

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: P581782

Luminaire Tested: **HCC6S15D010MW-HM60525927-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S15D010MW-HM60525927-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

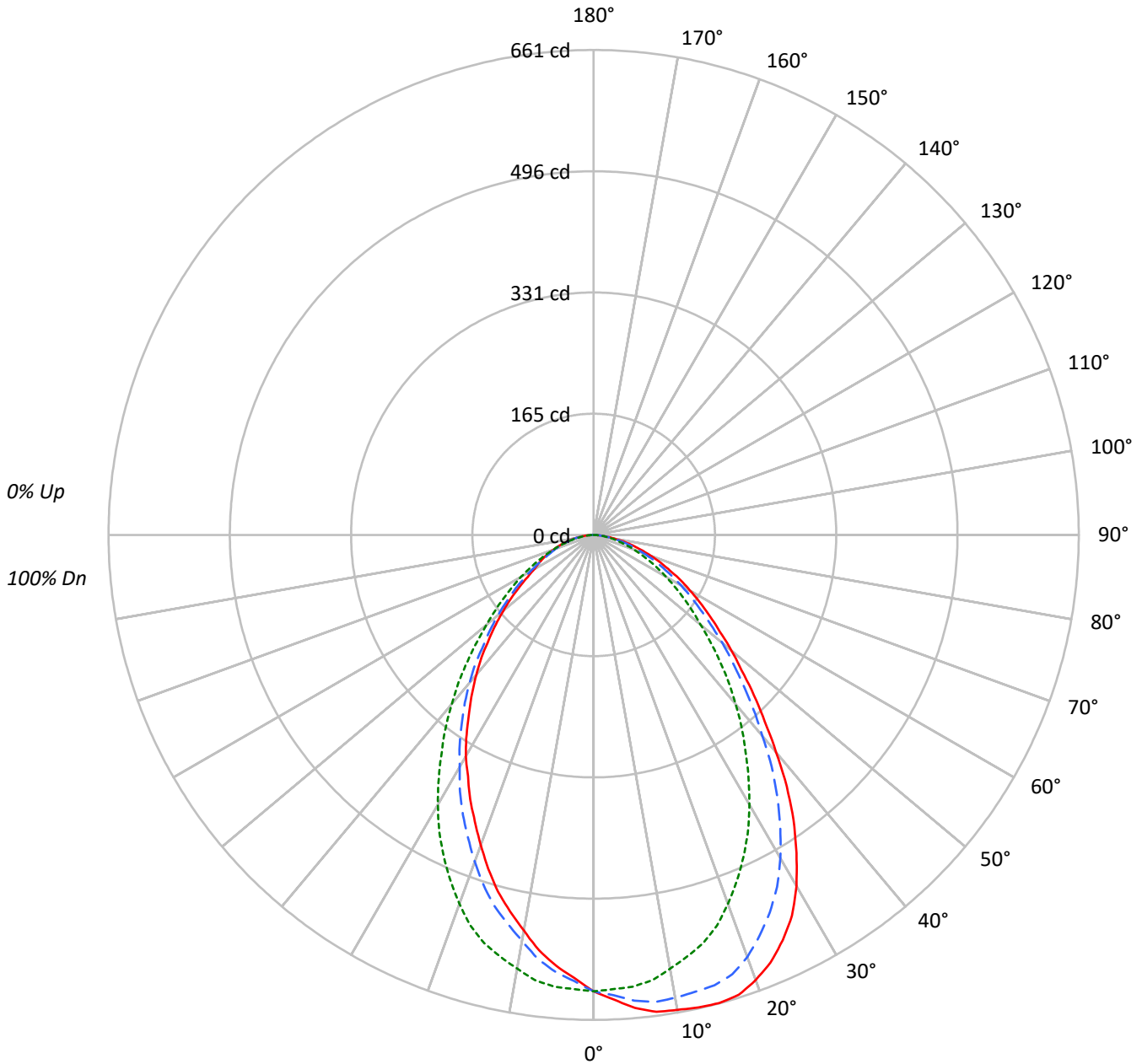
Lumens per Lamp: N/A
Luminaire Lumens: 1158.9 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76								
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66								
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58								
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51								
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46								
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42								
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38								
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34								
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	34104	34104	34104
5°	35615	34003	32434
10°	36589	33416	30483
15°	37492	32690	28564
20°	37663	31211	26229
25°	36867	29227	24056
30°	34980	26871	22048
35°	31775	24153	19782
40°	27680	21505	17798
45°	23948	18824	15645
50°	20920	16213	13705
55°	18484	14241	11756
60°	16611	12477	10197
65°	14878	10870	9884
70°	13287	9264	9264
75°	11544	7816	8684
80°	9250	6598	7924
85°	6353	5787	6856



