

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: H35159

Luminaire Tested: **H5T-5050PS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H35159
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H5T-5050PS
Description: HALO 5" RECESSED DOWNLIGHT
SHOWER TRIM WITH DOME LENS
SOCKET POSITION FIXED
Light Source: 75A19 75 WATTS 1190 LUMENS
A19 INSIDE FROSTED
Ballast/Driver: -

Summary

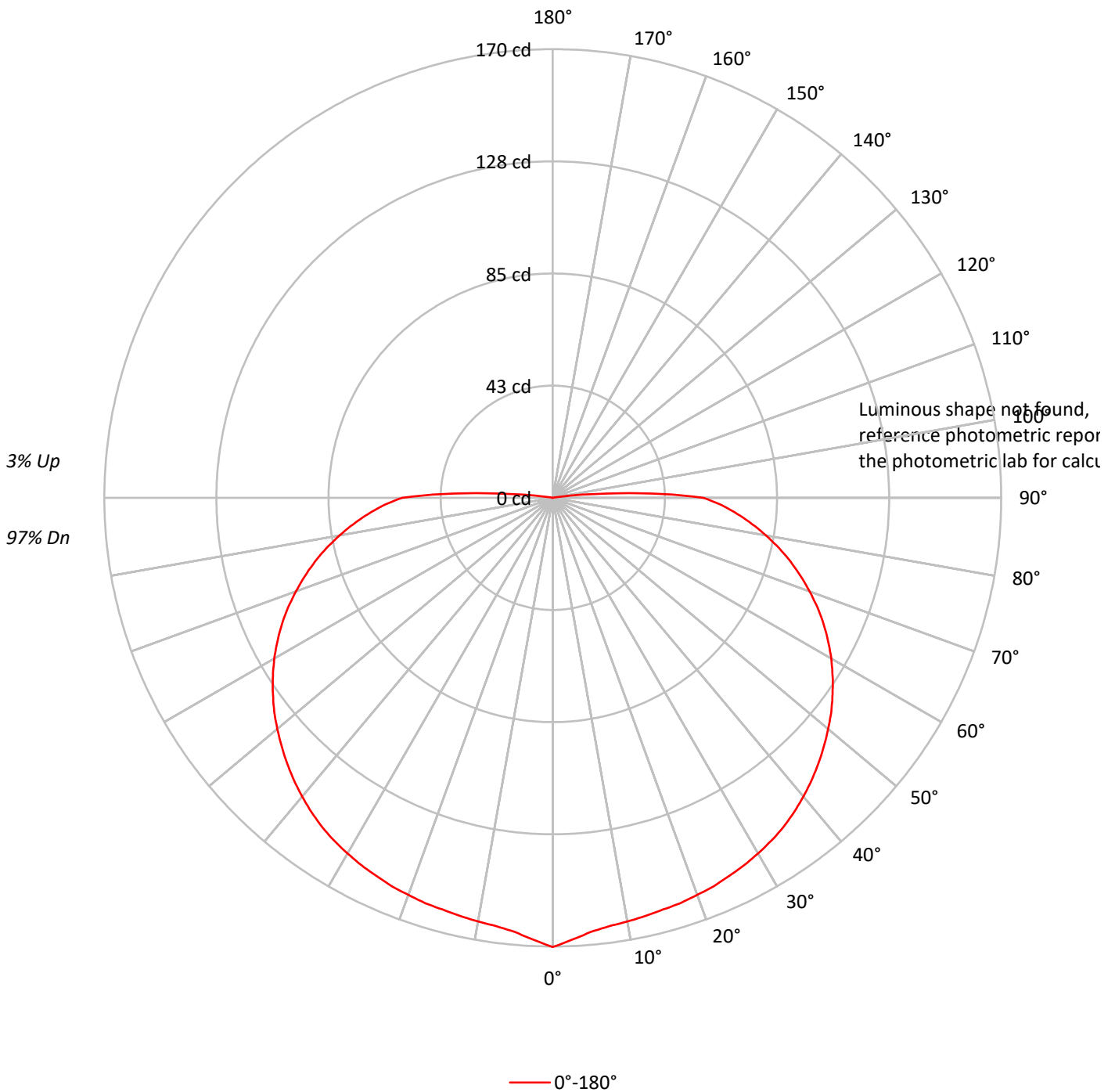
Lumens per Lamp: 1190 (1 lamp)
Luminaire Lumens: 766.7 lumens
Efficiency: 64.4%
Efficacy: 10.2 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.38 / 1.55
Luminous Opening: (L: 0' x W: -0.4' x H: 0'
CIE Type: Direct

