

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: P582063

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

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582063  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W25D010SL-HM60525927-61RWWH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

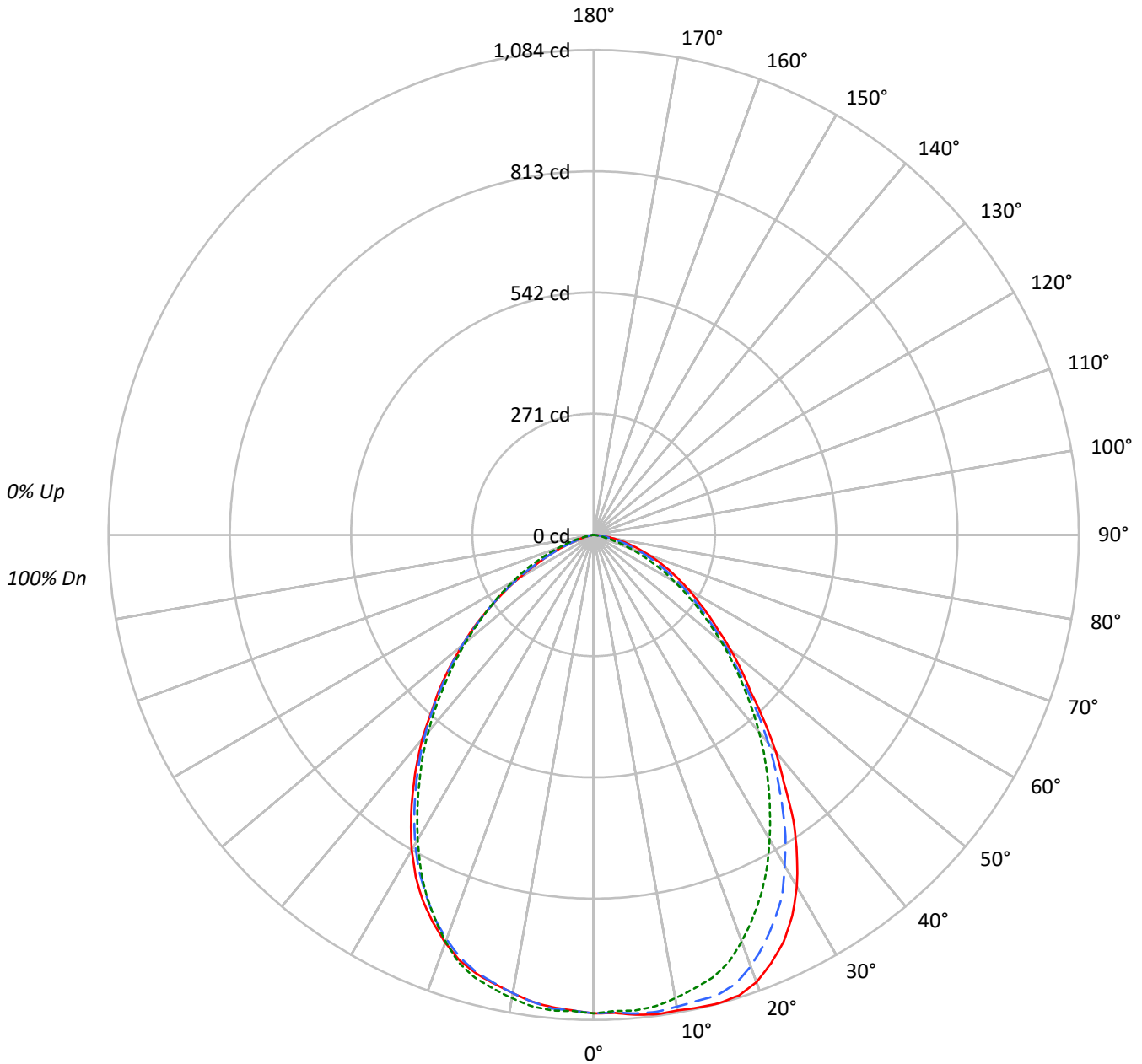
Lumens per Lamp: N/A  
Luminaire Lumens: 2095.7 lumens  
Efficiency: N/A  
Efficacy: 78.2 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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										
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	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	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77								
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67								
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59								
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53								
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42								
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38								
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35								
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	58625	58625	58625
5°	59239	58700	58315
10°	60080	58522	57898
15°	61493	58156	57594
20°	62066	56425	56582
25°	60711	53586	54602
30°	57496	49780	51457
35°	52066	45501	47187
40°	45335	41134	42630
45°	38469	36407	37709
50°	34071	31803	32639
55°	30011	27201	27067
60°	26895	22904	21062
65°	24010	18368	15086
70°	21125	13255	9441
75°	17813	8006	5338
80°	13733	3536	2210
85°	7988	881	881