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	5.0
10°-20°	162.5	14.0
20°-30°	226.5	19.5
30°-40°	233.4	20.1
40°-50°	193.4	16.7
50°-60°	139.0	12.0
60°-70°	88.5	7.6
70°-80°	45.5	3.9
80°-90°	11.6	1.0
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°	447.5	38.6
0°-40°	680.9	58.8
0°-60°	1013.3	87.4
0°-90°	1158.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1158.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	622	622	622	622	622	
5°	647	637	618	598	589	62
15°	661	636	576	523	503	186
25°	610	568	483	421	398	279
35°	475	436	361	313	296	295
45°	309	287	243	212	202	239
55°	193	178	149	132	123	174
65°	115	102	84	73	76	115
75°	54	47	37	38	41	58
85°	10	9	9	10	11	13
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1
2.5°	633.8	631.3	628.0	624.6	619.6	613.7	608.7	607.0	604.5
5°	647.2	643.9	637.2	628.8	617.9	607.0	597.8	592.0	589.4
7.5°	655.6	651.4	642.2	628.0	612.1	596.1	582.7	574.4	571.0
10°	657.3	653.1	640.5	621.3	600.3	578.6	561.8	551.7	547.6
12.5°	659.8	653.9	638.0	615.4	588.6	563.5	542.5	530.0	525.8
15°	660.6	653.9	635.5	607.9	576.0	545.9	523.3	508.3	503.3
17.5°	657.3	649.8	628.0	594.5	558.4	526.6	499.9	484.0	477.3
20°	645.6	637.2	612.1	574.4	535.0	501.6	473.9	457.2	449.6
22.5°	630.5	619.6	591.1	550.9	510.0	474.8	447.1	430.4	422.8
25°	609.5	599.5	567.7	524.9	483.2	446.3	421.2	403.6	397.7
27.5°	585.3	573.5	540.9	498.2	455.5	418.7	394.4	378.4	370.9
30°	552.6	541.7	509.0	466.4	424.5	390.2	365.0	351.6	348.3
32.5°	514.2	504.8	473.1	432.9	392.7	360.9	339.9	325.7	322.3
35°	474.8	463.9	436.2	398.5	360.9	332.4	313.1	300.5	295.6
37.5°	432.1	422.0	398.5	365.0	331.5	304.7	288.1	277.2	272.2
40°	386.8	379.3	357.5	330.7	300.5	277.2	262.9	253.7	248.7
42.5°	344.9	337.4	322.3	297.3	272.2	251.2	238.6	230.3	226.1
45°	308.9	302.3	287.2	265.5	242.8	225.2	211.8	206.0	201.8
47.5°	273.0	269.6	256.2	236.1	215.2	200.1	190.9	184.2	180.8
50°	245.3	241.2	228.6	207.7	190.1	178.3	170.0	164.1	160.7
52.5°	216.9	212.7	200.9	183.4	169.1	158.2	149.8	144.8	141.5
55°	193.4	190.1	177.5	161.6	149.0	139.8	132.3	126.4	123.0
57.5°	171.6	168.3	156.6	141.5	130.6	122.2	115.5	110.5	106.3
60°	151.5	149.0	137.3	123.0	113.8	105.6	99.7	95.5	93.0
62.5°	133.9	128.9	118.9	106.3	98.0	91.3	85.4	82.9	84.6
65°	114.7	112.3	102.2	91.3	83.8	77.1	72.9	74.6	76.2
67.5°	98.7	95.5	87.1	77.1	70.4	65.3	62.8	66.2	67.0
70°	82.9	79.6	72.0	63.7	57.8	54.5	54.5	57.0	57.8
72.5°	67.9	65.3	58.6	51.9	47.7	45.2	46.9	48.6	49.4
75°	54.5	51.9	46.9	41.0	36.9	36.9	38.5	40.2	41.0
77.5°	41.9	40.2	35.2	31.0	29.3	29.3	31.0	31.8	32.7
80°	29.3	27.6	25.1	22.6	20.9	22.6	24.3	24.3	25.1
82.5°	19.3	18.4	16.8	15.1	15.1	15.9	16.8	17.6	17.6
85°	10.1	10.1	9.2	8.4	9.2	10.1	10.1	10.9	10.9
87.5°	3.4	3.4	3.4	3.4	4.2	4.2	4.2	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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— 0°-180° - - 45°-225° - - - - 90°-270°

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