

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: H36039

Luminaire Tested: **H5T 5021RG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H36039
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H5T 5021RG
Description: HALO 5" DIA RECESSED DOWNLIGHT
RESIDENTIAL GOLD REFLECTOR
Light Source: 60A19 60 WATTS 860 LUMENS
A19 INSIDE FROSTED
Ballast/Driver: -

Summary

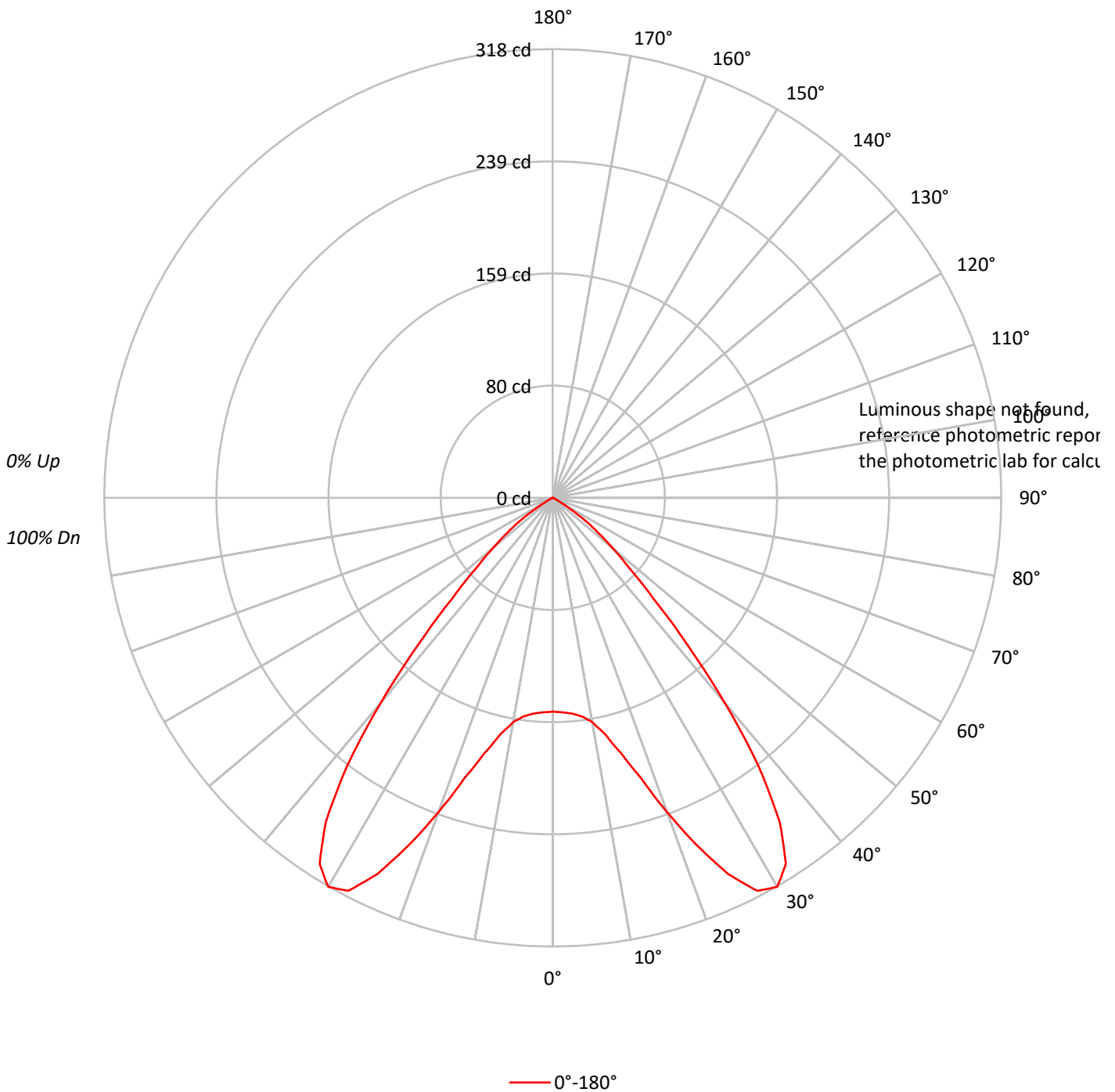
Lumens per Lamp: 860 (1 lamp)
Luminaire Lumens: 484.8 lumens
Efficiency: 56.4%
Efficacy: 8.1 lumens/watt
Spacing Criteria (0/90/45): 1.73 / 1.73 / 1.4
Luminous Opening: (L: 0 ' x W: -0.38 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 60
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



