

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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 COMMERCIAL

Report Number: P581660

Luminaire Tested: **HCC6S10D010MW-HM60525935-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581660
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S10D010MW-HM60525935-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

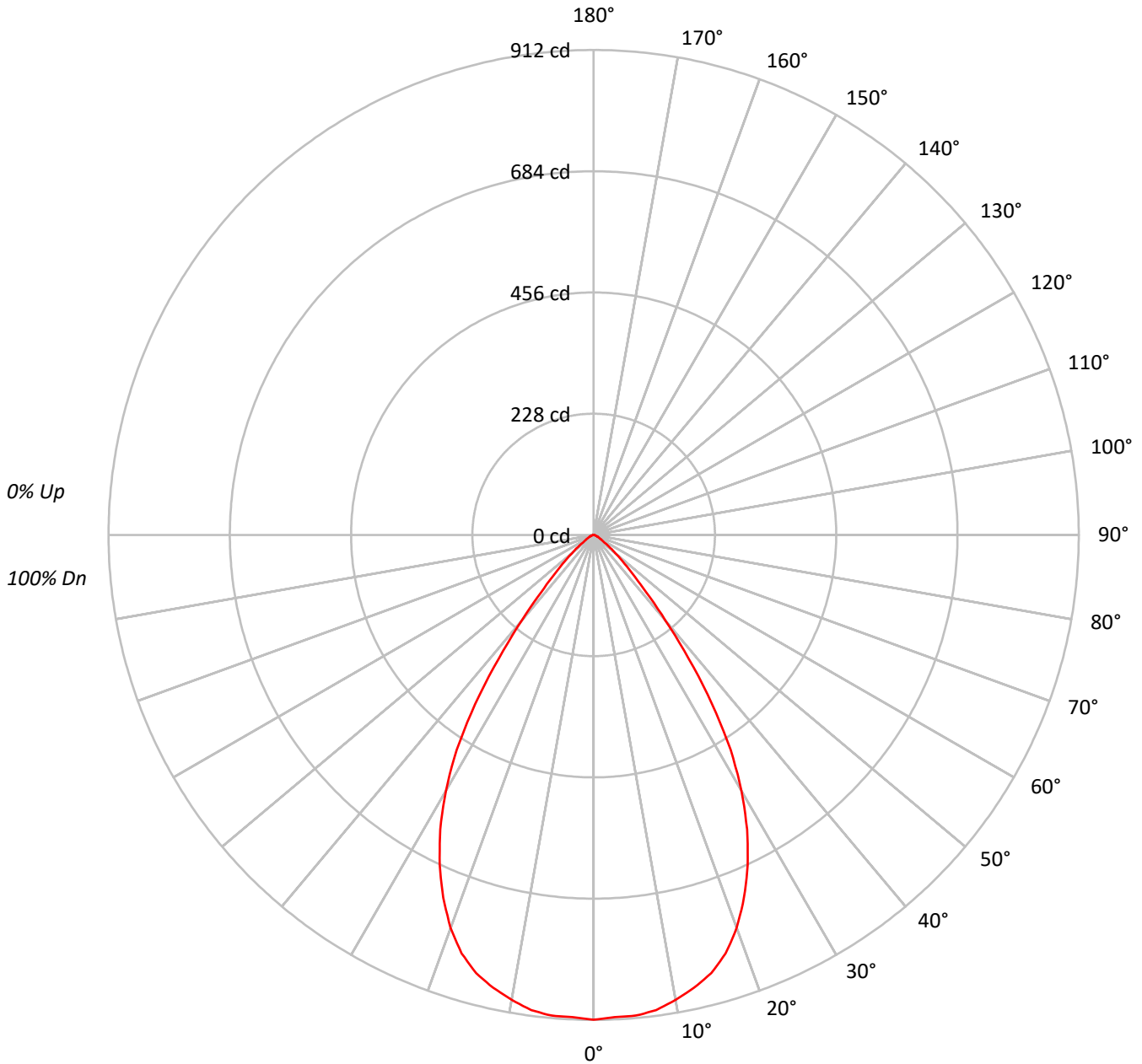
Lumens per Lamp: N/A
Luminaire Lumens: 998.1 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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									50									30									10									0								
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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	100	99	97	97	96	94	94	93	93	91	91	89	89	87	87	85										
	1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93	93	91	89	89	87	85	85	83	83	81	81	79	79	77	77	72										
	2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	83	81	81	79	77	77	75	75	73	73	71	71	67	67	62										
	3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79	79	77	75	75	73	72	72	70	70	68	68	66	66	64	64	62										
	4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72	72	70	70	68	68	67	67	65	65	63	63	61	61	59	59	57										
	5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67	67	65	65	63	63	62	62	60	60	58	58	56	56	54	54	52										
	6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62	62	60	60	58	58	57	57	55	55	53	53	51	51	49	49	47										
	7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57	57	55	55	53	53	52	52	50	50	48	48	46	46	44	44	42										
	8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	53	51	51	49	49	47	47	45	45	43	43	41	41	39	39	37										
	9	73	62	56	52	72	62	56	52	61	56	52	60	55	51	59	55	51	50	50	48	48	46	46	44	44	42	42	40	40	38	38	36	36	34										
	10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47	47	45	45	43	43	41	41	39	39	37	37	35	35	33	33	31										

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49980
5°	49939
10°	49420
15°	48428
20°	45871
25°	41428
30°	35189
35°	25986
40°	15028
45°	7978
50°	4512
55°	2361
60°	1535
65°	1103
70°	801
75°	593
80°	442
85°	440



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	8.6
10°-20°	238.7	23.9
20°-30°	311.5	31.2
30°-40°	238.1	23.9
40°-50°	86.2	8.6
50°-60°	25.1	2.5
60°-70°	9.0	0.9
70°-80°	3.1	0.3
80°-90°	0.6	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°	636.1	63.7
0°-40°	874.2	87.6
0°-60°	985.5	98.7
0°-90°	998.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	998.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	912	
5°	908	86
15°	853	239
25°	685	311
35°	388	238
45°	103	86
55°	25	25
65°	8	9
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	911.7
2.5°	907.5
5°	907.5
7.5°	901.2
10°	887.8
12.5°	872.3
15°	853.3
17.5°	825.1
20°	786.3
22.5°	738.4
25°	684.9
27.5°	624.3
30°	555.9
32.5°	479.2
35°	388.3
37.5°	293.1
40°	210.0
42.5°	145.1
45°	102.9
47.5°	74.0
50°	52.9
52.5°	37.4
55°	24.7
57.5°	17.7
60°	14.0
62.5°	11.3
65°	8.5
67.5°	7.0
70°	5.0
72.5°	3.5
75°	2.8
77.5°	2.2
80°	1.4
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)