

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: P581885

Luminaire Tested: **HCC6W20D010BZ-HM60525835-61WDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W20D010BZ-HM60525835-61WDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

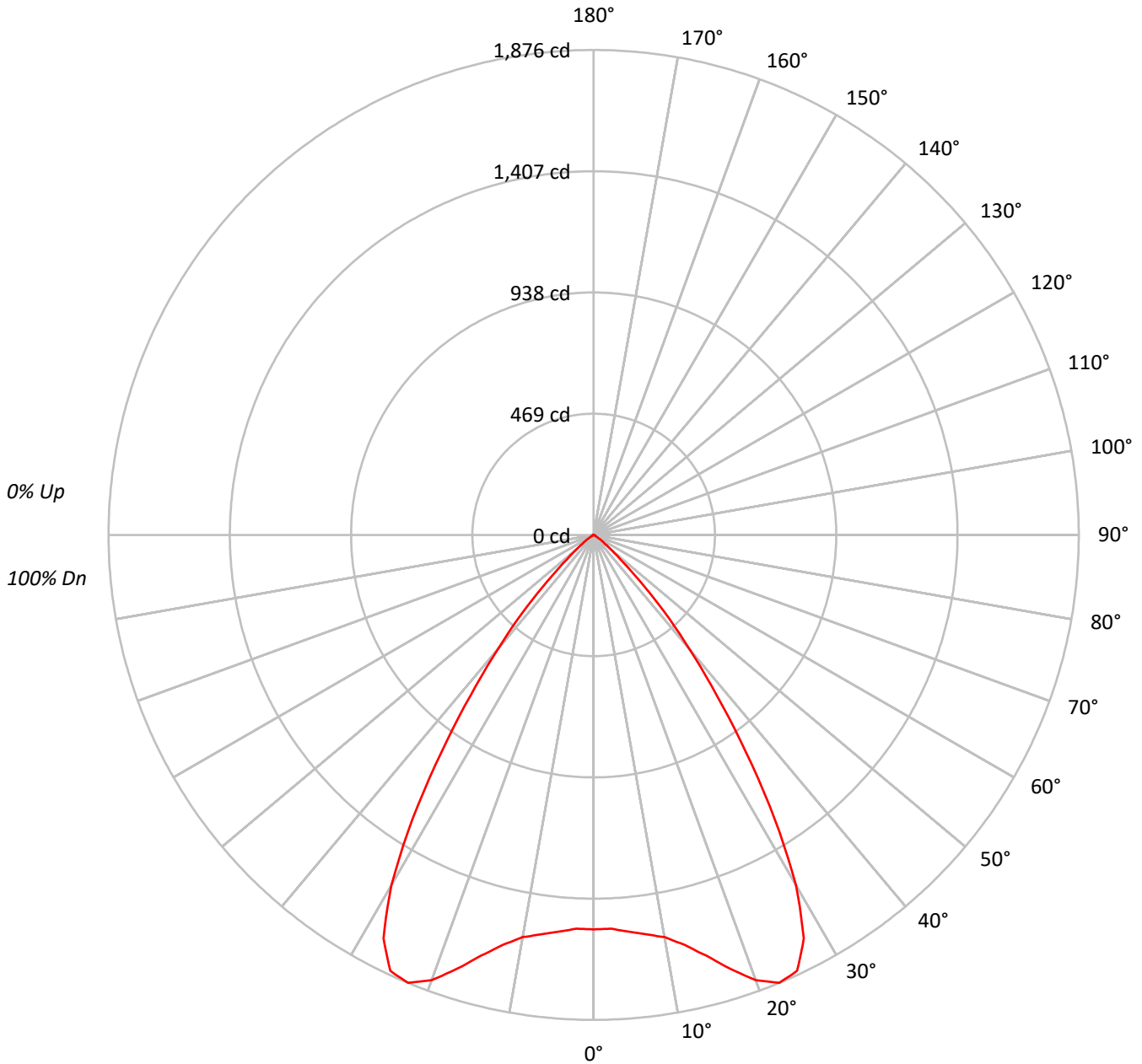
Lumens per Lamp: N/A
Luminaire Lumens: 2359.4 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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	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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93																																				
2	107	102	97	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85																																				
3	101	94	89	85	99	93	88	84	90	86	82	88	84	81	85	82	80	78																																				
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	74	72																																				
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66																																				
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																																				
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56																																				
8	76	65	59	54	74	65	59	54	64	58	54	62	57	54	61	57	53	52																																				
9	71	61	55	50	70	60	54	50	60	54	50	59	53	50	58	53	50	48																																				
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	50	46	45																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83645
5°	84768
10°	87946
15°	95642
20°	106934
25°	112549
30°	99079
35°	68730
40°	41034
45°	19506
50°	7360
55°	3078
60°	954
65°	765
70°	465
75°	318
80°	474
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.3	6.3
10°-20°	483.9	20.5
20°-30°	829.2	35.1
30°-40°	644.0	27.3
40°-50°	212.9	9.0
50°-60°	32.7	1.4
60°-70°	5.8	0.2
70°-80°	2.1	0.1
80°-90°	0.6	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°	1461.4	61.9
0°-40°	2105.3	89.2
0°-60°	2350.9	99.6
0°-90°	2359.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2359.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1526	
5°	1540	148
15°	1685	484
25°	1861	829
35°	1027	644
45°	252	213
55°	32	33
65°	6	6
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1525.8
2.5°	1524.3
5°	1540.4
7.5°	1558.0
10°	1579.9
12.5°	1623.8
15°	1685.2
17.5°	1759.9
20°	1833.0
22.5°	1875.5
25°	1860.7
27.5°	1759.9
30°	1565.2
32.5°	1303.4
35°	1027.0
37.5°	779.7
40°	573.4
42.5°	405.2
45°	251.6
47.5°	140.5
50°	86.3
52.5°	52.7
55°	32.2
57.5°	16.1
60°	8.7
62.5°	7.4
65°	5.9
67.5°	4.4
70°	2.9
72.5°	2.9
75°	1.5
77.5°	1.5
80°	1.5
82.5°	1.5
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)