

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: P582061

Luminaire Tested: **HCC6W25D010SL-HM60525927-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582061
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: HCC6W25D010SL-HM60525927-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

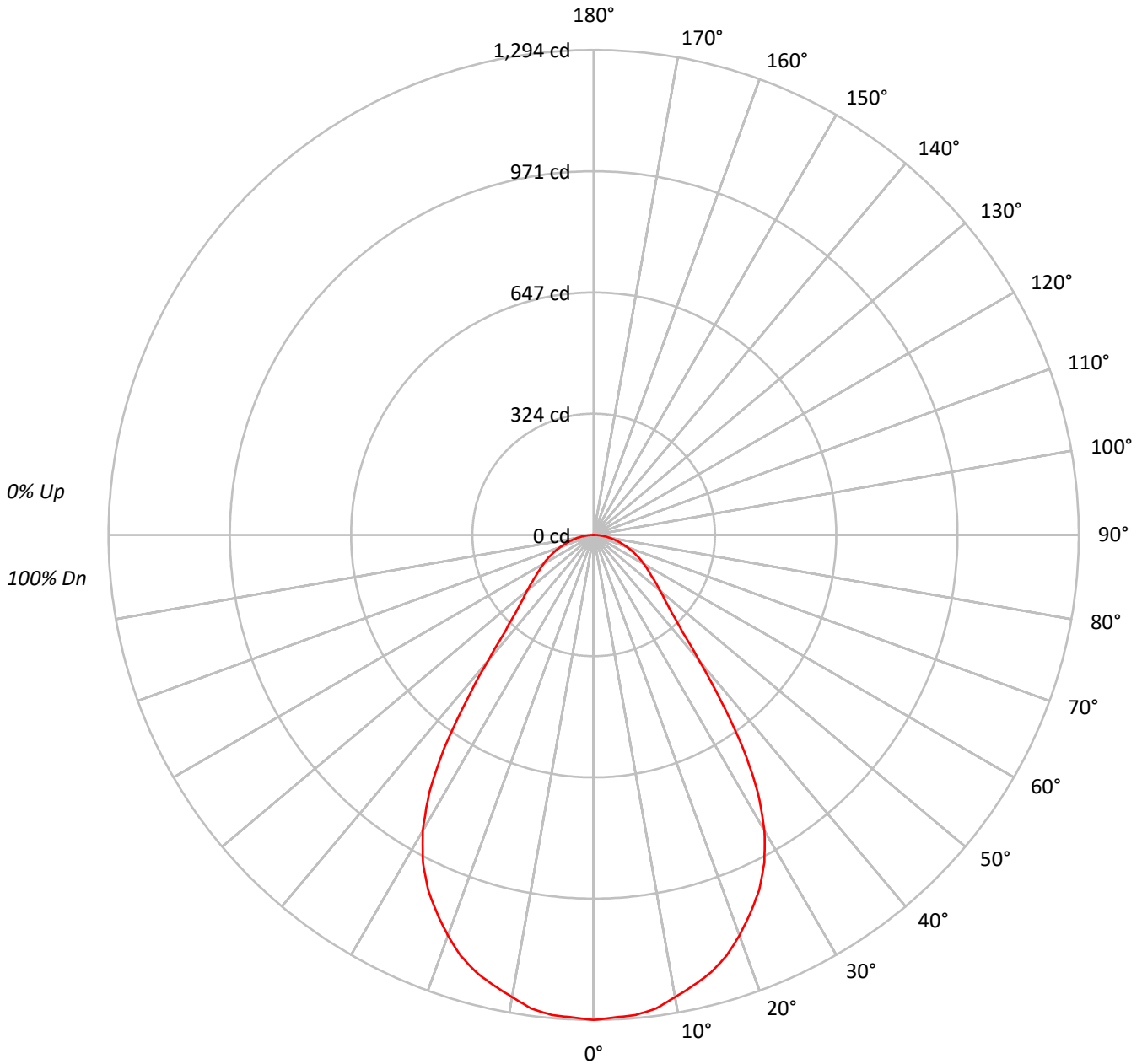
Lumens per Lamp: N/A
Luminaire Lumens: 1984.9 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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				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°	70943
5°	70752
10°	69699
15°	68593
20°	66337
25°	63185
30°	57692
35°	46445
40°	31302
45°	22832
50°	19726
55°	17815
60°	16907
65°	16007
70°	15067
75°	14255
80°	13291
85°	12391



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	6.1
10°-20°	339.4	17.1
20°-30°	476.9	24.0
30°-40°	424.5	21.4
40°-50°	237.2	12.0
50°-60°	169.0	8.5
60°-70°	123.0	6.2
70°-80°	71.2	3.6
80°-90°	22.1	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°	938.0	47.3
0°-40°	1362.4	68.6
0°-60°	1768.6	89.1
0°-90°	1984.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1984.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1294	
5°	1286	122
15°	1209	339
25°	1045	477
35°	694	424
45°	294	237
55°	186	169
65°	123	123
75°	67	71
85°	20	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1294.1
2.5°	1288.6
5°	1285.7
7.5°	1274.6
10°	1252.1
12.5°	1231.1
15°	1208.6
17.5°	1177.8
20°	1137.1
22.5°	1092.2
25°	1044.6
27.5°	985.7
30°	911.4
32.5°	816.1
35°	694.0
37.5°	556.6
40°	437.4
42.5°	349.1
45°	294.5
47.5°	258.0
50°	231.3
52.5°	207.5
55°	186.4
57.5°	169.7
60°	154.2
62.5°	140.2
65°	123.4
67.5°	109.4
70°	94.0
72.5°	79.9
75°	67.3
77.5°	54.6
80°	42.1
82.5°	30.8
85°	19.7
87.5°	9.8
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)