

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: P581851

Luminaire Tested: **HCC6W20D010BZ-HM60525827-61WDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581851  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W20D010BZ-HM60525827-61WDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

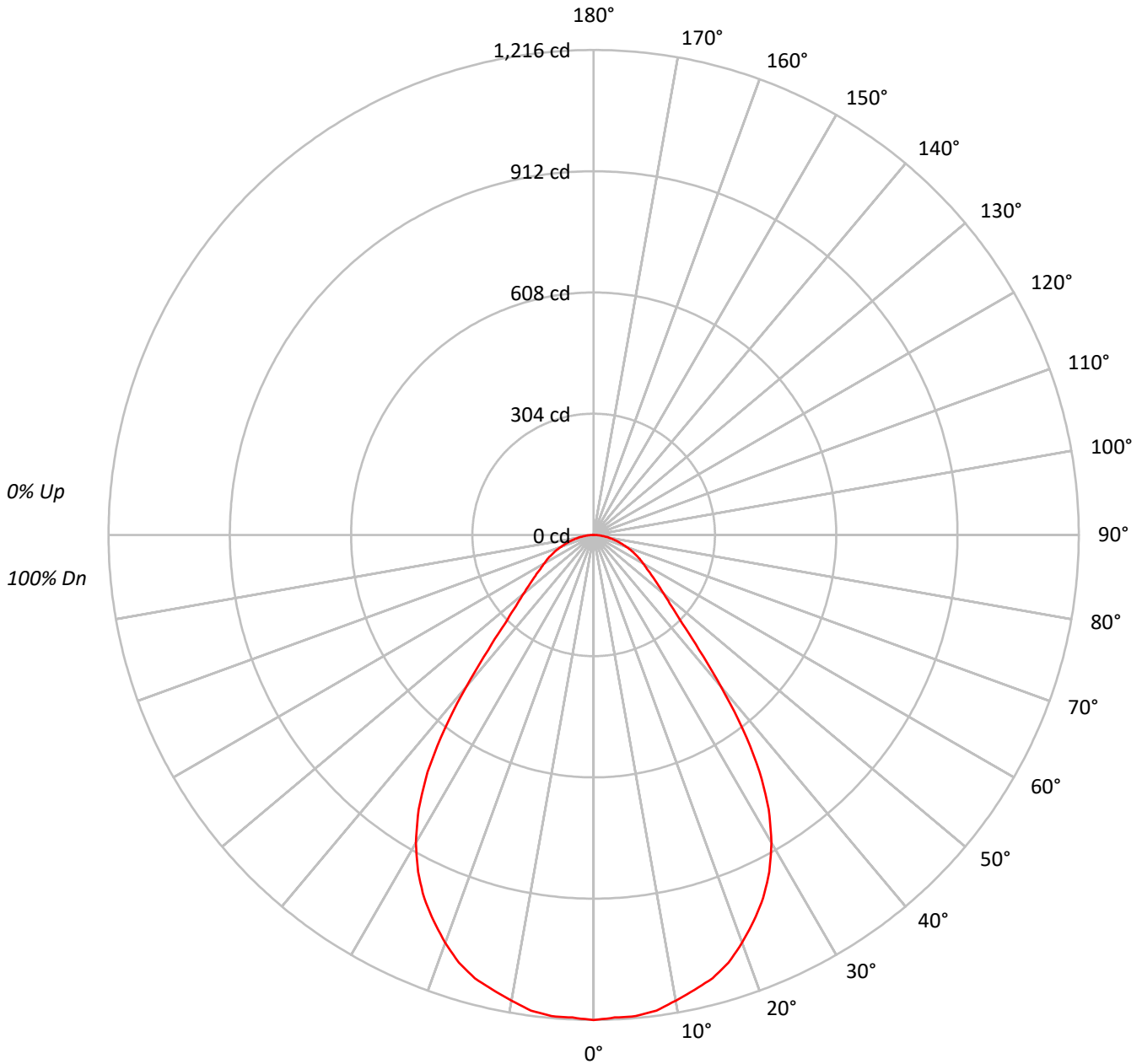
Lumens per Lamp: N/A  
Luminaire Lumens: 1954.2 lumens  
Efficiency: N/A  
Efficacy: 97.7 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 20  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90		89
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80		78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71		69
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64		62
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58		56
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52		51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48		46
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44		42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41		39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38		36

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	66689
5°	66652
10°	66003
15°	65318
20°	63472
25°	60796
30°	56420
35°	48539
40°	35431
45°	24282
50°	19522
55°	17013
60°	15700
65°	14930
70°	13945
75°	13026
80°	11839
85°	10127



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.8	5.9
10°-20°	323.2	16.5
20°-30°	459.7	23.5
30°-40°	442.6	22.6
40°-50°	254.7	13.0
50°-60°	161.4	8.3
60°-70°	114.2	5.8
70°-80°	65.1	3.3
80°-90°	18.6	1.0
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°	897.8	45.9
0°-40°	1340.3	68.6
0°-60°	1756.4	89.9
0°-90°	1954.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1954.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1216	
5°	1211	115
15°	1151	323
25°	1005	460
35°	725	443
45°	313	255
55°	178	161
65°	115	114
75°	62	65
85°	16	19
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1216.5
2.5°	1211.2
5°	1211.2
7.5°	1203.1
10°	1185.7
12.5°	1168.3
15°	1150.9
17.5°	1124.2
20°	1088.0
22.5°	1047.9
25°	1005.1
27.5°	952.9
30°	891.3
32.5°	816.3
35°	725.3
37.5°	614.3
40°	495.1
42.5°	390.8
45°	313.2
47.5°	263.6
50°	228.9
52.5°	200.8
55°	178.0
57.5°	157.9
60°	143.2
62.5°	129.8
65°	115.1
67.5°	101.7
70°	87.0
72.5°	73.6
75°	61.5
77.5°	49.5
80°	37.5
82.5°	26.7
85°	16.1
87.5°	6.7
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)