

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: P581644

Luminaire Tested: **HCC6W10D010MB-HM60525930-61NDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W10D010MB-HM60525930-61NDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

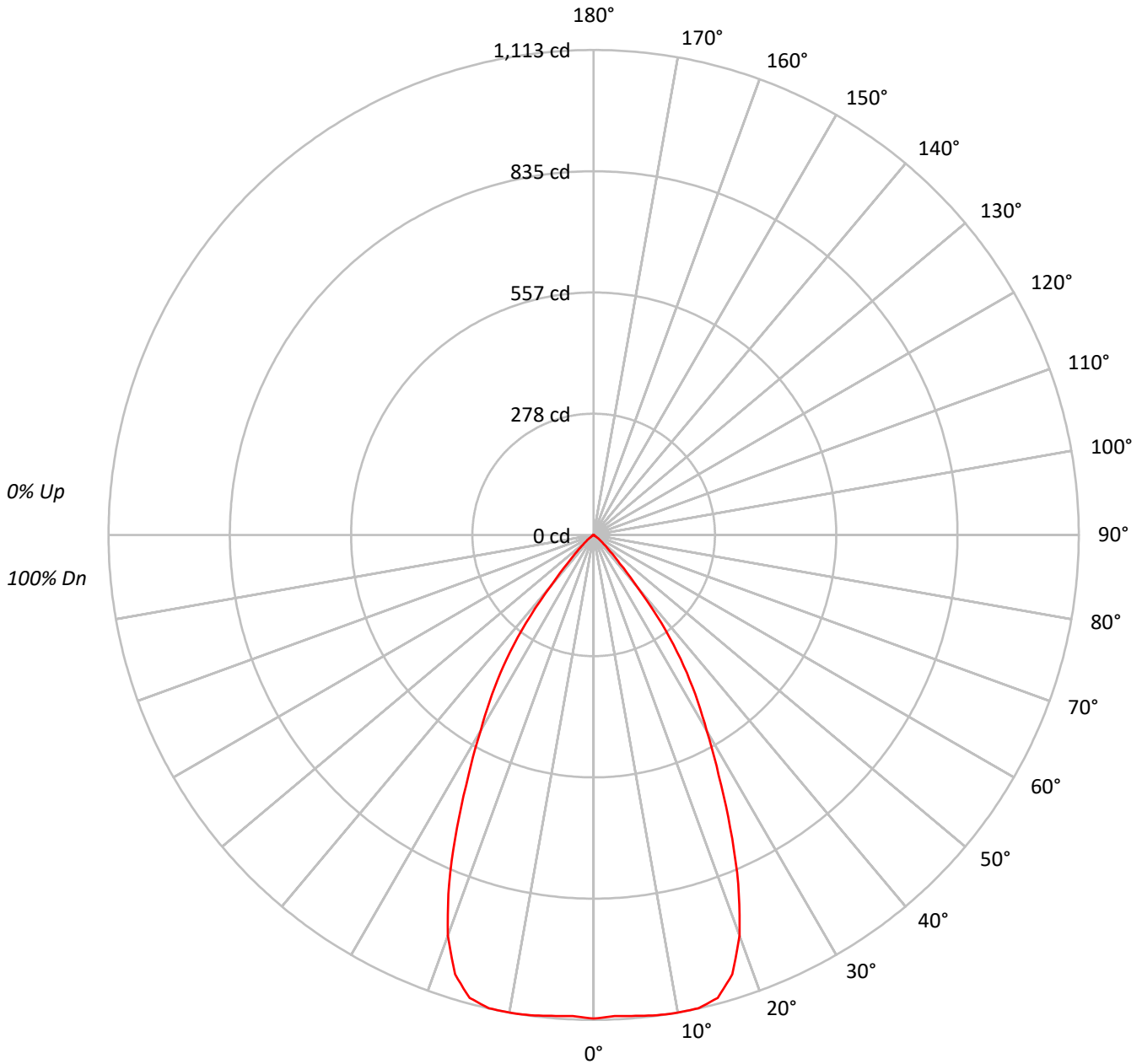
Lumens per Lamp: N/A
Luminaire Lumens: 1019.0 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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	111	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	99	96	106	102	98	95	98	96	93	96	93	91	93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76
5	93	85	79	75	91	84	78	75	82	77	74	80	76	73	79	75	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	63	60	67	63	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60845
5°	60973
10°	61973
15°	62429
20°	57067
25°	44839
30°	32828
35°	23283
40°	11006
45°	4202
50°	1885
55°	507
60°	219
65°	182
70°	112
75°	148
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.0	10.4
10°-20°	304.0	29.8
20°-30°	338.2	33.2
30°-40°	211.3	20.7
40°-50°	50.2	4.9
50°-60°	7.2	0.7
60°-70°	1.5	0.1
70°-80°	0.6	0.1
80°-90°	0.0	0.0
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°	748.2	73.4
0°-40°	959.4	94.2
0°-60°	1016.8	99.8
0°-90°	1019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1019.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1110	
5°	1108	106
15°	1100	304
25°	741	338
35°	348	211
45°	54	50
55°	5	7
65°	1	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1109.9
2.5°	1105.3
5°	1108.0
7.5°	1112.0
10°	1113.3
12.5°	1112.6
15°	1100.0
17.5°	1057.1
20°	978.2
22.5°	867.1
25°	741.3
27.5°	620.9
30°	518.6
32.5°	433.6
35°	347.9
37.5°	255.6
40°	153.8
42.5°	89.0
45°	54.2
47.5°	34.8
50°	22.1
52.5°	12.7
55°	5.3
57.5°	2.7
60°	2.0
62.5°	2.0
65°	1.4
67.5°	1.4
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.0
82.5°	0.0
85°	0.0
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)