

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: H36026

Luminaire Tested: **H5-T 5010**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H36026
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H5-T 5010
Description: HALO 5" DIA RECESSED DOWNLIGHT
BLACK BAFFLE
HIGH SOCKET SETTING
Light Source: 75R30FL 75 WATTS 900 LUMENS
R30 FLOOD
Ballast/Driver: -

Summary

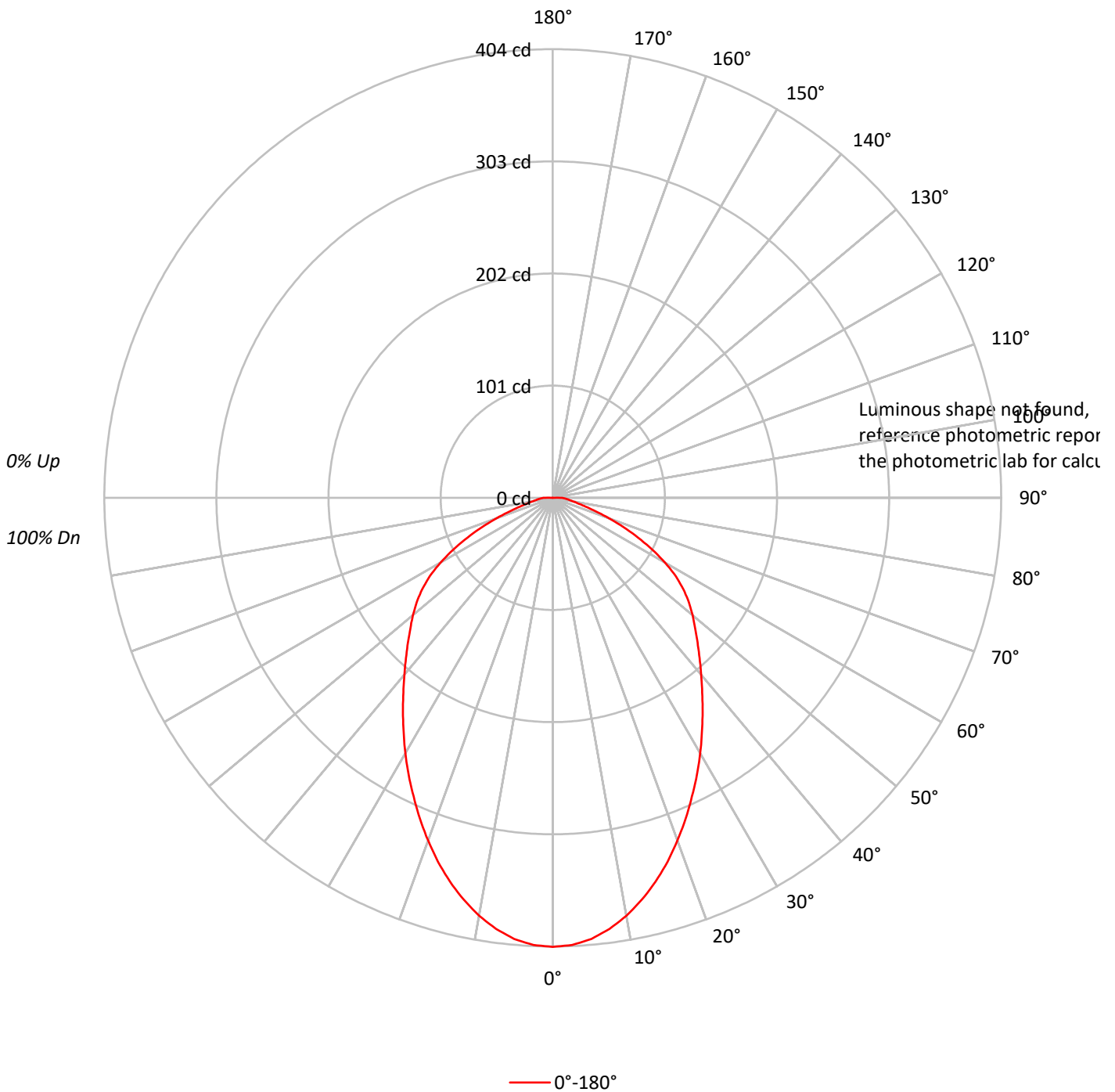
Lumens per Lamp: 900 (1 lamp)
Luminaire Lumens: 825.8 lumens
Efficiency: 91.8%
Efficacy: 11.0 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.14
Luminous Opening: (L: 0 ' x W: -0.38 ' x H: 0 '
CIE Type: Direct