Input Watts (W): 75
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



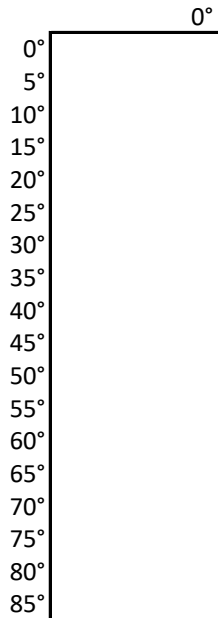


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	76	76	76	76	74	74	74	74	70	70	70		67	67	67		64	64	64	62
1	67	62	58	55	65	61	57	54	57	54	52		54	52	50		52	50	48	46
2	59	53	47	42	57	51	46	42	48	44	40		46	42	39		44	41	38	36
3	53	45	39	34	52	44	38	33	42	37	32		40	35	32		38	34	31	29
4	49	39	33	28	47	38	32	28	36	31	27		35	30	26		33	29	26	24
5	44	35	28	23	43	34	28	23	32	27	23		31	26	22		29	25	22	20
6	41	31	25	20	39	30	24	20	29	24	20		28	23	19		26	22	19	17
7	38	28	22	17	36	27	22	17	26	21	17		25	20	17		24	20	16	15
8	35	25	20	15	34	25	19	15	24	19	15		23	18	15		22	18	15	13
9	33	23	18	14	32	23	17	14	22	17	13		21	16	13		20	16	13	12
10	31	21	16	12	30	21	16	12	20	15	12		19	15	12		19	15	12	11

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	15.7	2.0	1.3
10°-20°	45.8	6.0	3.8
20°-30°	73.1	9.5	6.1
30°-40°	95.5	12.4	8.0
40°-50°	110.1	14.4	9.2
50°-60°	115.9	15.1	9.7
60°-70°	112.1	14.6	9.4
70°-80°	98.4	12.8	8.3
80°-90°	76.4	10.0	6.4
90°-100°	23.7	3.1	2.0
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°	134.6	17.6	11.3
0°-40°	230.0	30.0	19.3
0°-60°	456.0	59.5	38.3
0°-90°	743.0	96.9	62.4
90°-120°	23.7	3.1	2.0
90°-150°	23.7	3.1	2.0
90°-180°	24.0	3.1	2.0
0°-180°	766.7	100.0	64.4

CANDELA DISTRIBUTION:

	0°	Flux
0°	170	
5°	165	16
15°	162	46
25°	158	73
35°	152	95
45°	142	110
55°	130	116
65°	113	112
75°	93	98
85°	70	60
90°	57	30
95°	16	11
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°	170.2
2.5°	167.6
5°	165.1
7.5°	163.7
10°	163.0
12.5°	162.3
15°	161.5
17.5°	161.0
20°	160.1
22.5°	159.3
25°	158.1
27.5°	157.0
30°	155.6
32.5°	154.1
35°	152.4
37.5°	150.2
40°	147.8
42.5°	145.2
45°	142.4
47.5°	139.4
50°	136.3
52.5°	133.1
55°	129.5
57.5°	125.8
60°	121.9
62.5°	117.7
65°	113.3
67.5°	108.6
70°	103.6
72.5°	98.5
75°	93.3
77.5°	87.8
80°	82.1
82.5°	76.2
85°	70.3
87.5°	64.1
90°	57.1
92.5°	37.8
95°	16.0
97.5°	4.4
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)