

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: P581656

Luminaire Tested: **HCC6S10D010BZ-HM60525930-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581656
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: HCC6S10D010BZ-HM60525930-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

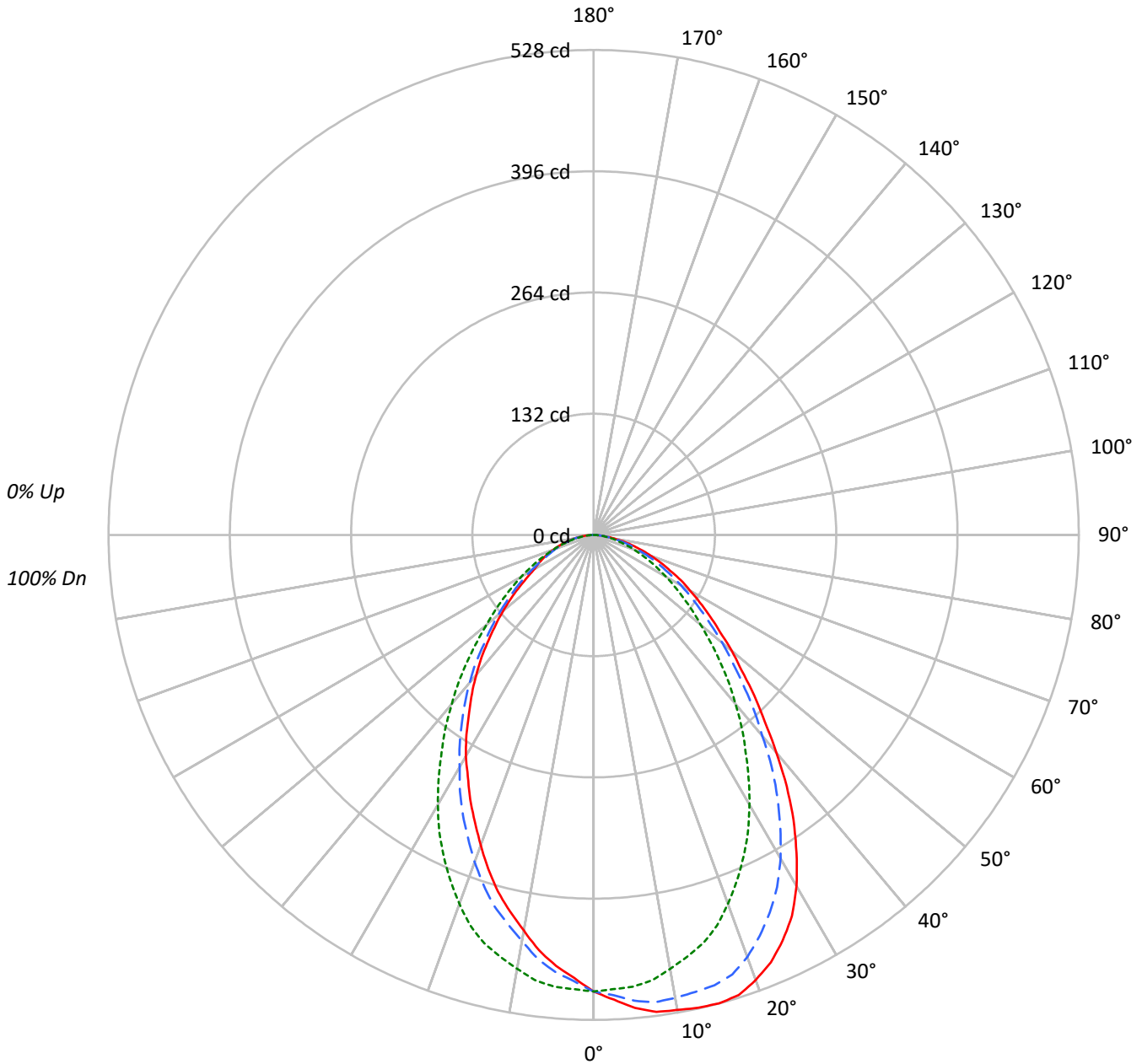
Lumens per Lamp: N/A
Luminaire Lumens: 925.9 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P581656
CATALOG NUMBER: HCC6S10D010BZ-HM60525930-61WWW

Luminous Intensity Polar Plot





TEST NUMBER: P581656

CATALOG NUMBER: HCC6S10D010BZ-HM60525930-61WWW

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°	27251	27251	27251
5°	28456	27168	25913
10°	29230	26697	24354
15°	29960	26124	22821
20°	30085	24934	20961
25°	29457	23348	19223
30°	27947	21465	17610
35°	25384	19294	15801
40°	22113	17189	14219
45°	19142	15040	12497
50°	16724	12955	10959
55°	14766	11383	9405
60°	13277	9977	8146
65°	11895	8678	7900
70°	10611	7405	7405
75°	9214	6227	6947
80°	7387	5304	6314
85°	5032	4655	5472



