

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: P581691

Luminaire Tested: **HCC6W10D010SL-HM60525940-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W10D010SL-HM60525940-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

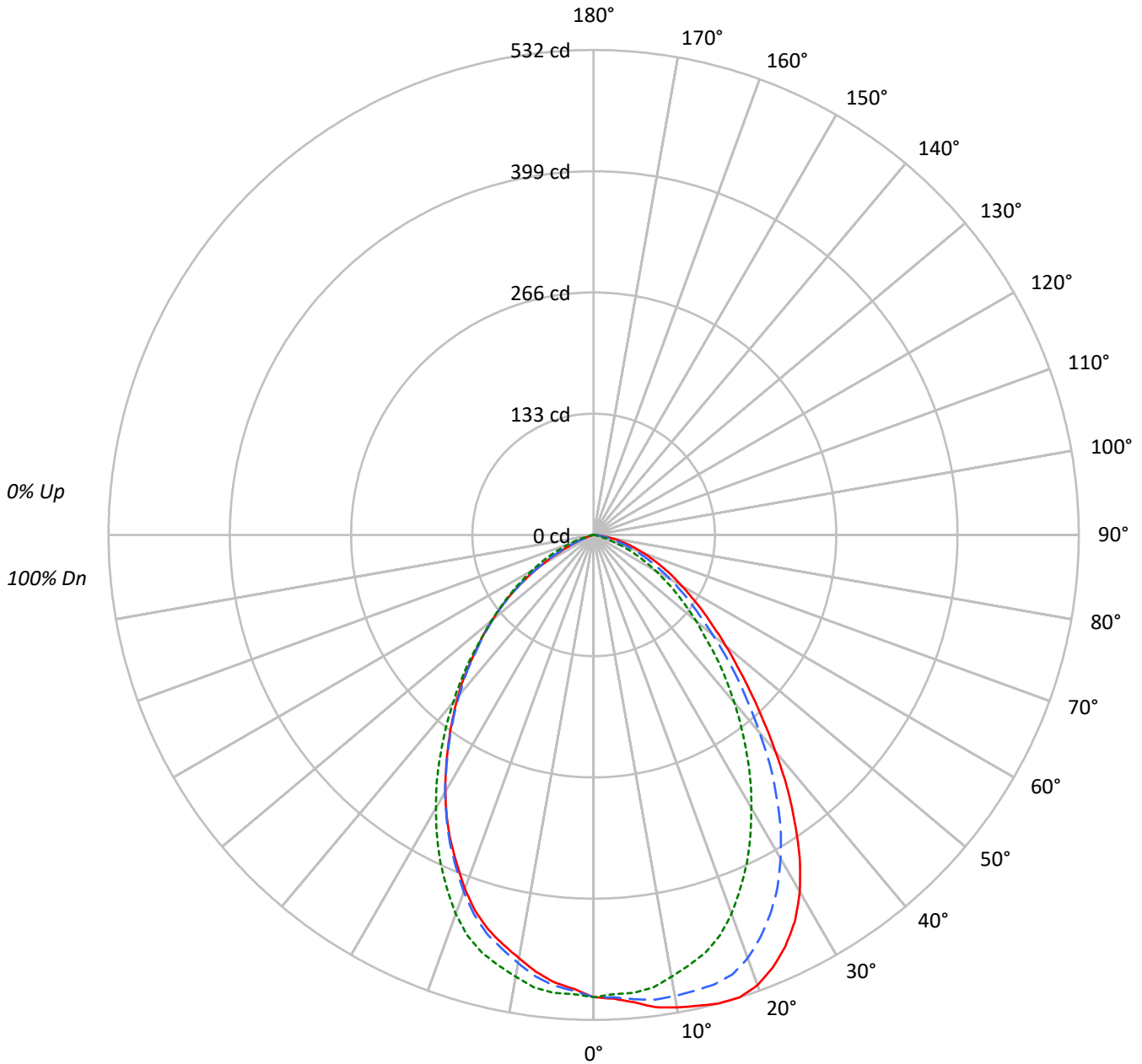
Lumens per Lamp: N/A
Luminaire Lumens: 903.5 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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



TEST NUMBER: P581691
CATALOG NUMBER: HCC6W10D010SL-HM60525940-61WWBB

Luminous Intensity Polar Plot





TEST NUMBER: P581691

CATALOG NUMBER: HCC6W10D010SL-HM60525940-61WWBB

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	100	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89	89	89
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78	78	78	78
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69	69	69	69
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61	61	61	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54	54	54	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49	49	49	49
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44	44	44	44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40	40	40	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37	37	37	37
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34	34	34	34

