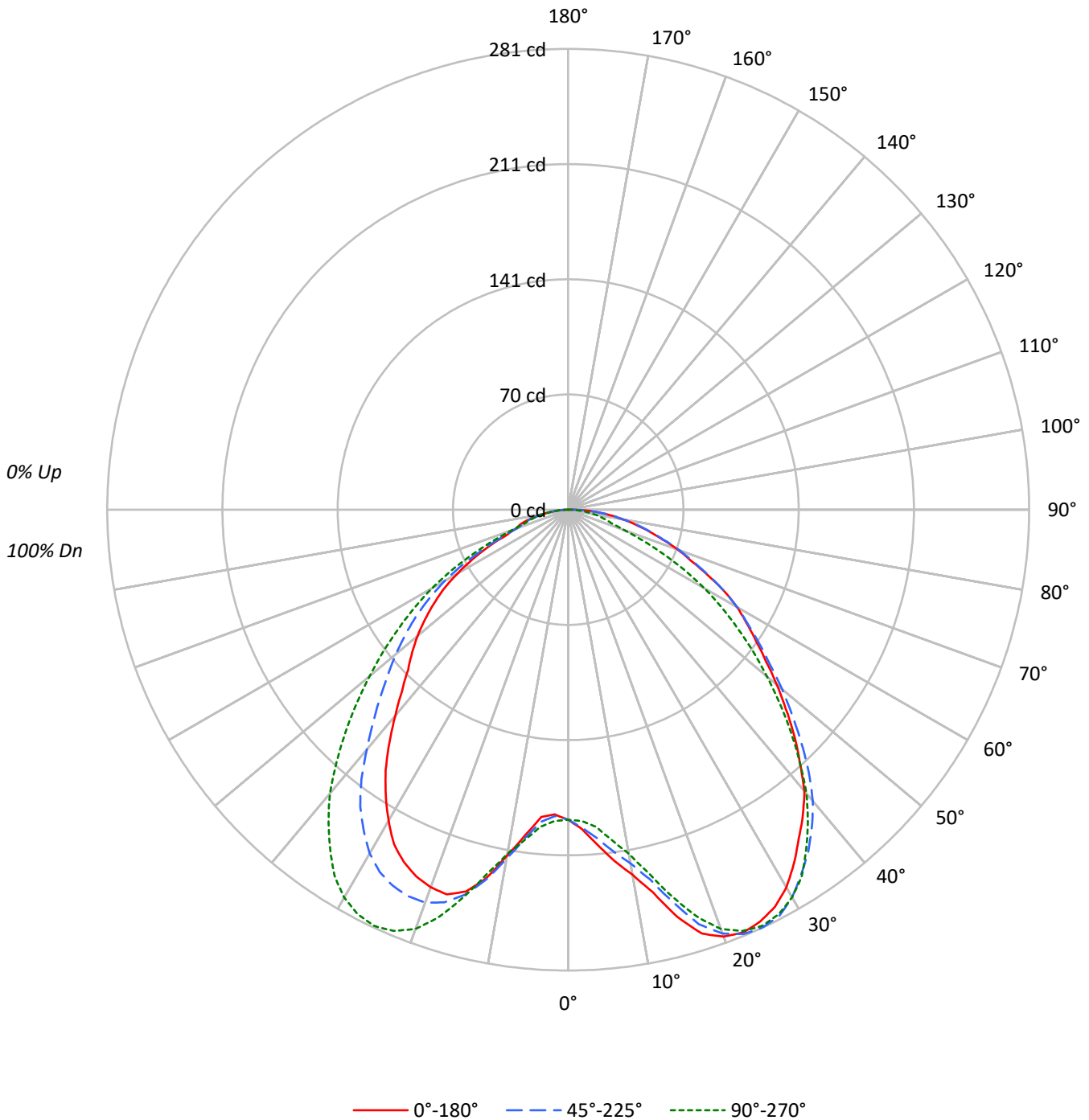
Input Watts (W): 24  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	48	48	48	48	47	47	47	47	45	45	45	43	43	43	42	42	42	41
1	44	43	41	40	43	42	40	39	40	39	38	38	37	36	37	36	35	35
2	41	37	35	33	40	37	34	32	35	33	31	34	32	31	33	31	30	29
3	37	33	30	27	36	32	29	27	31	29	27	30	28	26	29	27	26	25
4	34	29	26	23	33	29	26	23	28	25	23	27	24	22	26	24	22	21
5	31	26	23	20	31	26	22	20	25	22	20	24	22	20	23	21	19	18
6	29	24	20	18	28	23	20	17	23	20	17	22	19	17	21	19	17	16
7	27	21	18	16	26	21	18	15	21	18	15	20	17	15	19	17	15	14
8	25	20	16	14	24	19	16	14	19	16	14	18	16	14	18	15	14	13
9	23	18	15	12	23	18	15	12	17	14	12	17	14	12	16	14	12	11
10	22	17	13	11	21	16	13	11	16	13	11	16	13	11	15	13	11	10