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.5	4.8
10°-20°	291.8	13.9
20°-30°	421.8	20.1
30°-40°	443.8	21.2
40°-50°	373.1	17.8
50°-60°	261.9	12.5
60°-70°	144.0	6.9
70°-80°	51.1	2.4
80°-90°	6.7	0.3
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°	815.1	38.9
0°-40°	1258.9	60.1
0°-60°	1893.8	90.4
0°-90°	2095.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2095.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1069	1069	1069	1069	1069	
5°	1076	1074	1067	1062	1060	103
15°	1084	1065	1025	1012	1015	306
25°	1004	953	886	887	903	459
35°	778	733	680	694	705	482
45°	496	482	470	481	486	389
55°	314	297	285	285	283	283
65°	185	165	142	116	116	184
75°	84	67	38	25	25	90
85°	13	7	1	1	1	17
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°	1069.4	1069.4	1069.4	1069.4	1069.4	1069.4	1069.4	1069.4	1069.4
2.5°	1069.4	1069.4	1068.1	1068.1	1065.3	1065.3	1063.9	1063.9	1063.9
5°	1076.5	1076.5	1073.7	1069.4	1066.7	1062.5	1062.5	1061.0	1059.7
7.5°	1080.7	1079.3	1075.1	1069.4	1062.5	1055.5	1052.6	1054.0	1052.6
10°	1079.3	1076.5	1070.9	1059.7	1051.3	1041.5	1040.1	1038.6	1040.1
12.5°	1082.1	1078.0	1066.7	1052.6	1038.6	1027.5	1026.1	1026.1	1027.5
15°	1083.5	1079.3	1065.3	1044.3	1024.7	1013.4	1012.0	1013.4	1014.8
17.5°	1079.3	1073.7	1052.6	1024.7	1002.3	991.0	991.0	993.8	996.6
20°	1063.9	1055.5	1026.1	992.4	967.2	958.8	961.6	967.2	969.9
22.5°	1035.9	1026.1	992.4	954.5	928.0	921.0	928.0	935.0	937.7
25°	1003.7	992.4	953.2	913.9	885.9	877.5	887.2	898.5	902.7
27.5°	960.2	947.5	911.1	866.2	838.3	834.0	845.3	857.8	860.7
30°	908.3	894.3	853.7	811.6	786.4	785.0	797.5	808.8	812.9
32.5°	845.3	832.6	797.5	755.6	733.1	733.1	745.7	755.6	759.7
35°	778.0	764.0	733.1	698.0	679.9	681.3	693.8	700.8	705.1
37.5°	698.0	693.8	670.0	640.5	628.0	630.8	640.5	646.2	650.4
40°	633.5	622.4	607.0	583.1	574.8	577.5	587.3	592.9	595.7
42.5°	563.5	556.5	543.8	527.0	521.4	525.6	534.0	538.3	536.9
45°	496.2	494.8	482.2	472.4	469.6	475.1	480.8	485.0	486.4
47.5°	447.2	441.6	430.3	423.3	420.5	426.1	431.8	434.5	434.5
50°	399.5	393.8	382.7	375.6	372.9	378.4	382.7	385.4	382.7
52.5°	351.8	346.2	336.4	328.0	326.7	329.4	330.8	332.2	335.1
55°	314.0	308.4	297.2	287.3	284.6	285.9	284.6	284.6	283.2
57.5°	277.5	271.9	260.7	249.5	245.3	243.8	239.7	238.3	236.9
60°	245.3	238.3	227.0	214.5	208.9	203.2	196.2	192.1	192.1
62.5°	214.5	207.5	194.8	183.6	175.2	165.4	154.2	148.6	148.6
65°	185.1	179.4	165.4	152.7	141.6	128.9	116.3	113.5	116.3
67.5°	157.0	151.4	137.3	124.8	110.8	95.4	84.1	84.1	87.0
70°	131.8	126.2	113.5	98.1	82.7	67.3	58.9	58.9	58.9
72.5°	107.9	102.4	88.3	74.3	58.9	43.5	39.2	40.6	39.2
75°	84.1	79.9	67.3	51.9	37.8	26.7	25.2	23.8	25.2
77.5°	63.0	58.9	47.6	33.6	21.1	15.4	14.0	14.0	14.0
80°	43.5	39.2	30.8	19.7	11.2	7.0	7.0	7.0	7.0
82.5°	26.7	22.4	16.8	9.8	4.3	4.3	4.3	4.3	4.3
85°	12.7	9.8	7.0	2.8	1.4	1.4	1.4	1.4	1.4
87.5°	2.8	2.8	1.4	1.4	0.0	1.4	1.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



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

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