

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: P583361

Luminaire Tested: **HCC6S07D010BZ-HM60525927-61WDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583361
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: HCC6S07D010BZ-HM60525927-61WDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

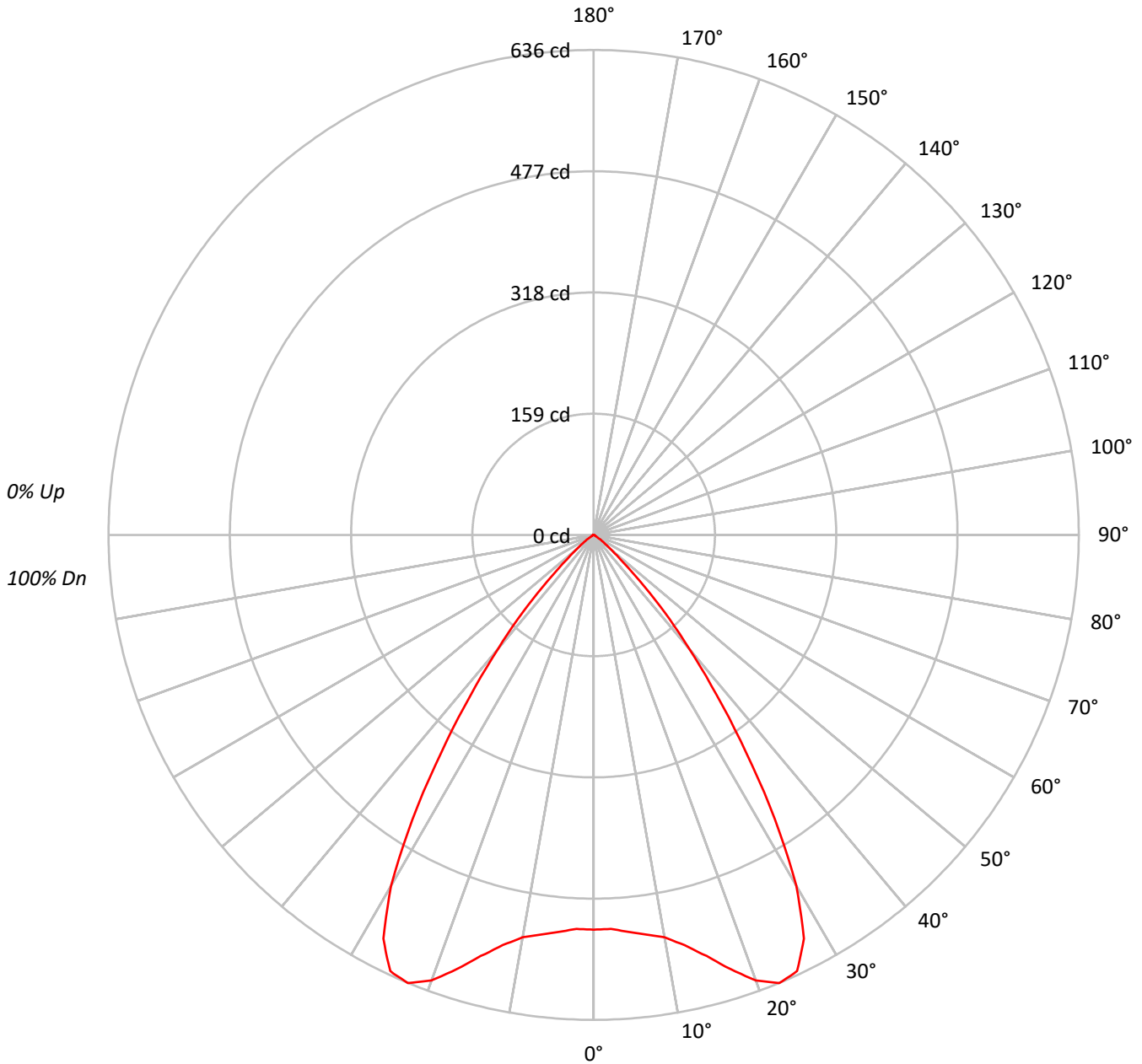
Lumens per Lamp: N/A
Luminaire Lumens: 800.3 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	28375
5°	28753
10°	29831
15°	32446
20°	36275
25°	38180
30°	33613
35°	23316
40°	13919
45°	6613
50°	2490
55°	1042
60°	318
65°	259
70°	160
75°	106
80°	158
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	6.3
10°-20°	164.2	20.5
20°-30°	281.3	35.1
30°-40°	218.5	27.3
40°-50°	72.2	9.0
50°-60°	11.0	1.4
60°-70°	2.0	0.2
70°-80°	0.7	0.1
80°-90°	0.2	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°	495.7	61.9
0°-40°	714.2	89.2
0°-60°	797.4	99.6
0°-90°	800.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	800.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	518	
5°	522	50
15°	572	164
25°	631	281
35°	348	218
45°	85	72
55°	11	11
65°	2	2
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	517.6
2.5°	517.1
5°	522.5
7.5°	528.5
10°	535.9
12.5°	550.9
15°	571.7
17.5°	597.0
20°	621.8
22.5°	636.2
25°	631.2
27.5°	597.0
30°	531.0
32.5°	442.2
35°	348.4
37.5°	264.6
40°	194.5
42.5°	137.4
45°	85.3
47.5°	47.6
50°	29.2
52.5°	17.9
55°	10.9
57.5°	5.4
60°	2.9
62.5°	2.5
65°	2.0
67.5°	1.5
70°	1.0
72.5°	1.0
75°	0.5
77.5°	0.5
80°	0.5
82.5°	0.5
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)