

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: P581934

Luminaire Tested: **HCC6W20D010BZ-HM60525930-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581934
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W20D010BZ-HM60525930-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

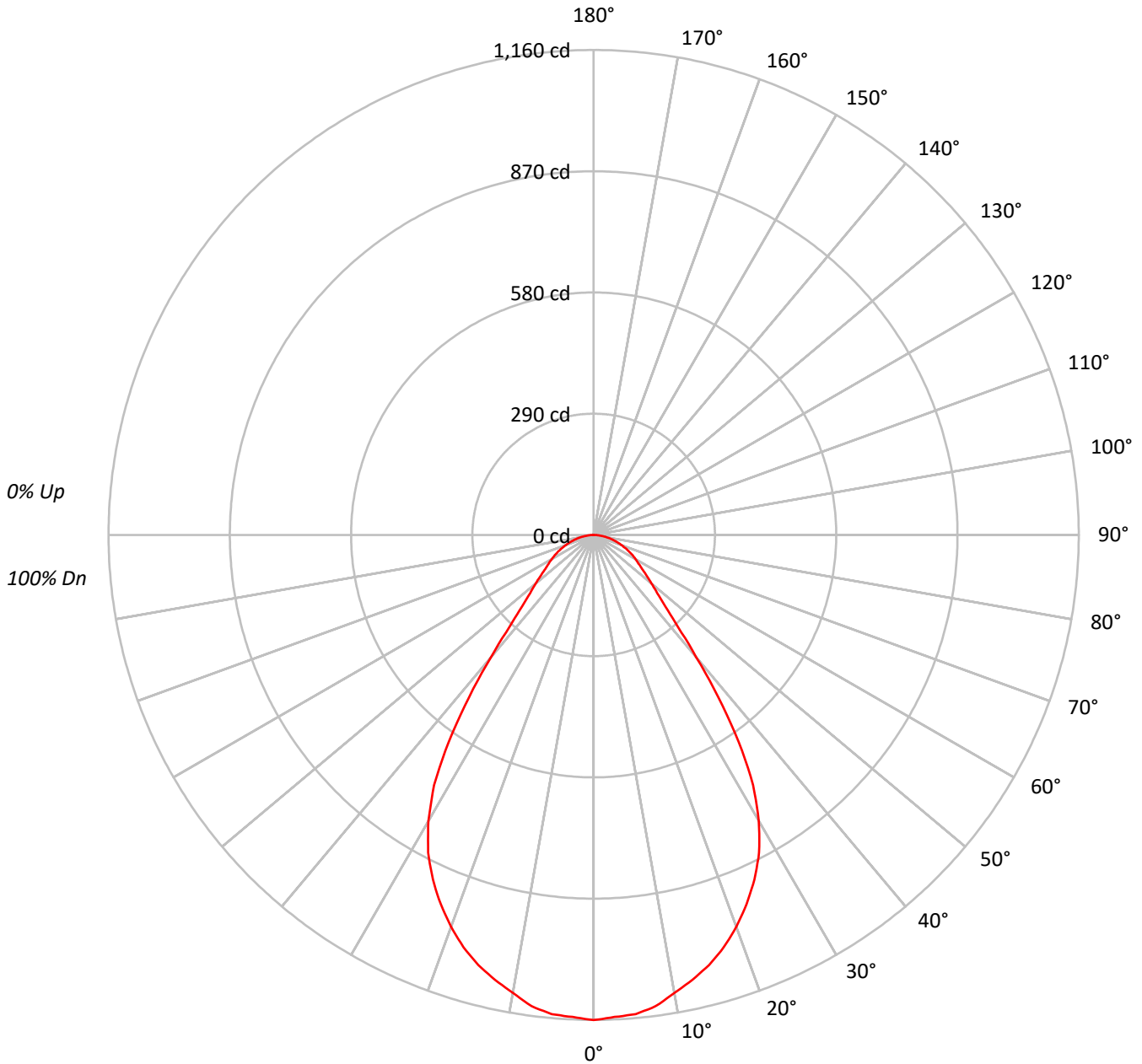
Lumens per Lamp: N/A
Luminaire Lumens: 1679.6 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	63613
5°	63317
10°	61917
15°	60466
20°	58193
25°	55031
30°	50008
35°	40482
40°	27301
45°	18762
50°	15377
55°	13448
60°	12718
65°	12012
70°	11284
75°	10718
80°	9723
85°	8554



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.6	6.5
10°-20°	299.2	17.8
20°-30°	415.7	24.7
30°-40°	370.1	22.0
40°-50°	196.5	11.7
50°-60°	128.5	7.6
60°-70°	92.1	5.5
70°-80°	53.4	3.2
80°-90°	15.6	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°	823.5	49.0
0°-40°	1193.6	71.1
0°-60°	1518.5	90.4
0°-90°	1679.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1679.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1160	
5°	1151	109
15°	1065	299
25°	910	416
35°	605	370
45°	242	196
55°	141	128
65°	93	92
75°	51	53
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1160.4
2.5°	1154.2
5°	1150.6
7.5°	1137.0
10°	1112.3
12.5°	1090.1
15°	1065.4
17.5°	1034.5
20°	997.5
22.5°	955.5
25°	909.8
27.5°	856.8
30°	790.0
32.5°	709.8
35°	604.9
37.5°	488.9
40°	381.5
42.5°	296.3
45°	242.0
47.5°	206.2
50°	180.3
52.5°	159.3
55°	140.7
57.5°	127.1
60°	116.0
62.5°	104.9
65°	92.6
67.5°	81.5
70°	70.4
72.5°	60.5
75°	50.6
77.5°	40.8
80°	30.8
82.5°	22.2
85°	13.6
87.5°	6.1
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)