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

	0°	90°	180°
0°	10361	10361	10361
5°	11281	10676	10346
10°	12580	11857	11912
15°	14586	13848	13678
20°	16160	15868	14293
25°	16755	16936	14336
30°	16838	17281	13863
35°	16396	16932	12983
40°	16030	16173	11736
45°	15118	14885	10699
50°	14157	13475	10234
55°	13381	12043	9558
60°	13047	10525	8552
65°	12064	8302	7005
70°	11380	5770	5450
75°	10802	5083	5719
80°	10734	5051	5051
85°	11322	5032	3774



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	19.4	2.6	1.1
10°-20°	70.0	9.6	3.9
20°-30°	122.6	16.7	6.8
30°-40°	147.2	20.1	8.2
40°-50°	139.1	19.0	7.7
50°-60°	112.1	15.3	6.2
60°-70°	72.1	9.8	4.0
70°-80°	37.1	5.1	2.1
80°-90°	12.6	1.7	0.7
90°-100°	0.1	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°	212.0	28.9	11.8
0°-40°	359.2	49.0	20.0
0°-60°	610.5	83.3	33.9
0°-90°	732.3	100.0	40.7
90°-120°	0.1	0.0	0.0
90°-150°	0.1	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	732.5	100.0	40.7

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	189	189	189	189	189	
5°	205	201	194	191	188	20
15°	257	248	244	243	241	73
25°	277	281	280	253	237	127
35°	245	255	253	221	194	154
45°	195	201	192	162	138	150
55°	140	142	126	113	100	126
65°	93	94	64	57	54	93
75°	51	52	24	26	27	54
85°	18	18	8	7	6	18
90°	3	3	0	0	0	2
95°	0	0	0	0	0	0
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°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	189	189	189	189	189	189	189	189	189
2.5°	195	195	194	192	190	189	187	186	186
5°	205	204	201	198	194	192	191	189	188
7.5°	216	214	210	205	203	203	202	201	200
10°	226	224	219	214	213	215	216	215	214
12.5°	239	237	231	228	227	229	231	230	230
15°	257	255	248	245	244	243	243	242	241
17.5°	271	272	265	260	260	253	251	249	246
20°	277	283	275	271	272	258	255	252	245
22.5°	279	287	280	276	278	259	255	250	242
25°	277	289	281	275	280	257	253	248	237
27.5°	273	285	279	272	278	254	249	241	230
30°	266	278	273	266	273	248	242	232	219
32.5°	256	269	264	257	265	240	232	220	207
35°	245	258	255	247	253	230	221	207	194
37.5°	235	247	244	236	240	219	207	191	179
40°	224	234	232	225	226	207	191	175	164
42.5°	209	217	217	210	209	193	176	159	150
45°	195	200	201	195	192	179	162	145	138
47.5°	180	183	185	180	175	165	149	132	129
50°	166	167	170	164	158	152	137	122	120
52.5°	152	152	155	149	142	139	125	112	110
55°	140	139	142	136	126	125	113	101	100
57.5°	129	127	130	122	111	111	100	91	90
60°	119	117	119	109	96	95	87	79	78
62.5°	107	105	107	95	80	79	72	67	66
65°	93	92	94	81	64	62	57	54	54
67.5°	81	81	82	68	49	47	43	42	41
70°	71	70	72	56	36	35	33	34	34
72.5°	60	60	61	47	28	28	29	30	31
75°	51	50	52	40	24	24	26	27	27
77.5°	42	41	43	33	20	20	20	21	21
80°	34	33	34	27	16	15	16	16	16
82.5°	26	25	26	21	12	12	11	11	11
85°	18	18	18	15	8	8	7	7	6
87.5°	11	10	10	8	4	3	3	2	2
90°	3	3	3	1	0	0	0	0	0
92.5°	0	0	0	0	0	0	0	0	0
95°	0	0	0	0	0	0	0	0	0
97.5°	0	0	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0	0	0
102.5°	0	0	0	0	0	0	0	0	0
105°	0	0	0	0	0	0	0	0	0
107.5°	0	0	0	0	0	0	0	0	0
110°	0	0	0	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	0	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0	0
117.5°	0	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0	0
122.5°	0	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0	0
127.5°	0	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0

(END OF REPORT)