

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: H35153

Luminaire Tested: **H7T-741PS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H35153
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H7T-741PS
Description: HALO 7" RECESSED DOWNLIGHT
SHOWER TRIM WITH TERRACED LENS
SOCKET POSITION FIXED
Light Source: 60A19 60 WATTS 860 LUMENS
A19 INSIDE FROSTED
Ballast/Driver: -

Summary

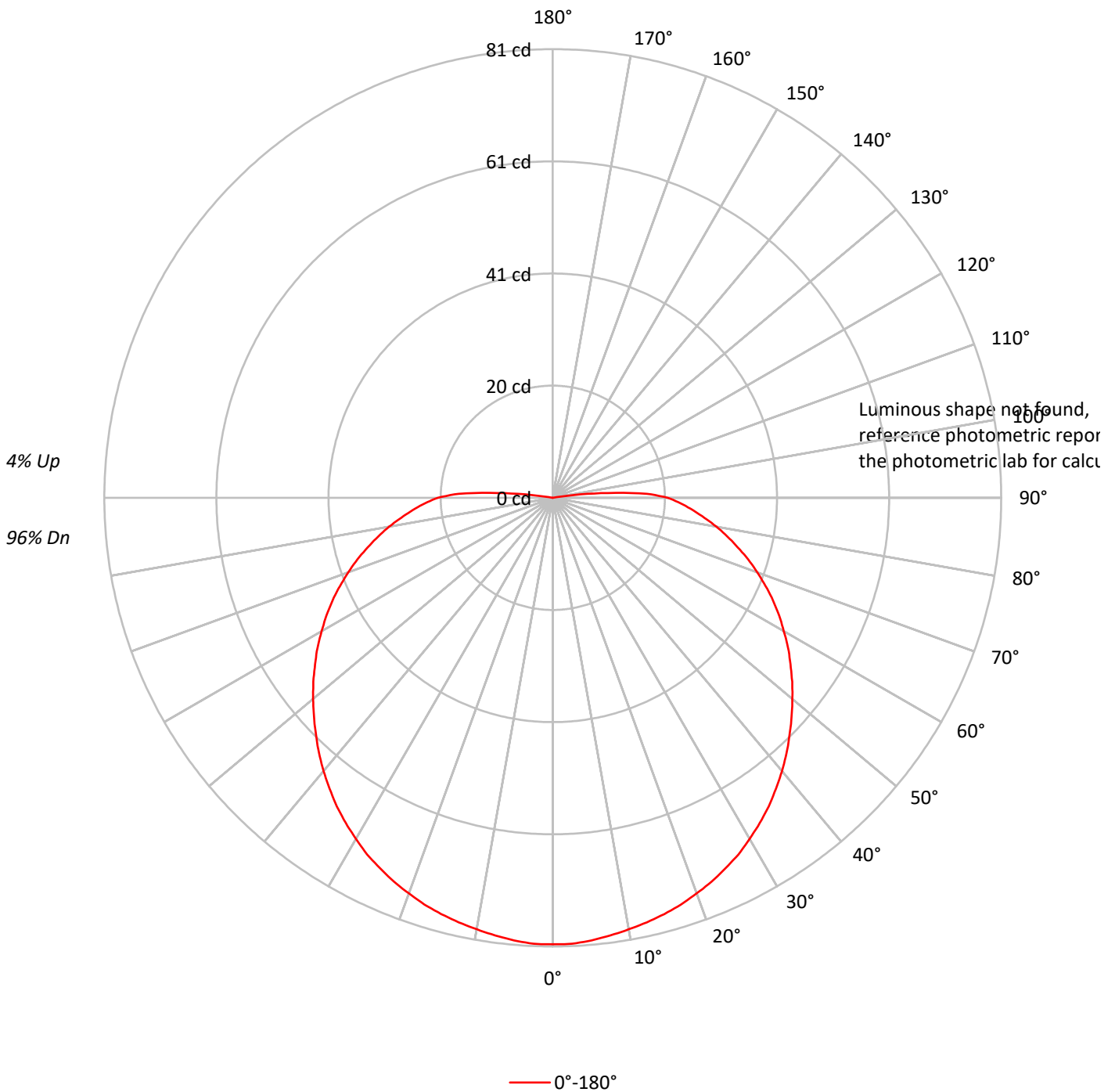
Lumens per Lamp: 860 (1 lamp)
Luminaire Lumens: 319.0 lumens
Efficiency: 37.1%
Efficacy: 5.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.46
Luminous Opening: (L: 0 ' x W: -0.42 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 60
Input Voltage (V): NR
Input Current (A_{in}): 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



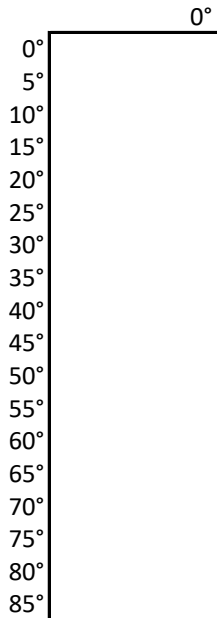


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	7.6	2.4	0.9
10°-20°	22.0	6.9	2.6
20°-30°	34.1	10.7	4.0
30°-40°	42.6	13.3	4.9
40°-50°	46.8	14.7	5.4
50°-60°	47.0	14.7	5.5
60°-70°	43.5	13.6	5.1
70°-80°	36.6	11.5	4.3
80°-90°	27.7	8.7	3.2
90°-100°	11.3	3.5	1.3
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°	63.7	20.0	7.4
0°-40°	106.2	33.3	12.4
0°-60°	199.9	62.7	23.2
0°-90°	307.7	96.5	35.8
90°-120°	11.3	3.5	1.3
90°-150°	11.3	3.5	1.3
90°-180°	11.0	3.4	1.3
0°-180°	319.0	100.0	37.1

CANDELA DISTRIBUTION:

	0°	Flux
0°	81	
5°	80	8
15°	78	22
25°	74	34
35°	68	43
45°	60	47
55°	52	47
65°	44	43
75°	35	37
85°	25	22
90°	21	11
95°	10	6
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0



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CANDELA DISTRIBUTION (FULL):

0°	
0°	80.6
2.5°	80.6
5°	80.2
7.5°	79.7
10°	79.1
12.5°	78.5
15°	77.8
17.5°	77.0
20°	76.0
22.5°	75.0
25°	73.8
27.5°	72.6
30°	71.1
32.5°	69.6
35°	68.0
37.5°	66.2
40°	64.4
42.5°	62.5
45°	60.5
47.5°	58.5
50°	56.5
52.5°	54.5
55°	52.4
57.5°	50.4
60°	48.2
62.5°	46.1
65°	43.9
67.5°	41.6
70°	39.3
72.5°	37.0
75°	34.6
77.5°	32.3
80°	30.0
82.5°	27.6
85°	25.4
87.5°	23.1
90°	20.8
92.5°	17.0
95°	10.0
97.5°	3.8
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)