

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: P581559

Luminaire Tested: **HCC6S10D010BZ-HM60525827-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581559
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: HCC6S10D010BZ-HM60525827-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

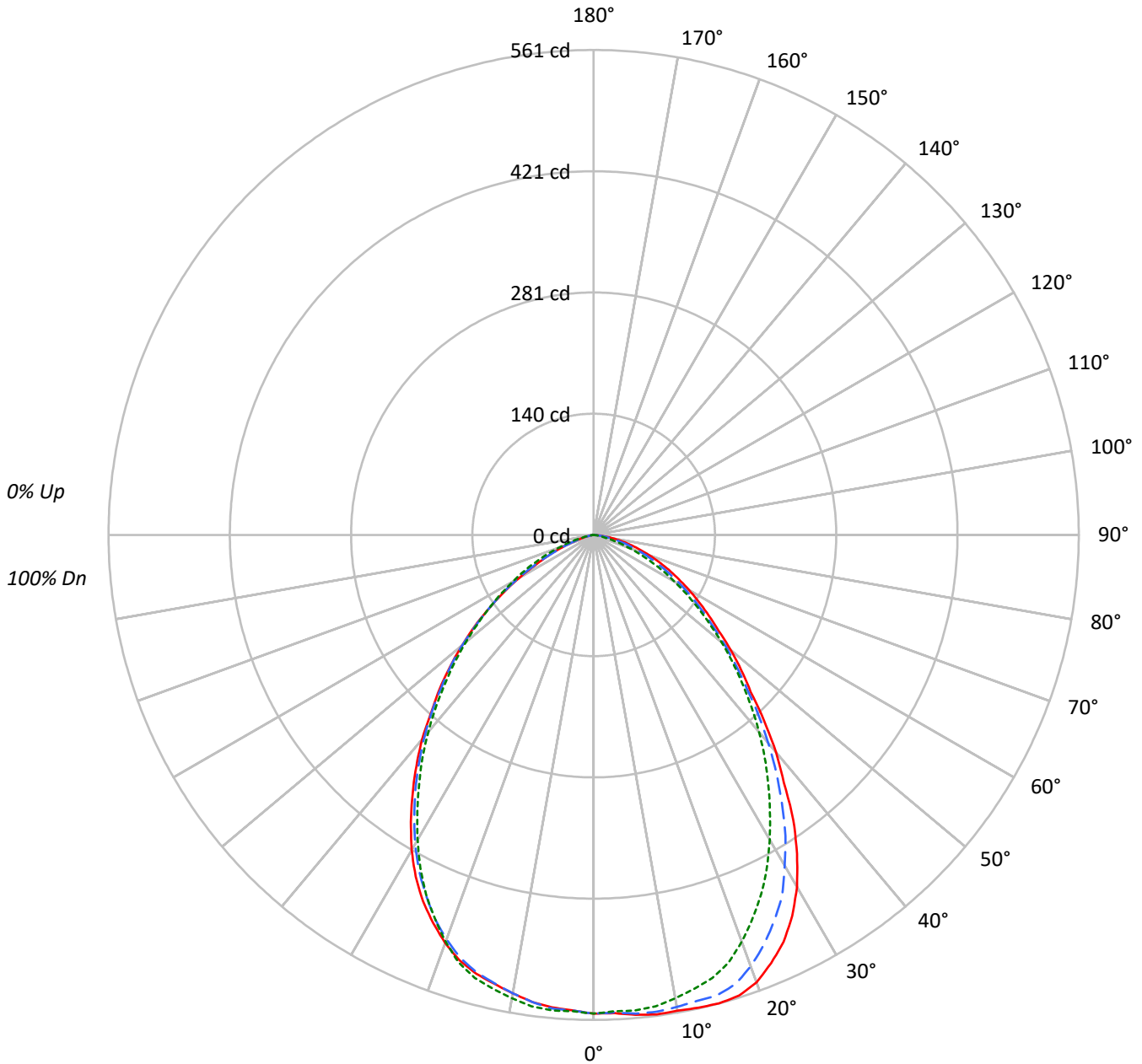
Lumens per Lamp: N/A
Luminaire Lumens: 1084.8 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P581559
CATALOG NUMBER: HCC6S10D010BZ-HM60525827-61RWWH

Luminous Intensity Polar Plot





TEST NUMBER: P581559

CATALOG NUMBER: HCC6S10D010BZ-HM60525827-61RWWH

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	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°	30354	30354	30354
5°	30668	30387	30189
10°	31106	30293	29970
15°	31833	30108	29819
20°	32127	29210	29298
25°	31423	27740	28266
30°	29764	25770	26643
35°	26950	23550	24427
40°	23465	21290	22070
45°	19917	18839	19521
50°	17637	16460	16895
55°	15541	14078	14011
60°	13924	11852	10898
65°	12427	9495	7809
70°	10947	6860	4889
75°	9235	4151	2754
80°	7103	1831	1137
85°	4151	440	440



