

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: P121911

Luminaire Tested: **RA5606927NFLWH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P121911
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: RA5606927NFLWH
Description: HALO 5" AND 6" ADJUSTABLE LED MODULE
WITH WHITE TRIM AND NARROW FLOOD REFRACTOR LENS
Light Source: (1) HIGH LUMEN LED 2700K
Ballast/Driver: ELECTRONIC DRIVER

Summary

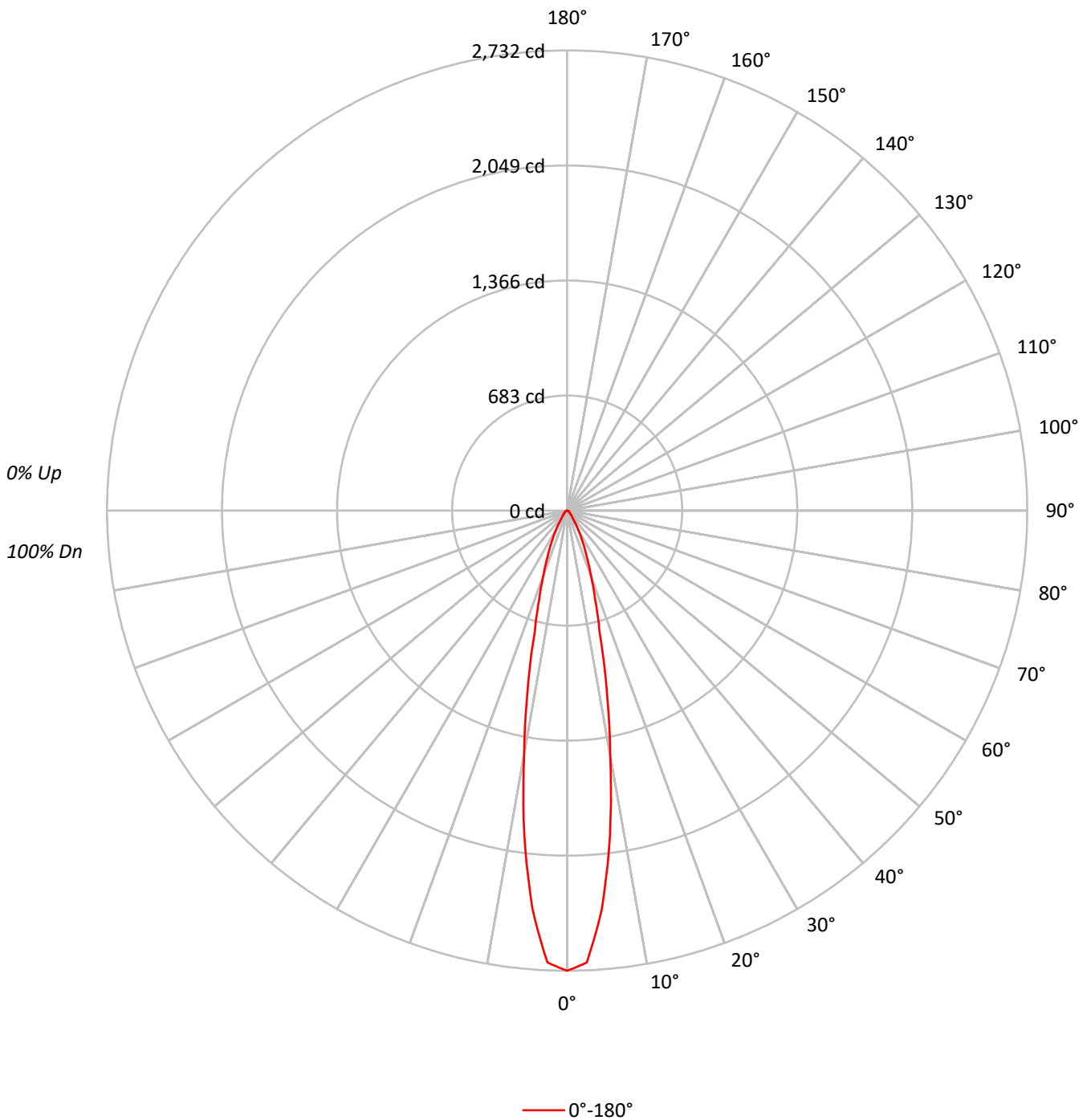
Lumens per Lamp: N/A
Luminaire Lumens: 625.4 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.38
Luminous Opening: Vertical Cylinder (Dia: 0.28' x H: 0.1')
CIE Type: Direct

Input Watts (W): 10
Input Voltage (V): NR
Input Current (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	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	86	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	79	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°	478699
5°	401021
10°	242037
15°	119678
20°	66385
25°	38116
30°	20989
35°	11143
40°	6720
45°	4649
50°	3693
55°	2981
60°	2371
65°	1846
70°	1457
75°	828
80°	366
85°	97



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.2	31.5
10°-20°	219.7	35.1
20°-30°	112.7	18.0
30°-40°	46.1	7.4
40°-50°	21.9	3.5
50°-60°	14.5	2.3
60°-70°	8.9	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°	529.6	84.7
0°-40°	575.7	92.1
0°-60°	612.1	97.9
0°-90°	625.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	625.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2732	
5°	2371	197
15°	740	220
25°	239	113
35°	69	46
45°	27	22
55°	16	15
65°	9	9
75°	3	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2731.9
2.5°	2686.0
5°	2370.7
7.5°	1947.8
10°	1469.5
12.5°	1080.6
15°	740.2
17.5°	552.2
20°	415.0
22.5°	315.2
25°	239.0
27.5°	179.3
30°	131.0
32.5°	93.9
35°	68.7
37.5°	52.1
40°	40.6
42.5°	32.4
45°	27.3
47.5°	23.8
50°	20.9
52.5°	18.4
55°	16.1
57.5°	14.0
60°	12.1
62.5°	10.3
65°	8.8
67.5°	7.5
70°	6.4
72.5°	5.2
75°	3.3
77.5°	2.3
80°	1.3
82.5°	0.7
85°	0.3
87.5°	0.2
90°	0.0

(END OF REPORT)