TEST NUMBER: P581656
 CATALOG NUMBER: HCC6S10D010BZ-HM60525930-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	5.0
10°-20°	129.9	14.0
20°-30°	181.0	19.5
30°-40°	186.5	20.1
40°-50°	154.5	16.7
50°-60°	111.1	12.0
60°-70°	70.7	7.6
70°-80°	36.3	3.9
80°-90°	9.2	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°	357.5	38.6
0°-40°	544.0	58.8
0°-60°	809.6	87.4
0°-90°	925.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	925.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	497	497	497	497	497	
5°	517	509	494	478	471	50
15°	528	508	460	418	402	149
25°	487	454	386	336	318	223
35°	379	348	288	250	236	236
45°	247	230	194	169	161	191
55°	154	142	119	106	98	139
65°	92	82	67	58	61	92
75°	44	38	29	31	33	46
85°	8	7	7	8	9	10
90°	0	0	0	0	0	

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



TEST NUMBER: P581656

CATALOG NUMBER: HCC6S10D010BZ-HM60525930-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	497.1	497.1	497.1	497.1	497.1	497.1	497.1	497.1	497.1
2.5°	506.5	504.4	501.7	499.1	495.0	490.4	486.3	485.1	483.0
5°	517.1	514.5	509.1	502.4	493.7	485.1	477.7	472.9	470.9
7.5°	523.8	520.5	513.1	501.7	489.0	476.3	465.6	458.9	456.2
10°	525.1	521.9	511.8	496.4	479.6	462.3	448.8	440.9	437.5
12.5°	527.2	522.4	509.7	491.7	470.3	450.2	433.4	423.5	420.1
15°	527.9	522.4	507.7	485.6	460.3	436.2	418.2	406.0	402.1
17.5°	525.1	519.1	501.7	475.0	446.2	420.8	399.4	386.7	381.4
20°	515.7	509.1	489.0	458.9	427.4	400.7	378.7	365.3	359.3
22.5°	503.7	495.0	472.3	440.2	407.4	379.3	357.3	343.9	337.8
25°	487.0	478.9	453.6	419.4	386.0	356.6	336.5	322.4	317.8
27.5°	467.6	458.2	432.2	398.0	363.9	334.5	315.0	302.4	296.4
30°	441.5	432.9	406.7	372.7	339.1	311.8	291.7	281.0	278.2
32.5°	410.8	403.4	378.0	345.8	313.8	288.3	271.6	260.2	257.5
35°	379.3	370.6	348.5	318.4	288.3	265.6	250.2	240.2	236.1
37.5°	345.1	337.1	318.4	291.7	264.9	243.5	230.1	221.4	217.5
40°	309.0	303.0	285.6	264.2	240.2	221.4	210.1	202.7	198.7
42.5°	275.6	269.6	257.5	237.5	217.5	200.7	190.6	184.0	180.7
45°	246.9	241.5	229.5	212.0	194.0	180.0	169.2	164.6	161.2
47.5°	218.1	215.4	204.7	188.7	172.0	159.8	152.5	147.2	144.4
50°	196.1	192.7	182.6	166.0	151.9	142.5	135.8	131.1	128.5
52.5°	173.3	169.9	160.5	146.5	135.2	126.4	119.8	115.7	113.1
55°	154.5	151.9	141.8	129.2	119.1	111.7	105.7	101.0	98.4
57.5°	137.1	134.5	125.1	113.1	104.4	97.7	92.4	88.3	85.0
60°	121.1	119.1	109.7	98.4	91.0	84.3	79.6	76.3	74.3
62.5°	107.1	103.0	95.0	85.0	78.2	72.9	68.3	66.2	67.6
65°	91.7	89.7	81.6	72.9	66.9	61.6	58.2	59.5	60.9
67.5°	78.9	76.3	69.6	61.6	56.1	52.2	50.1	52.9	53.5
70°	66.2	63.5	57.5	50.8	46.2	43.5	43.5	45.5	46.2
72.5°	54.2	52.2	46.9	41.4	38.1	36.1	37.5	38.8	39.5
75°	43.5	41.4	37.5	32.8	29.4	29.4	30.8	32.1	32.8
77.5°	33.4	32.1	28.1	24.8	23.4	23.4	24.8	25.5	26.0
80°	23.4	22.1	20.0	18.1	16.8	18.1	19.4	19.4	20.0
82.5°	15.4	14.7	13.4	12.0	12.0	12.7	13.4	14.0	14.0
85°	8.0	8.0	7.4	6.7	7.4	8.0	8.0	8.7	8.7
87.5°	2.7	2.7	2.7	2.7	3.4	3.4	3.4	3.4	3.4
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)