

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: H36034

Luminaire Tested: **H5T 5020P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H36034
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H5T 5020P
Description: HALO 5" DIA RECESSED DOWNLIGHT
WHITE REFLECTOR
HIGH SOCKET SETTING
Light Source: 75R30FL 75 WATTS 900 LUMENS
R30 FLOOD
Ballast/Driver: -

Summary

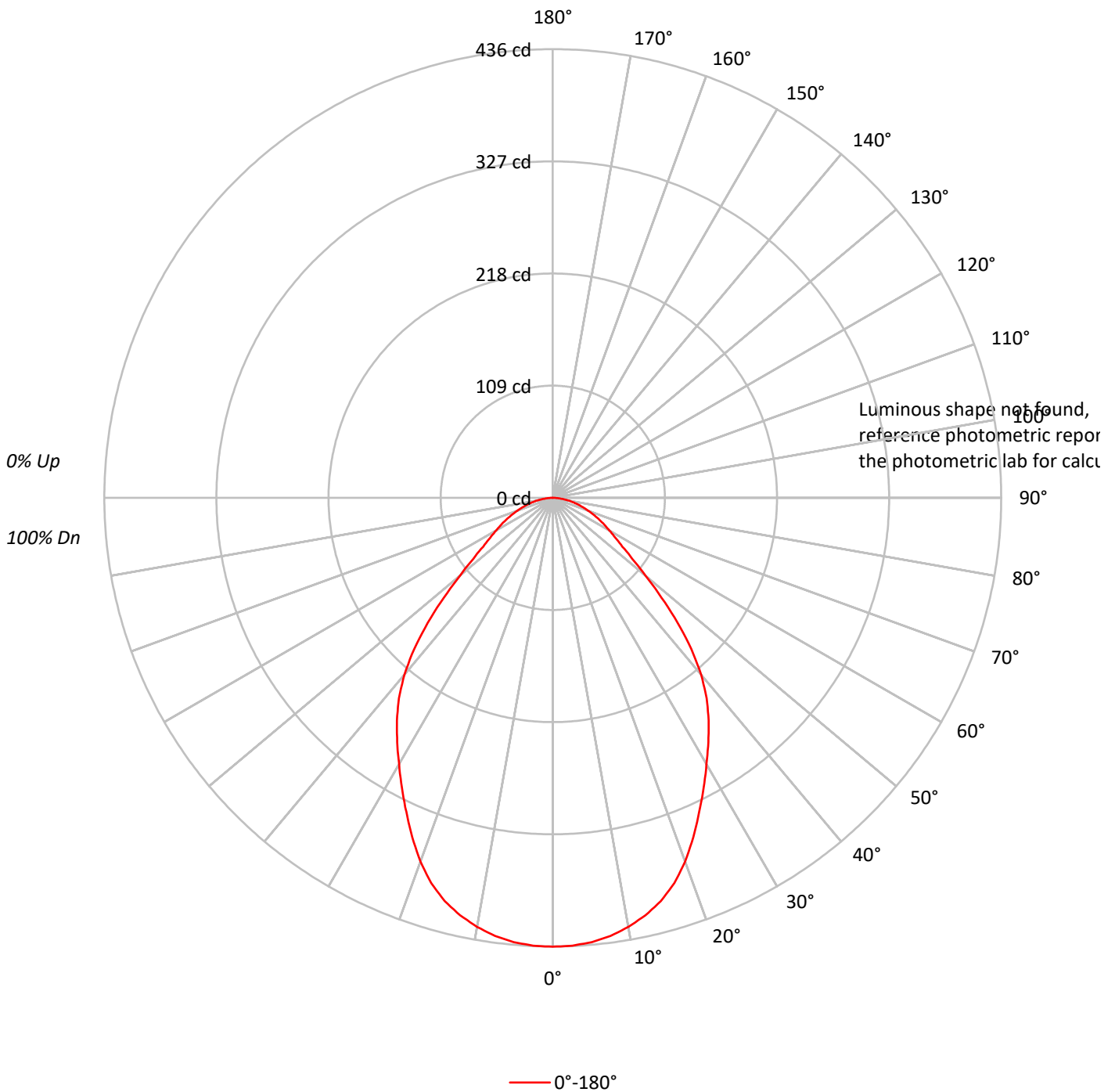
Lumens per Lamp: 900 (1 lamp)
Luminaire Lumens: 766.1 lumens
Efficiency: 85.1%
Efficacy: 10.2 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.15
Luminous Opening: (L: 0' x W: -0.38' x H: 0'
CIE Type: Direct

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



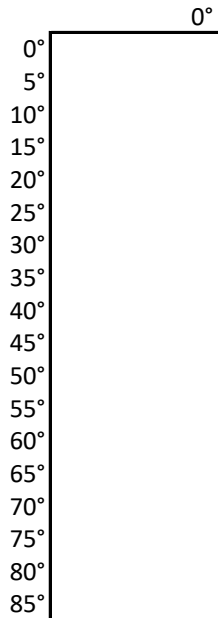


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	101	101	101	101	99	99	99	99	95	95	95		91	91	91		87	87	87	85
1	94	91	88	85	92	89	86	84	85	83	81		82	80	79		79	78	76	75
2	87	81	77	72	85	80	75	72	77	73	70		74	71	68		72	69	67	65
3	81	73	67	63	79	72	66	62	70	65	61		67	63	60		65	62	59	57
4	75	66	60	55	73	65	59	55	63	58	54		61	57	53		59	56	52	51
5	70	60	54	49	68	59	53	48	58	52	48		56	51	47		55	50	47	45
6	65	55	48	44	64	54	48	43	53	47	43		51	46	43		50	46	42	41
7	61	51	44	39	59	50	44	39	49	43	39		48	42	39		46	42	38	37
8	57	47	40	36	56	46	40	36	45	39	35		44	39	35		43	38	35	34
9	54	43	37	33	52	43	37	33	42	36	32		41	36	32		40	35	32	31
10	50	40	34	30	49	40	34	30	39	34	30		38	33	30		38	33	30	28

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	41.1	5.4	4.6
10°-20°	113.7	14.8	12.6
20°-30°	155.0	20.2	17.2
30°-40°	164.4	21.5	18.3
40°-50°	131.6	17.2	14.6
50°-60°	76.4	10.0	8.5
60°-70°	49.2	6.4	5.5
70°-80°	27.2	3.5	3.0
80°-90°	7.5	1.0	0.8
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°	309.8	40.4	34.4
0°-40°	474.2	61.9	52.7
0°-60°	682.2	89.1	75.8
0°-90°	766.1	100.0	85.1
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°	766.1	100.0	85.1

CANDELA DISTRIBUTION:

	0°	Flux
0°	436	
5°	433	41
15°	406	114
25°	337	155
35°	264	164
45°	172	132
55°	83	76
65°	50	49
75°	26	27
85°	6	7
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°	436.2
2.5°	435.6
5°	433.4
7.5°	429.4
10°	423.4
12.5°	415.6
15°	405.7
17.5°	392.7
20°	376.2
22.5°	356.9
25°	336.9
27.5°	317.6
30°	298.9
32.5°	281.4
35°	264.1
37.5°	245.6
40°	224.3
42.5°	199.5
45°	171.8
47.5°	143.3
50°	117.8
52.5°	97.4
55°	82.6
57.5°	72.0
60°	63.6
62.5°	56.3
65°	49.5
67.5°	42.9
70°	36.5
72.5°	30.9
75°	25.6
77.5°	20.5
80°	15.7
82.5°	11.0
85°	6.5
87.5°	2.4
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)