

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: P581701

Luminaire Tested: **HCC6S15D010SL-HM60525827-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S15D010SL-HM60525827-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

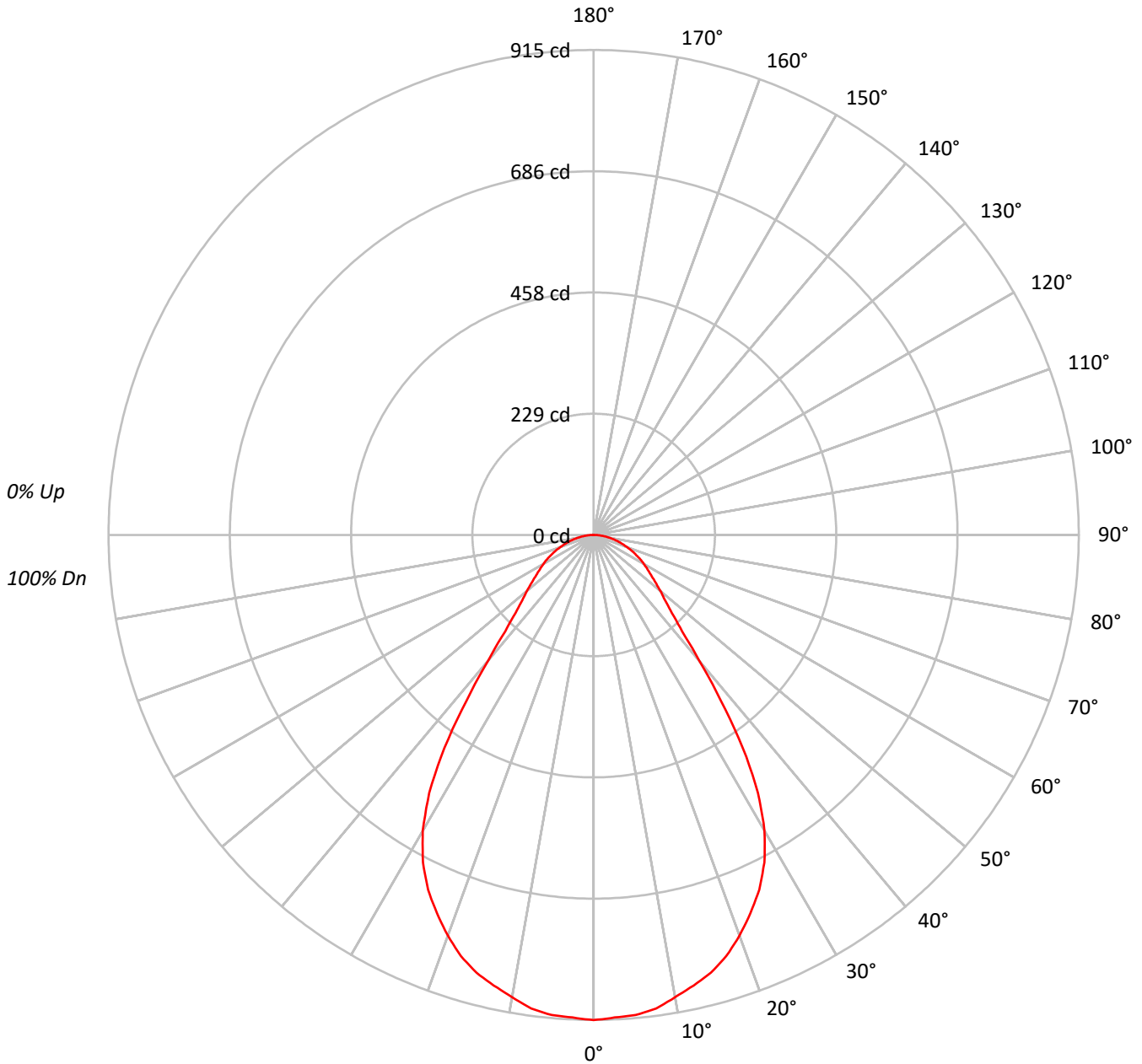
Lumens per Lamp: N/A
Luminaire Lumens: 1403.9 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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				
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88				
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78				
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69				
4	89	80	72	67	87	78	72	66	76	70	65	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	77	66	59	54	64	58	53	63	57	53	61	56	53	51				
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46				
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43				
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39				
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50182
5°	50044
10°	49298
15°	48519
20°	46922
25°	44688
30°	40804
35°	32853
40°	22141
45°	16149
50°	13961
55°	12606
60°	11962
65°	11324
70°	10643
75°	10082
80°	9376
85°	8680



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.1	6.1
10°-20°	240.1	17.1
20°-30°	337.3	24.0
30°-40°	300.2	21.4
40°-50°	167.8	12.0
50°-60°	119.6	8.5
60°-70°	87.0	6.2
70°-80°	50.3	3.6
80°-90°	15.6	1.1
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°	663.4	47.3
0°-40°	963.6	68.6
0°-60°	1251.0	89.1
0°-90°	1403.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1403.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	915	
5°	909	86
15°	855	240
25°	739	337
35°	491	300
45°	208	168
55°	132	120
65°	87	87
75°	48	50
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	915.4
2.5°	911.4
5°	909.4
7.5°	901.4
10°	885.6
12.5°	870.7
15°	854.9
17.5°	833.0
20°	804.3
22.5°	772.5
25°	738.8
27.5°	697.1
30°	644.6
32.5°	577.1
35°	490.9
37.5°	393.7
40°	309.4
42.5°	247.0
45°	208.3
47.5°	182.5
50°	163.7
52.5°	146.8
55°	131.9
57.5°	120.0
60°	109.1
62.5°	99.2
65°	87.3
67.5°	77.4
70°	66.4
72.5°	56.5
75°	47.6
77.5°	38.7
80°	29.7
82.5°	21.8
85°	13.8
87.5°	6.9
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)