

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: P239172

Luminaire Tested: **RA56069S1EWH-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P239172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1803-688-2)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: RA56069S1EWH-3000K
Description: 5/6" LED Adjustable Gimbal, CCT Selectable
Light Source: (24) 3000K CCT, 93 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

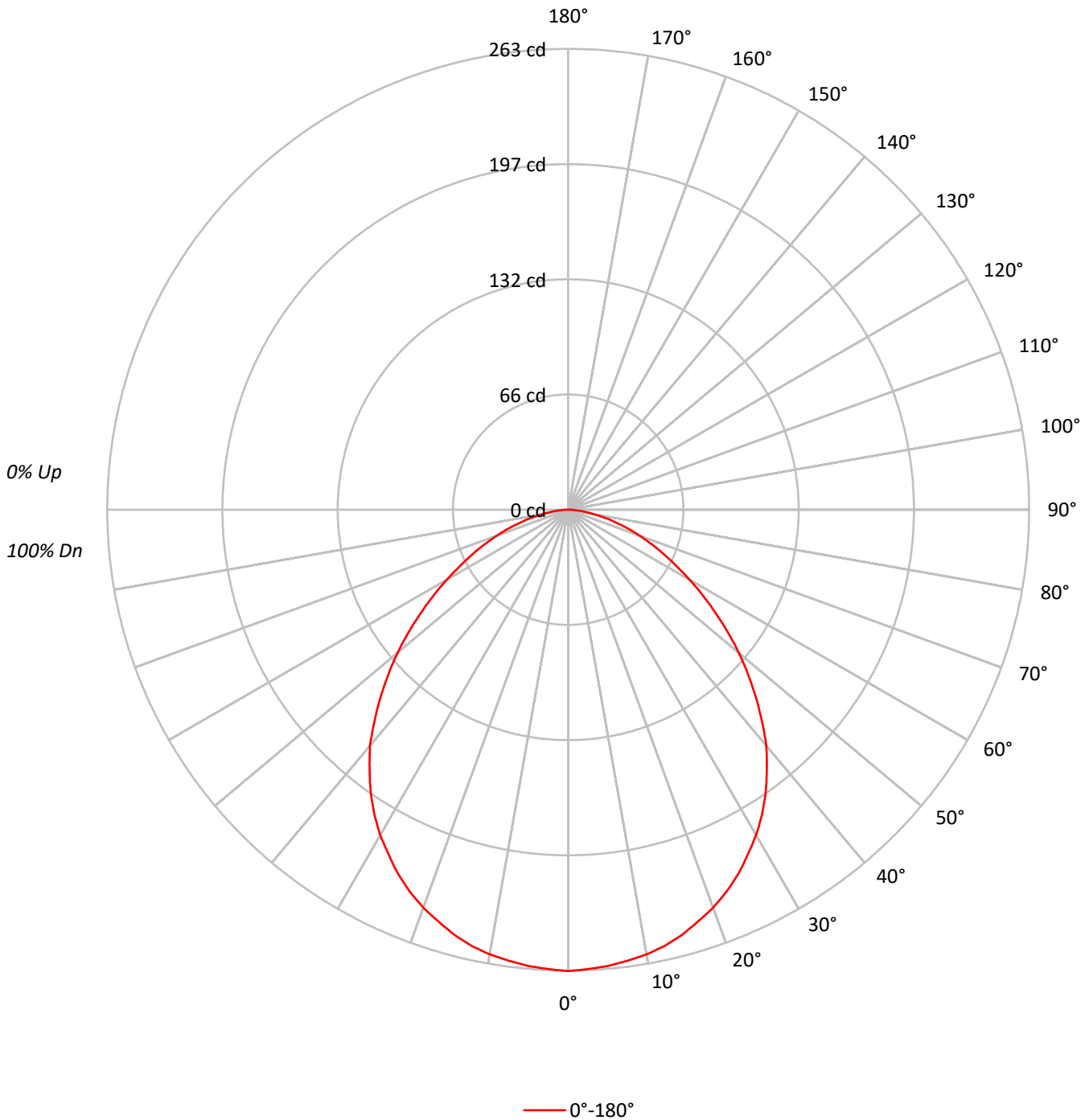
Lumens per Lamp: N/A
Luminaire Lumens: 629.9 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 7
Input Voltage (V): 120
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	110	105	102	98	107	103	100	96	99	96	93		95	93	91		92	90	88	86
2	101	93	87	81	98	91	85	80	88	83	79		84	80	77		81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67		75	70	66		73	68	65	63
4	85	74	65	59	83	72	65	59	70	63	58		68	62	57		65	60	56	54
5	78	66	58	51	76	65	57	51	63	56	50		61	55	50		59	54	49	47
6	73	60	51	45	71	59	51	45	57	50	45		55	49	44		54	48	44	42
7	67	54	46	40	66	54	46	40	52	45	40		51	44	39		49	44	39	37
8	63	50	42	36	61	49	41	36	48	41	36		47	40	36		46	40	35	33
9	59	46	38	33	57	45	38	32	44	37	32		43	37	32		42	36	32	30
10	55	42	35	30	54	42	35	30	41	34	29		40	34	29		39	33	29	28

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32477
5°	32366
10°	32277
15°	32065
20°	31726
25°	31234
30°	30536
35°	29588
40°	28323
45°	26410
50°	24370
55°	22042
60°	19711
65°	17570
70°	15616
75°	13439
80°	10655
85°	7925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	3.9
10°-20°	70.8	11.2
20°-30°	105.6	16.8
30°-40°	122.6	19.5
40°-50°	116.7	18.5
50°-60°	92.0	14.6
60°-70°	60.1	9.5
70°-80°	30.2	4.8
80°-90°	7.1	1.1
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°	201.2	31.9
0°-40°	323.8	51.4
0°-60°	532.5	84.5
0°-90°	629.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	629.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	263	
5°	261	25
15°	251	71
25°	230	106
35°	196	123
45°	151	117
55°	102	92
65°	60	60
75°	28	30
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	263.3
2.5°	262.4
5°	261.4
7.5°	259.6
10°	257.7
12.5°	254.9
15°	251.1
17.5°	246.4
20°	241.7
22.5°	236.0
25°	229.5
27.5°	221.9
30°	214.4
32.5°	205.9
35°	196.5
37.5°	186.2
40°	175.9
42.5°	163.6
45°	151.4
47.5°	139.2
50°	127.0
52.5°	114.7
55°	102.5
57.5°	91.2
60°	79.9
62.5°	69.6
65°	60.2
67.5°	51.7
70°	43.3
72.5°	35.7
75°	28.2
77.5°	21.6
80°	15.0
82.5°	10.3
85°	5.6
87.5°	2.8
90°	0.0

(END OF REPORT)