

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: P582140

Luminaire Tested: **HCC6S30D010MW-HM63040827-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S30D010MW-HM63040827-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

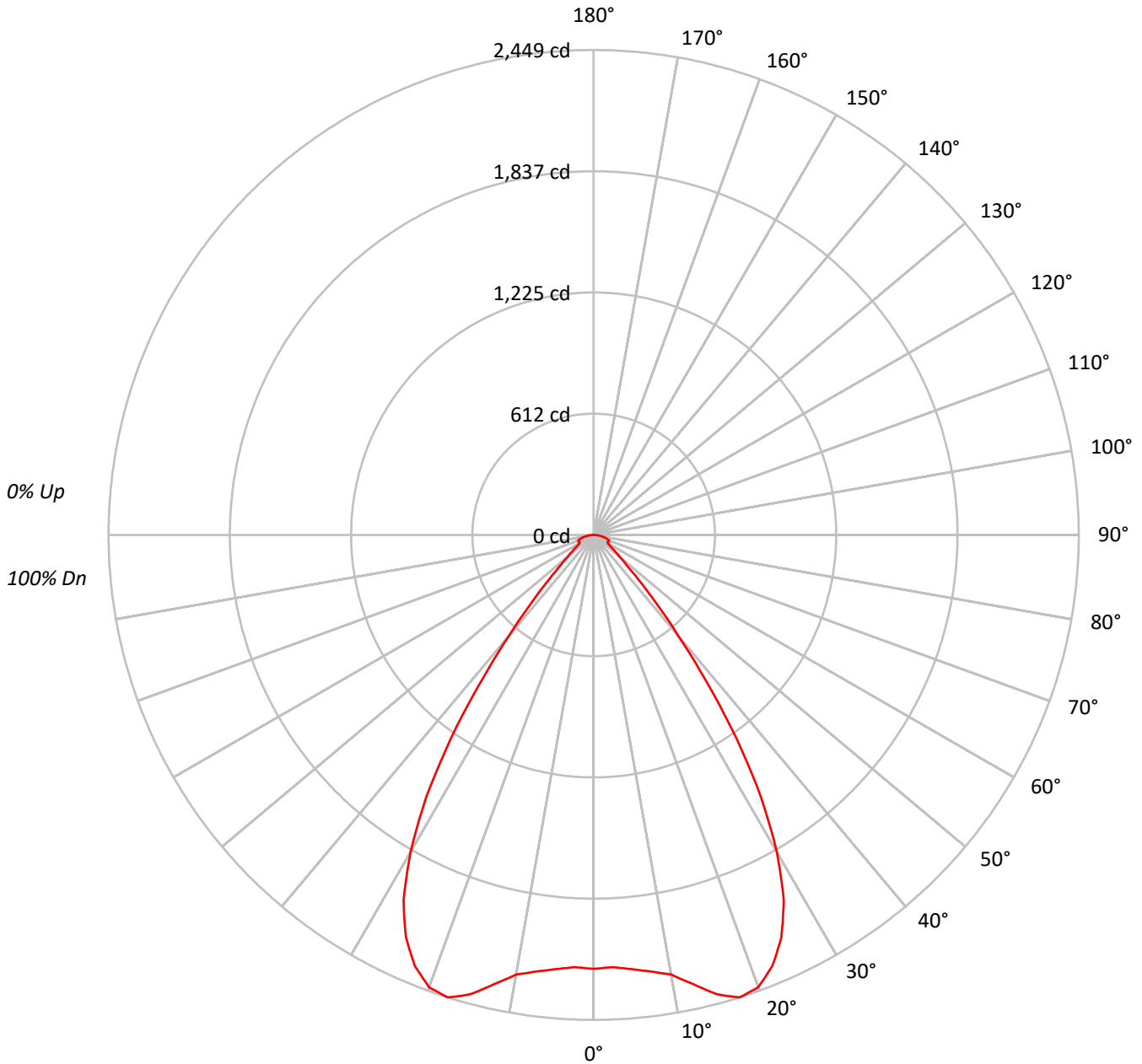
Lumens per Lamp: N/A
Luminaire Lumens: 3220.3 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			82
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			75
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63			63
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			50
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120106
5°	121126
10°	125488
15°	136312
20°	141786
25°	135619
30°	117037
35°	84276
40°	47482
45°	24599
50°	14669
55°	10571
60°	8980
65°	10364
70°	13127
75°	13873
80°	13575
85°	12894



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.8	6.6
10°-20°	677.4	21.0
20°-30°	1012.5	31.4
30°-40°	774.0	24.0
40°-50°	270.3	8.4
50°-60°	103.0	3.2
60°-70°	80.8	2.5
70°-80°	68.3	2.1
80°-90°	22.0	0.7
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°	1901.7	59.1
0°-40°	2675.7	83.1
0°-60°	3049.1	94.7
0°-90°	3220.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3220.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2191	
5°	2201	212
15°	2402	677
25°	2242	1013
35°	1259	774
45°	317	270
55°	111	103
65°	80	81
75°	66	68
85°	20	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2190.9
2.5°	2184.8
5°	2201.1
7.5°	2223.7
10°	2254.3
12.5°	2324.0
15°	2401.8
17.5°	2448.9
20°	2430.4
22.5°	2356.7
25°	2242.1
27.5°	2078.3
30°	1848.9
32.5°	1574.6
35°	1259.3
37.5°	933.7
40°	663.5
42.5°	464.8
45°	317.3
47.5°	223.2
50°	172.0
52.5°	135.2
55°	110.6
57.5°	90.1
60°	81.9
62.5°	79.9
65°	79.9
67.5°	83.9
70°	81.9
72.5°	75.7
75°	65.5
77.5°	55.3
80°	43.0
82.5°	30.7
85°	20.5
87.5°	8.2
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)