

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: P581913

Luminaire Tested: **HCC6W20D010BZ-HM60525927-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581913
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W20D010BZ-HM60525927-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

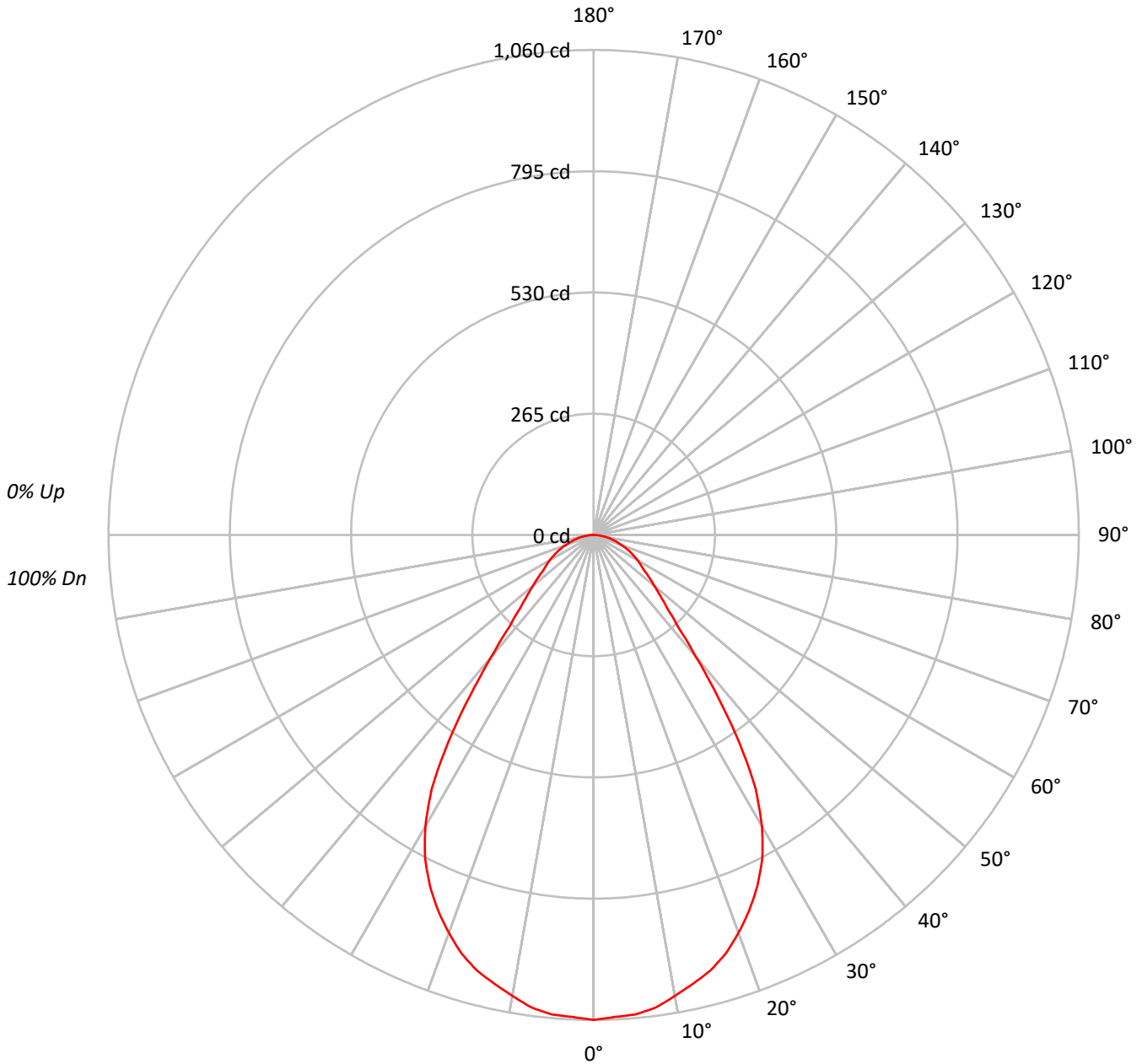
Lumens per Lamp: N/A
Luminaire Lumens: 1561.1 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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	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
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58109
5°	57902
10°	56935
15°	55931
20°	53992
25°	51203
30°	46577
35°	37216
40°	24825
45°	17700
50°	14746
55°	12855
60°	12148
65°	11428
70°	10515
75°	9807
80°	8903
85°	7862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	6.4
10°-20°	276.7	17.7
20°-30°	386.7	24.8
30°-40°	340.6	21.8
40°-50°	184.0	11.8
50°-60°	123.0	7.9
60°-70°	87.2	5.6
70°-80°	49.0	3.1
80°-90°	14.3	0.9
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°	762.9	48.9
0°-40°	1103.5	70.7
0°-60°	1410.6	90.4
0°-90°	1561.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1561.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1060	
5°	1052	100
15°	986	277
25°	846	387
35°	556	341
45°	228	184
55°	134	123
65°	88	87
75°	46	49
85°	12	14
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1060.0
2.5°	1054.5
5°	1052.2
7.5°	1042.0
10°	1022.8
12.5°	1004.7
15°	985.5
17.5°	959.5
20°	925.5
22.5°	888.3
25°	846.5
27.5°	797.9
30°	735.8
32.5°	658.8
35°	556.1
37.5°	444.1
40°	346.9
42.5°	273.5
45°	228.3
47.5°	197.8
50°	172.9
52.5°	152.6
55°	134.5
57.5°	122.0
60°	110.8
62.5°	99.5
65°	88.1
67.5°	76.8
70°	65.6
72.5°	55.4
75°	46.3
77.5°	37.3
80°	28.2
82.5°	20.4
85°	12.5
87.5°	5.7
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)