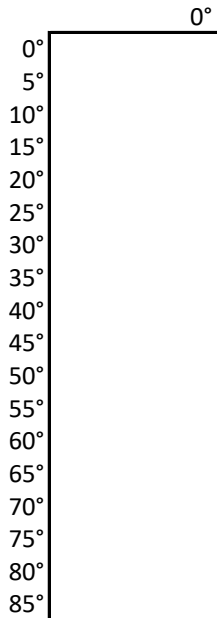


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	67	67	67	67	66	66	66	66	63	63	63	60	60	60	58	58	58	56
1	63	61	60	58	62	60	59	57	58	57	56	56	55	54	54	53	52	51
2	59	56	53	51	58	55	52	50	53	51	49	51	50	48	50	48	47	46
3	55	51	48	45	54	50	47	44	49	46	44	47	45	43	46	44	42	41
4	52	46	43	40	51	46	42	39	44	41	39	43	41	38	42	40	38	37
5	48	42	38	35	47	42	38	35	41	37	35	40	37	34	39	36	34	33
6	45	39	35	32	44	38	34	31	37	34	31	36	33	31	36	33	31	30
7	42	35	31	28	41	35	31	28	34	31	28	33	30	28	33	30	28	27
8	39	33	28	26	38	32	28	26	31	28	25	31	28	25	30	27	25	24
9	37	30	26	23	36	30	26	23	29	26	23	28	25	23	28	25	23	22
10	34	28	24	21	34	27	24	21	27	23	21	26	23	21	26	23	21	20

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	14.9	3.1	1.7
10°-20°	55.4	11.4	6.4
20°-30°	134.5	27.7	15.6
30°-40°	168.3	34.7	19.6
40°-50°	83.3	17.2	9.7
50°-60°	25.0	5.2	2.9
60°-70°	2.4	0.5	0.3
70°-80°	0.8	0.2	0.1
80°-90°	0.2	0.0	0.0
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°	204.8	42.2	23.8
0°-40°	373.1	77.0	43.4
0°-60°	481.4	99.3	56.0
0°-90°	484.8	100.0	56.4
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°	484.8	100.0	56.4

CANDELA DISTRIBUTION:

0°	Flux
0°	152
5°	153
15°	188
25°	294
35°	281
45°	101
55°	28
65°	2
75°	1
85°	0
90°	0
95°	0
105°	0
115°	0
125°	0
135°	0
145°	0
155°	0
165°	0
175°	0
180°	0



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CANDELA DISTRIBUTION (FULL):

0°	
0°	151.5
2.5°	152.2
5°	153.4
7.5°	156.1
10°	161.3
12.5°	171.6
15°	187.5
17.5°	208.5
20°	237.1
22.5°	266.2
25°	294.0
27.5°	314.0
30°	318.4
32.5°	307.6
35°	280.6
37.5°	239.7
40°	189.6
42.5°	141.0
45°	100.9
47.5°	73.4
50°	55.0
52.5°	40.7
55°	27.8
57.5°	14.5
60°	6.1
62.5°	2.9
65°	1.9
67.5°	1.5
70°	1.1
72.5°	0.9
75°	0.7
77.5°	0.5
80°	0.4
82.5°	0.2
85°	0.2
87.5°	0.1
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
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)