

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: H36050

Luminaire Tested: **H5T 5020RG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H36050
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H5T 5020RG
Description: HALO 5" DIA RECESSED DOWNLIGHT
RESIDENTIAL GOLD REFLECTOR
LOW SOCKET SETTING
Light Source: 75PAR30/FL/H 75 WATTS 1100 LUMENS
PAR30 HALOGEN FLOOD
Ballast/Driver: -

Summary

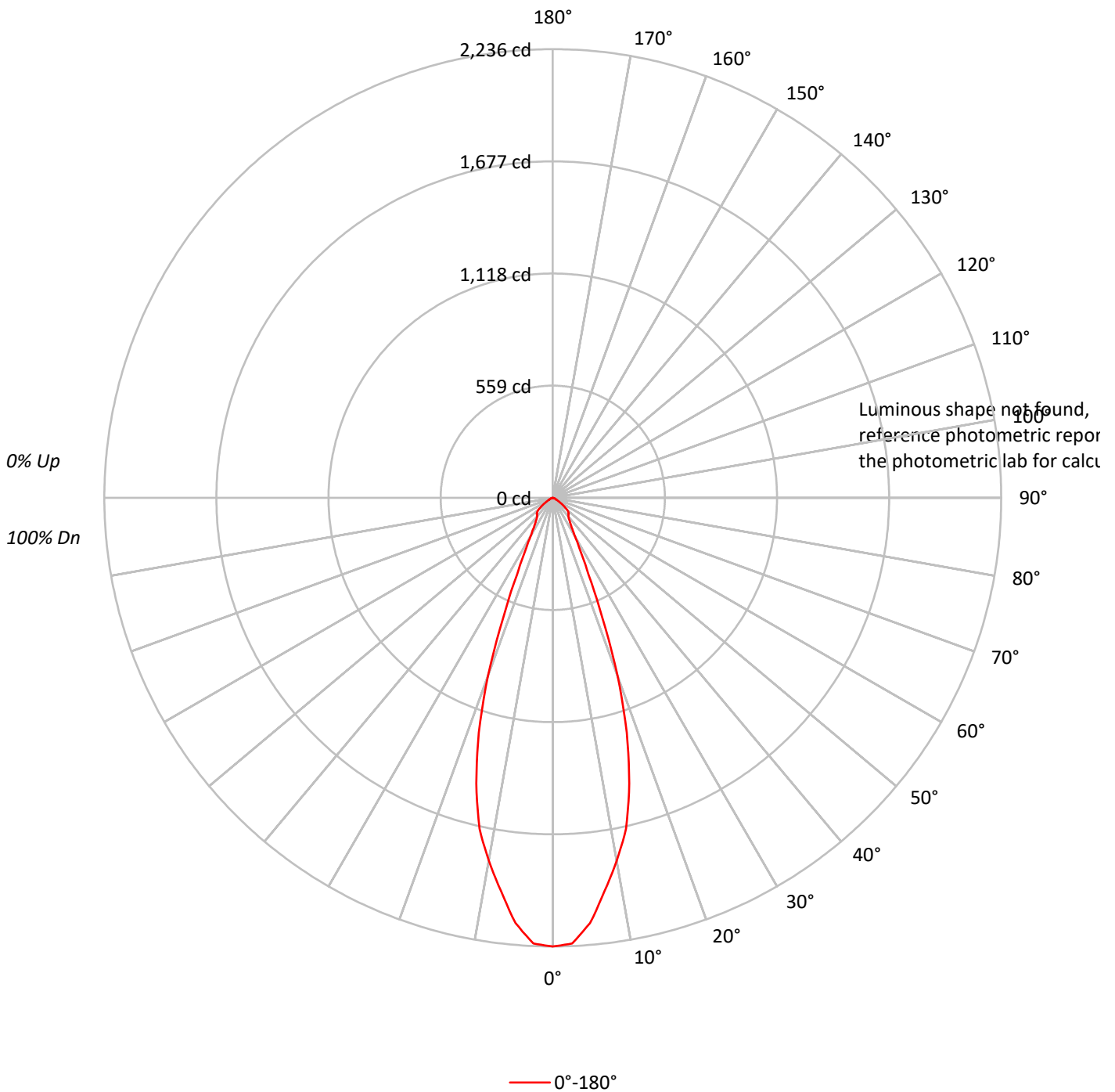
Lumens per Lamp: 1100 (1 lamp)
Luminaire Lumens: 1062.5 lumens
Efficiency: 96.6%
Efficacy: 14.2 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.57
Luminous Opening: (L: 0 ' x W: -0.38 ' x H: 0 '
CIE Type: Direct

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



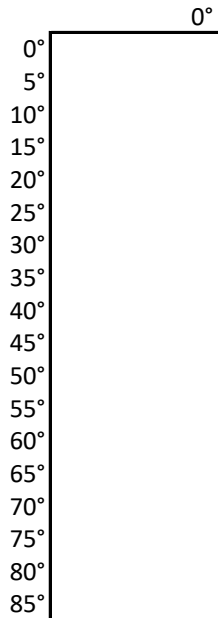


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	115	115	115	115	112	112	112	112	107	107	107	103	103	103	99	99	99	97
1	110	107	105	103	107	105	103	101	101	99	98	98	96	95	94	93	92	91
2	104	100	96	93	102	98	95	92	95	92	90	92	90	88	90	88	86	84
3	99	93	89	85	98	92	88	84	90	86	83	87	84	82	85	83	80	79
4	95	88	83	79	93	87	82	78	85	81	77	83	79	76	81	78	76	74
5	90	83	77	73	89	82	77	73	80	76	72	79	75	72	77	74	71	70
6	86	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	67	66
7	83	74	69	65	82	74	69	65	73	68	65	71	67	64	70	67	64	63
8	79	71	65	62	78	70	65	62	69	65	61	68	64	61	67	64	61	60
9	76	68	62	59	75	67	62	59	66	62	58	65	61	58	65	61	58	57
10	73	65	60	56	72	64	59	56	64	59	56	63	59	56	62	58	56	54

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	193.1	18.2	17.6
10°-20°	396.4	37.3	36.0
20°-30°	214.9	20.2	19.5
30°-40°	97.5	9.2	8.9
40°-50°	85.0	8.0	7.7
50°-60°	53.1	5.0	4.8
60°-70°	17.4	1.6	1.6
70°-80°	4.9	0.5	0.4
80°-90°	0.1	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°	804.4	75.7	73.1
0°-40°	901.9	84.9	82.0
0°-60°	1040.1	97.9	94.6
0°-90°	1062.5	100.0	96.6
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°	1062.5	100.0	96.6

CANDELA DISTRIBUTION:

	0°	Flux
0°	2236	
5°	2128	193
15°	1473	396
25°	422	215
35°	150	98
45°	113	85
55°	59	53
65°	17	17
75°	4	5
85°	0	0
90°	0	0
95°	0	0
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°	2236
2.5°	2223
5°	2128
7.5°	1977
10°	1836
12.5°	1689
15°	1473
17.5°	1227
20°	942
22.5°	641
25°	422
27.5°	296
30°	220
32.5°	176
35°	150
37.5°	132
40°	121
42.5°	115
45°	113
47.5°	105
50°	94
52.5°	77
55°	59
57.5°	42
60°	29
62.5°	21
65°	17
67.5°	13
70°	10
72.5°	7
75°	4
77.5°	2
80°	1
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)