

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: P582922

Luminaire Tested: **HCC6S05D010MW-HM60525927-61NDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S05D010MW-HM60525927-61NDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

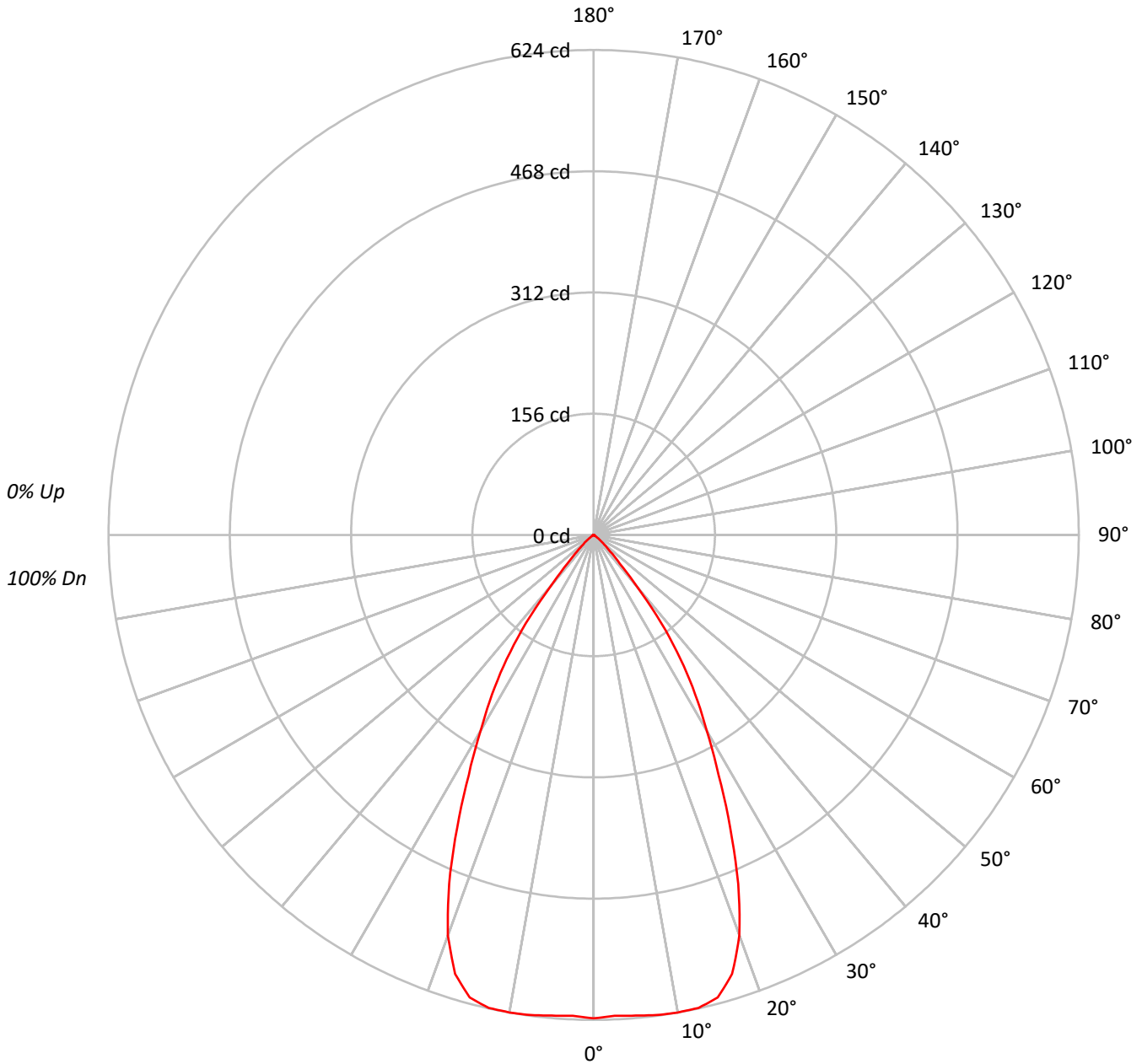
Lumens per Lamp: N/A
Luminaire Lumens: 570.9 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 6
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			100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			94
2	108	103	99	96	106	102	98	95	98	96	93	96	93	91	93	91	89	87			87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82			82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76			76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71			71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67			67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62			62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55			55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52			52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34098
5°	34162
10°	34730
15°	34977
20°	31981
25°	25126
30°	18389
35°	13043
40°	6169
45°	2357
50°	1049
55°	296
60°	121
65°	104
70°	48
75°	64
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	10.4
10°-20°	170.3	29.8
20°-30°	189.5	33.2
30°-40°	118.4	20.7
40°-50°	28.1	4.9
50°-60°	4.0	0.7
60°-70°	0.8	0.1
70°-80°	0.3	0.0
80°-90°	0.0	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°	419.2	73.4
0°-40°	537.6	94.2
0°-60°	569.7	99.8
0°-90°	570.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	570.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	622	
5°	621	59
15°	616	170
25°	415	189
35°	195	118
45°	30	28
55°	3	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	622.0
2.5°	619.4
5°	620.8
7.5°	623.1
10°	623.9
12.5°	623.4
15°	616.3
17.5°	592.3
20°	548.2
22.5°	485.9
25°	415.4
27.5°	347.9
30°	290.5
32.5°	243.0
35°	194.9
37.5°	143.2
40°	86.2
42.5°	49.8
45°	30.4
47.5°	19.5
50°	12.3
52.5°	7.1
55°	3.1
57.5°	1.5
60°	1.1
62.5°	1.1
65°	0.8
67.5°	0.8
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.3
80°	0.0
82.5°	0.0
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)