

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: G3-1812-075-10

Luminaire Tested: **LCR6 2700K**

Test Date: 02/15/19



**Test Information**

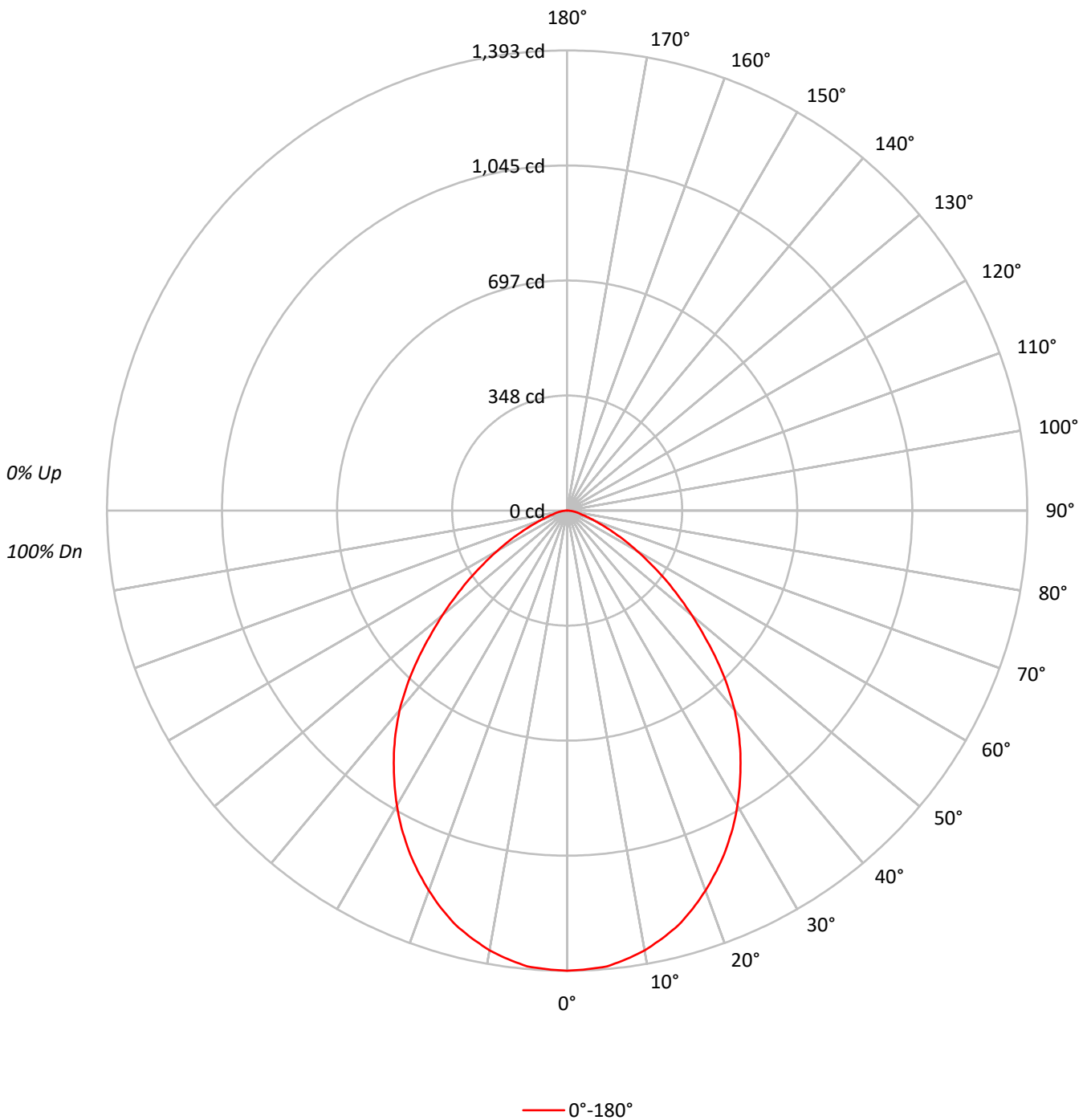
Test Method: LM-41-14  
Report Number: G3-1812-075-10  
Test Lab: INNOVATION CENTER(G3)  
Test Date: 02/15/19  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: LCR6 2700K  
Description: LCR 6INCH LED RECESSED FIXTURE 90CRI 2700K  
Light Source: LUMILEDS LEDS 90 CI 2700K  
3030-2D  
Ballast/Driver: (1) LDS ELECT DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2626.1 lumens  
Efficiency: N/A  
Efficacy: 97.6 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 26.9  
Input Voltage (V): 120.1  
Input Current (Ain): 0.227  
Voltage Rise (V): NR  
Power Factor: 0.9881  
Total Harmonic Distortion (THDi): 9.26%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 3 HR  
Ambient Temperature (°C): 24.7  
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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	107	104	101	108	105	102	99	101	98	96		97	95	93		94	92	90	89
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85	82	79	77
3	95	86	80	74	93	85	79	73	82	77	72		79	75	71		77	73	70	68
4	88	78	70	65	86	77	70	64	74	68	63		72	67	63		70	66	62	60
5	82	71	63	57	80	70	62	57	68	61	56		66	60	56		64	59	55	53
6	76	64	56	51	74	64	56	51	62	55	50		60	54	50		59	53	49	48
7	71	59	51	46	70	58	51	45	57	50	45		55	49	45		54	49	45	43
8	67	54	47	41	65	54	46	41	52	46	41		51	45	41		50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37		47	41	37		47	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34		44	38	34		43	38	34	32

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	76364
5°	76216
10°	75260
15°	73780
20°	71406
25°	68653
30°	65263
35°	61235
40°	56463
45°	49773
50°	42046
55°	34407
60°	26752
65°	19717
70°	13624
75°	9531
80°	8524
85°	7548



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.1	5.0
10°-20°	365.2	13.9
20°-30°	521.4	19.9
30°-40°	570.8	21.7
40°-50°	493.4	18.8
50°-60°	323.4	12.3
60°-70°	155.0	5.9
70°-80°	52.4	2.0
80°-90°	13.5	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1017.7	38.8
0°-40°	1588.4	60.5
0°-60°	2405.3	91.6
0°-90°	2626.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2626.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1393	
5°	1385	131
15°	1300	365
25°	1135	521
35°	915	571
45°	642	493
55°	360	323
65°	152	155
75°	45	52
85°	12	13
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1393
2.5°	1390
5°	1385
7.5°	1370
10°	1352
12.5°	1327
15°	1300
17.5°	1264
20°	1224
22.5°	1181
25°	1135
27.5°	1085
30°	1031
32.5°	974
35°	915
37.5°	854
40°	789
42.5°	718
45°	642
47.5°	564
50°	493
52.5°	424
55°	360
57.5°	299
60°	244
62.5°	196
65°	152
67.5°	116
70°	85
72.5°	62
75°	45
77.5°	36
80°	27
82.5°	19
85°	12
87.5°	5
90°	0

(END OF REPORT)