

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: P121912

Luminaire Tested: **RA5606930NFLWH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P121912
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (3030)
Test Lab: TUV SUD America
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: RA5606930NFLWH
Description: HALO 5" AND 6" ADJUSTABLE LED MODULE
WITH WHITE TRIM AND NARROW FLOOD REFRACTOR LENS
Light Source: (1) HIGH LUMEN LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

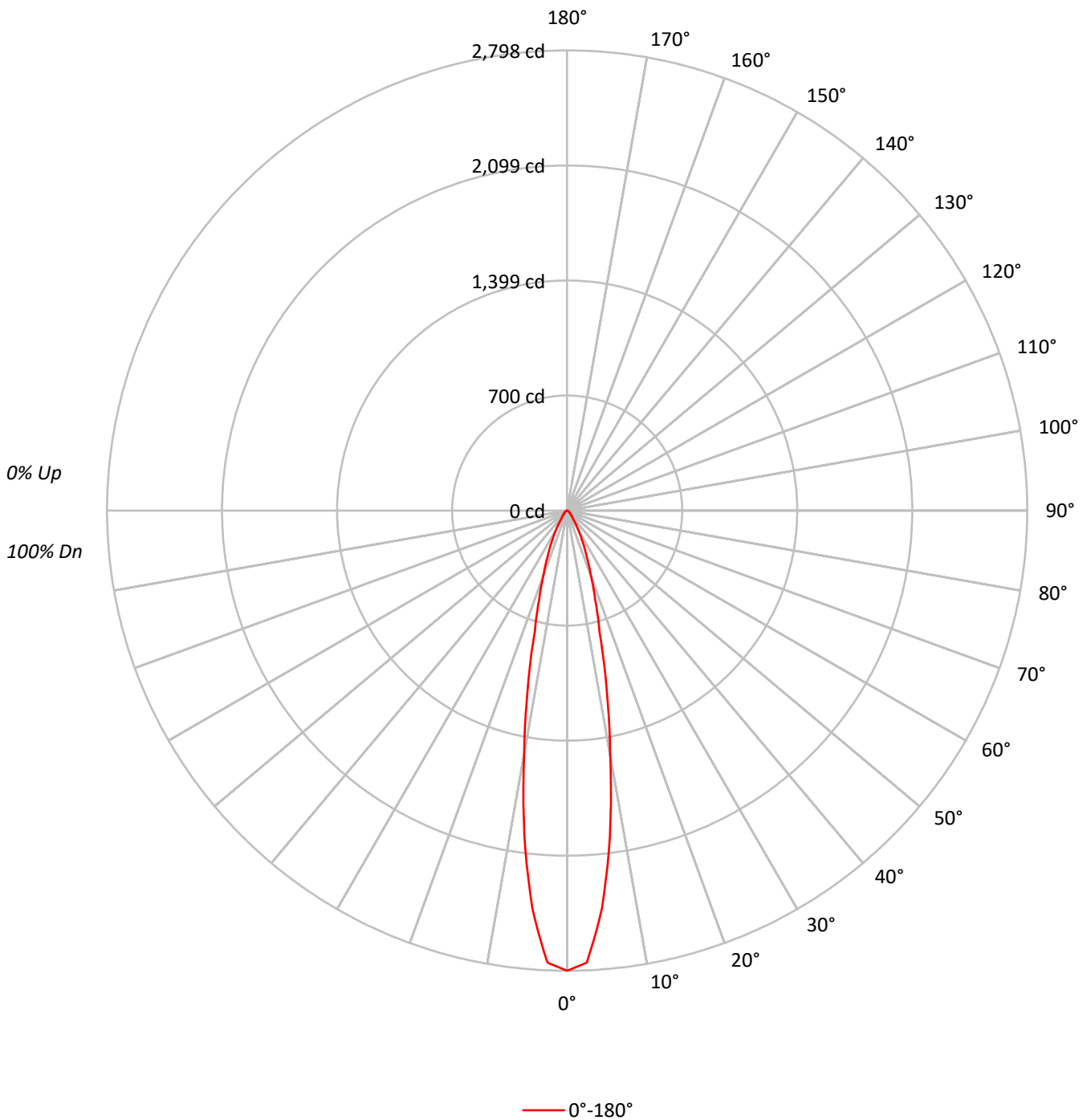
Lumens per Lamp: N/A
Luminaire Lumens: 640.4 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.38
Luminous Opening: Vertical Cylinder (Dia: 0.28' x H: 0.1')
CIE Type: Direct

Input Watts (W): 10
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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96		98	96	94		95	93	92	90
3	105	100	96	92	103	99	95	92	96	93	90		94	91	89		92	89	87	86
4	101	95	91	87	100	94	90	86	92	88	85		90	87	85		88	86	84	82
5	98	91	86	83	96	90	85	82	88	84	81		87	83	81		85	82	80	79
6	94	87	82	79	93	86	82	78	85	81	78		84	80	77		82	79	77	76
7	91	84	79	75	90	83	78	75	82	78	75		81	77	75		80	77	74	73
8	88	81	76	73	87	80	76	72	79	75	72		78	75	72		77	74	72	70
9	85	78	73	70	85	77	73	70	77	72	70		76	72	69		75	72	69	68
10	83	75	71	68	82	75	71	68	74	70	67		73	70	67		73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	490194
5°	410646
10°	247834
15°	122556
20°	67985
25°	39025
30°	21485
35°	11419
40°	6869
45°	4751
50°	3782
55°	3055
60°	2430
65°	1909
70°	1502
75°	853
80°	394
85°	97



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.0	31.5
10°-20°	225.0	35.1
20°-30°	115.4	18.0
30°-40°	47.2	7.4
40°-50°	22.4	3.5
50°-60°	14.8	2.3
60°-70°	9.1	1.4
70°-80°	3.9	0.6
80°-90°	0.5	0.1
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°	542.3	84.7
0°-40°	589.5	92.1
0°-60°	626.8	97.9
0°-90°	640.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	640.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2798	
5°	2428	202
15°	758	225
25°	245	115
35°	70	47
45°	28	22
55°	16	15
65°	9	9
75°	3	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2797.5
2.5°	2750.5
5°	2427.6
7.5°	1994.5
10°	1504.7
12.5°	1106.6
15°	758.0
17.5°	565.5
20°	425.0
22.5°	322.7
25°	244.7
27.5°	183.6
30°	134.1
32.5°	96.1
35°	70.4
37.5°	53.4
40°	41.5
42.5°	33.2
45°	27.9
47.5°	24.4
50°	21.4
52.5°	18.8
55°	16.5
57.5°	14.3
60°	12.4
62.5°	10.6
65°	9.1
67.5°	7.7
70°	6.6
72.5°	5.3
75°	3.4
77.5°	2.3
80°	1.4
82.5°	0.8
85°	0.3
87.5°	0.2
90°	0.0

(END OF REPORT)