

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: P581911

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W20D010BZ-HM60525927-61MDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

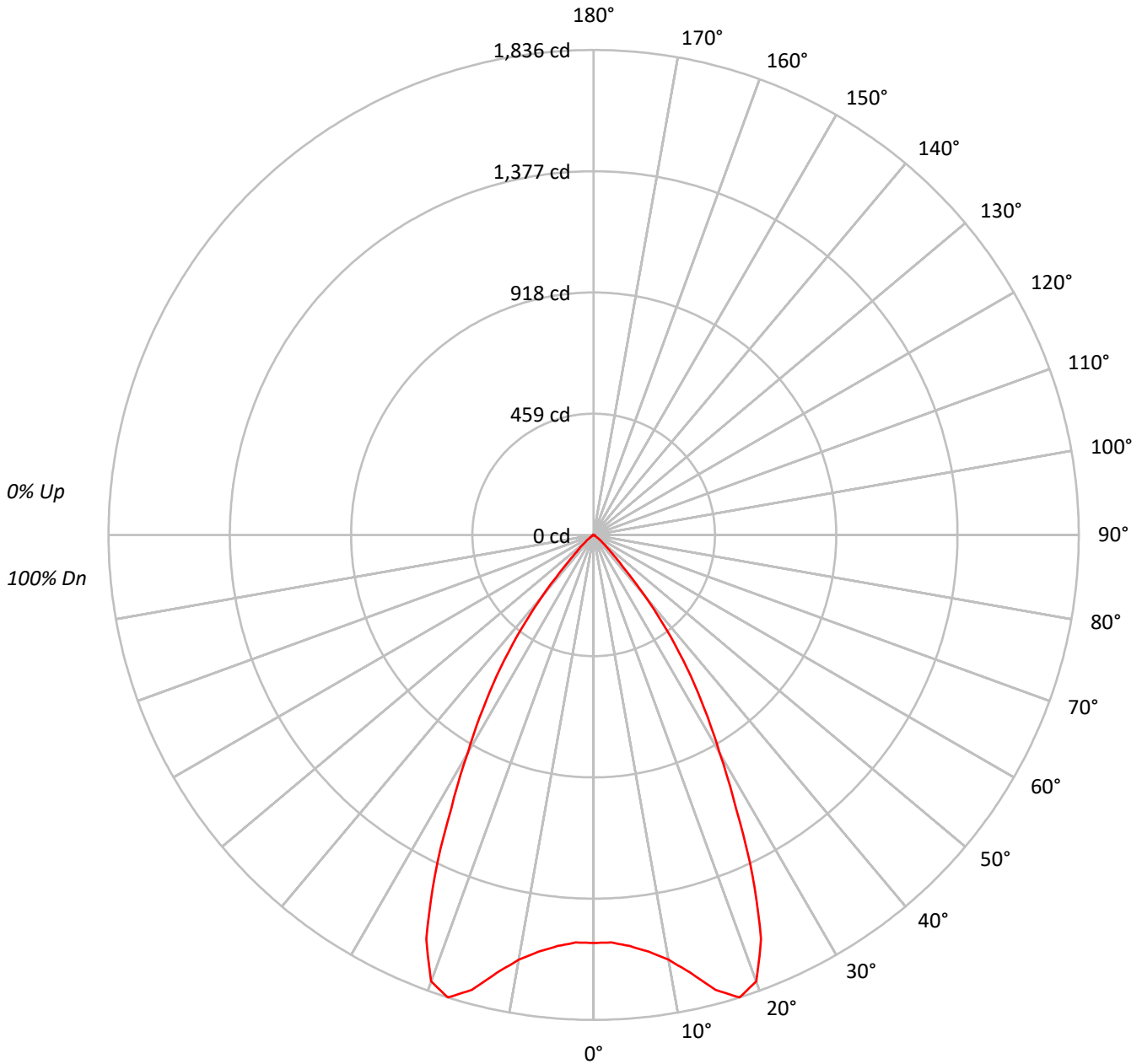
Lumens per Lamp: N/A
Luminaire Lumens: 1782.7 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.96
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	63	72	67	63	71	66	63	70	66	62	61
8	79	70	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84659
5°	85973
10°	90869
15°	101181
20°	104927
25°	86092
30°	60326
35°	41158
40°	21440
45°	7536
50°	3369
55°	1080
60°	625
65°	441
70°	369
75°	233
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.3	8.5
10°-20°	501.4	28.1
20°-30°	638.4	35.8
30°-40°	380.5	21.3
40°-50°	92.3	5.2
50°-60°	14.2	0.8
60°-70°	3.5	0.2
70°-80°	1.2	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°	1291.1	72.4
0°-40°	1671.6	93.8
0°-60°	1778.0	99.7
0°-90°	1782.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1782.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1544	
5°	1562	151
15°	1783	501
25°	1423	638
35°	615	380
45°	97	92
55°	11	14
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1544.3
2.5°	1544.3
5°	1562.3
7.5°	1590.6
10°	1632.4
12.5°	1698.0
15°	1782.8
17.5°	1835.9
20°	1798.6
22.5°	1655.0
25°	1423.3
27.5°	1167.8
30°	953.0
32.5°	778.9
35°	615.0
37.5°	453.3
40°	299.6
42.5°	161.7
45°	97.2
47.5°	61.1
50°	39.5
52.5°	23.8
55°	11.3
57.5°	6.8
60°	5.7
62.5°	4.5
65°	3.4
67.5°	2.3
70°	2.3
72.5°	1.1
75°	1.1
77.5°	1.1
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)