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



TEST NUMBER: H36026
CATALOG NUMBER: H5-T 5010

Luminous Intensity Polar Plot



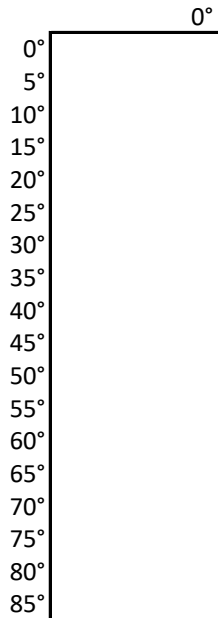


TEST NUMBER: H36026
 CATALOG NUMBER: H5-T 5010

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	109	109	109	109	107	107	107	107	102	102	102	98	98	98	94	94	94	92
1	101	97	93	90	98	94	91	88	91	88	85	87	85	83	84	82	80	78
2	92	85	79	75	90	83	78	74	80	76	72	77	74	70	75	71	69	67
3	85	76	69	63	82	74	68	62	71	66	61	69	64	60	67	63	59	57
4	78	68	60	54	76	66	59	54	64	58	53	62	57	52	60	55	52	50
5	72	61	53	47	70	60	52	47	58	51	46	56	50	46	54	49	45	44
6	67	55	47	42	65	54	47	41	53	46	41	51	45	41	50	44	40	39
7	62	50	43	37	61	49	42	37	48	42	37	47	41	36	46	40	36	34
8	58	46	39	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31
9	54	42	35	30	53	42	35	30	41	35	30	40	34	30	39	34	30	28
10	51	39	32	28	50	39	32	28	38	32	28	37	31	27	36	31	27	26

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: H36026
 CATALOG NUMBER: H5-T 5010

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	37.5	4.5	4.2
10°-20°	100.4	12.2	11.2
20°-30°	136.6	16.5	15.2
30°-40°	147.4	17.8	16.4
40°-50°	142.9	17.3	15.9
50°-60°	127.5	15.4	14.2
60°-70°	84.0	10.2	9.3
70°-80°	34.4	4.2	3.8
80°-90°	14.1	1.7	1.6
90°-100°	1.1	0.1	0.1
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°	274.5	33.2	30.5
0°-40°	421.9	51.1	46.9
0°-60°	692.2	83.8	76.9
0°-90°	824.7	99.9	91.6
90°-120°	1.1	0.1	0.1
90°-150°	1.1	0.1	0.1
90°-180°	1.0	0.1	0.1
0°-180°	825.8	100.0	91.8

CANDELA DISTRIBUTION:

	0°	Flux
0°	404	
5°	399	38
15°	358	100
25°	297	137
35°	235	147
45°	184	143
55°	144	127
65°	85	84
75°	30	34
85°	13	12
90°	8	4
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



TEST NUMBER: H36026
CATALOG NUMBER: H5-T 5010

CANDELA DISTRIBUTION (FULL):

0°	
0°	404.4
2.5°	403.0
5°	398.8
7.5°	391.5
10°	382.1
12.5°	370.7
15°	357.8
17.5°	343.7
20°	328.4
22.5°	312.8
25°	296.7
27.5°	281.3
30°	265.6
32.5°	250.0
35°	235.3
37.5°	221.0
40°	207.9
42.5°	195.7
45°	184.4
47.5°	174.0
50°	164.4
52.5°	154.5
55°	143.6
57.5°	131.4
60°	116.9
62.5°	101.2
65°	84.8
67.5°	68.9
70°	53.6
72.5°	40.5
75°	30.4
77.5°	23.5
80°	18.5
82.5°	15.1
85°	12.7
87.5°	10.7
90°	8.1
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



TEST NUMBER: H36026
CATALOG NUMBER: H5-T 5010

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)