TEST NUMBER: P581559
 CATALOG NUMBER: HCC6S10D010BZ-HM60525827-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.6	4.8
10°-20°	151.0	13.9
20°-30°	218.3	20.1
30°-40°	229.7	21.2
40°-50°	193.1	17.8
50°-60°	135.6	12.5
60°-70°	74.6	6.9
70°-80°	26.5	2.4
80°-90°	3.5	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°	421.9	38.9
0°-40°	651.6	60.1
0°-60°	980.3	90.4
0°-90°	1084.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1084.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	554	554	554	554	554	
5°	557	556	552	550	549	53
15°	561	552	530	524	525	158
25°	520	493	459	459	467	238
35°	403	379	352	359	365	250
45°	257	250	243	249	252	202
55°	163	154	147	147	147	146
65°	96	86	73	60	60	95
75°	44	35	20	13	13	47
85°	7	4	1	1	1	9
90°	0	0	0	0	0	



TEST NUMBER: P581559

CATALOG NUMBER: HCC6S10D010BZ-HM60525827-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7
2.5°	553.7	553.7	552.9	552.9	551.5	551.5	550.7	550.7	550.7
5°	557.3	557.3	555.8	553.7	552.2	550.0	550.0	549.2	548.6
7.5°	559.4	558.8	556.5	553.7	550.0	546.4	544.9	545.6	544.9
10°	558.8	557.3	554.3	548.6	544.2	539.2	538.4	537.7	538.4
12.5°	560.1	558.0	552.2	544.9	537.7	531.8	531.1	531.1	531.8
15°	560.9	558.8	551.5	540.5	530.5	524.6	523.9	524.6	525.4
17.5°	558.8	555.8	544.9	530.5	518.8	513.0	513.0	514.5	515.9
20°	550.7	546.4	531.1	513.7	500.7	496.3	497.7	500.7	502.2
22.5°	536.2	531.1	513.7	494.1	480.3	476.7	480.3	483.9	485.4
25°	519.5	513.7	493.4	473.1	458.6	454.3	459.3	465.1	467.3
27.5°	497.1	490.5	471.6	448.4	433.9	431.7	437.5	444.1	445.6
30°	470.2	463.0	441.9	420.1	407.1	406.4	412.8	418.7	420.9
32.5°	437.5	431.0	412.8	391.1	379.4	379.4	386.0	391.1	393.3
35°	402.7	395.4	379.4	361.3	351.9	352.6	359.2	362.8	365.0
37.5°	361.3	359.2	346.8	331.6	325.1	326.5	331.6	334.5	336.7
40°	327.9	322.2	314.1	301.9	297.5	299.0	304.1	306.9	308.4
42.5°	291.7	288.1	281.5	272.8	269.9	272.1	276.4	278.6	277.9
45°	256.9	256.2	249.6	244.5	243.0	246.0	248.9	251.1	251.8
47.5°	231.5	228.6	222.8	219.2	217.7	220.6	223.5	224.9	224.9
50°	206.8	203.9	198.1	194.5	193.0	195.9	198.1	199.6	198.1
52.5°	182.1	179.2	174.1	169.8	169.1	170.5	171.3	172.0	173.4
55°	162.6	159.6	153.8	148.7	147.3	148.1	147.3	147.3	146.6
57.5°	143.7	140.8	134.9	129.2	127.0	126.2	124.1	123.4	122.6
60°	127.0	123.4	117.5	111.0	108.1	105.2	101.5	99.4	99.4
62.5°	111.0	107.4	100.9	95.1	90.7	85.6	79.8	76.9	76.9
65°	95.8	92.8	85.6	79.1	73.2	66.8	60.2	58.8	60.2
67.5°	81.3	78.3	71.1	64.5	57.3	49.4	43.6	43.6	44.9
70°	68.3	65.3	58.8	50.8	42.8	34.9	30.5	30.5	30.5
72.5°	55.9	53.0	45.7	38.5	30.5	22.5	20.3	21.1	20.3
75°	43.6	41.3	34.9	26.8	19.6	13.8	13.0	12.3	13.0
77.5°	32.6	30.5	24.7	17.4	10.9	8.0	7.2	7.2	7.2
80°	22.5	20.3	16.0	10.2	5.8	3.6	3.6	3.6	3.6
82.5°	13.8	11.7	8.7	5.1	2.2	2.2	2.2	2.2	2.2
85°	6.6	5.1	3.6	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)