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	27794	27794	27794
5°	28329	27746	27119
10°	29297	27393	26241
15°	30187	26913	25414
20°	30663	25797	24082
25°	30105	24026	22429
30°	28618	21889	20585
35°	25719	19568	18558
40°	22199	17146	16581
45°	18800	14761	14374
50°	16110	12460	12349
55°	13964	10494	10083
60°	12203	8530	7203
65°	10727	6564	3982
70°	9248	4344	1939
75°	7858	2118	741
80°	6061	884	474
85°	3585	440	440



TEST NUMBER: P581691
 CATALOG NUMBER: HCC6W10D010SL-HM60525940-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	5.3
10°-20°	135.3	15.0
20°-30°	190.5	21.1
30°-40°	194.7	21.5
40°-50°	156.9	17.4
50°-60°	105.3	11.7
60°-70°	53.3	5.9
70°-80°	17.0	1.9
80°-90°	2.6	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°	373.7	41.4
0°-40°	568.3	62.9
0°-60°	830.6	91.9
0°-90°	903.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	903.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	507	507	507	507	507	
5°	515	511	504	496	493	50
15°	532	510	474	453	448	150
25°	498	459	397	373	371	228
35°	384	349	292	276	277	239
45°	242	223	190	184	185	189
55°	146	130	110	105	106	132
65°	83	68	51	34	31	83
75°	37	26	10	4	4	40
85°	6	3	1	1	1	8
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P581691

CATALOG NUMBER: HCC6W10D010SL-HM60525940-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	507.0	507.0	507.0	507.0	507.0	507.0	507.0	507.0	507.0
2.5°	509.2	508.4	507.7	506.3	504.2	502.0	500.6	499.2	498.4
5°	514.8	513.5	511.3	508.4	504.2	499.2	496.3	493.4	492.8
7.5°	522.6	519.8	514.2	507.7	500.6	493.4	488.5	485.6	483.5
10°	526.3	521.3	513.5	502.7	492.1	483.5	477.0	472.7	471.4
12.5°	529.1	523.4	512.0	497.7	483.5	472.0	464.9	461.4	459.9
15°	531.9	526.3	510.5	492.1	474.2	460.6	452.8	449.3	447.8
17.5°	531.9	524.1	505.6	482.0	460.6	444.3	436.4	432.9	432.1
20°	525.6	517.0	494.1	466.4	442.2	423.6	416.5	414.3	412.8
22.5°	513.5	503.4	477.8	446.3	420.0	402.2	394.4	392.9	391.4
25°	497.7	487.8	458.6	425.0	397.2	379.3	373.0	371.5	370.8
27.5°	477.8	467.1	436.4	402.2	372.2	355.1	349.4	349.4	348.7
30°	452.1	440.0	410.0	375.8	345.8	330.2	325.9	325.9	325.2
32.5°	420.8	408.7	381.5	348.7	320.1	303.8	300.2	301.7	300.9
35°	384.3	374.4	349.4	317.3	292.4	277.3	276.0	277.3	277.3
37.5°	348.0	338.7	317.3	289.6	266.0	252.4	252.4	254.6	253.9
40°	310.2	303.0	283.1	258.9	239.6	230.4	228.9	231.0	231.7
42.5°	274.5	268.8	251.8	231.7	214.6	205.3	207.5	209.0	209.6
45°	242.5	236.7	223.2	202.5	190.4	184.0	184.0	186.1	185.4
47.5°	213.9	209.6	196.1	176.1	165.4	162.6	164.0	165.4	165.4
50°	188.9	182.6	169.7	154.1	146.1	142.6	144.0	144.8	144.8
52.5°	165.4	161.2	148.3	134.0	126.9	124.7	124.7	125.5	125.5
55°	146.1	141.2	129.7	115.6	109.8	107.0	104.8	104.1	105.5
57.5°	127.7	123.4	112.6	99.2	92.7	89.9	85.6	84.1	85.6
60°	111.3	107.7	97.0	84.1	77.8	72.0	67.0	64.2	65.7
62.5°	97.0	92.7	82.0	71.3	64.2	57.7	49.9	45.6	47.8
65°	82.7	79.1	68.5	57.7	50.6	42.8	33.5	30.7	30.7
67.5°	69.8	66.3	56.4	47.1	38.5	29.2	20.7	19.9	20.7
70°	57.7	54.2	45.6	36.3	27.1	17.8	12.1	12.1	12.1
72.5°	47.8	43.5	35.7	26.4	17.1	9.3	6.5	7.1	7.1
75°	37.1	33.5	26.4	17.8	10.0	4.3	3.5	3.5	3.5
77.5°	27.8	24.9	18.6	11.4	5.0	1.5	1.5	1.5	1.5
80°	19.2	16.4	12.1	7.1	2.8	1.5	1.5	1.5	1.5
82.5°	11.4	10.0	7.1	3.5	1.5	0.7	0.7	0.7	0.7
85°	5.7	5.0	2.8	1.5	0.7	0.7	0.7	0.7	0.7
87.5°	1.5	1.5	0.7	0.7	0.0	0.7	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)