

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: P583286

Luminaire Tested: **HCC6W07D010BZ-HM60525827-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583286
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W07D010BZ-HM60525827-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

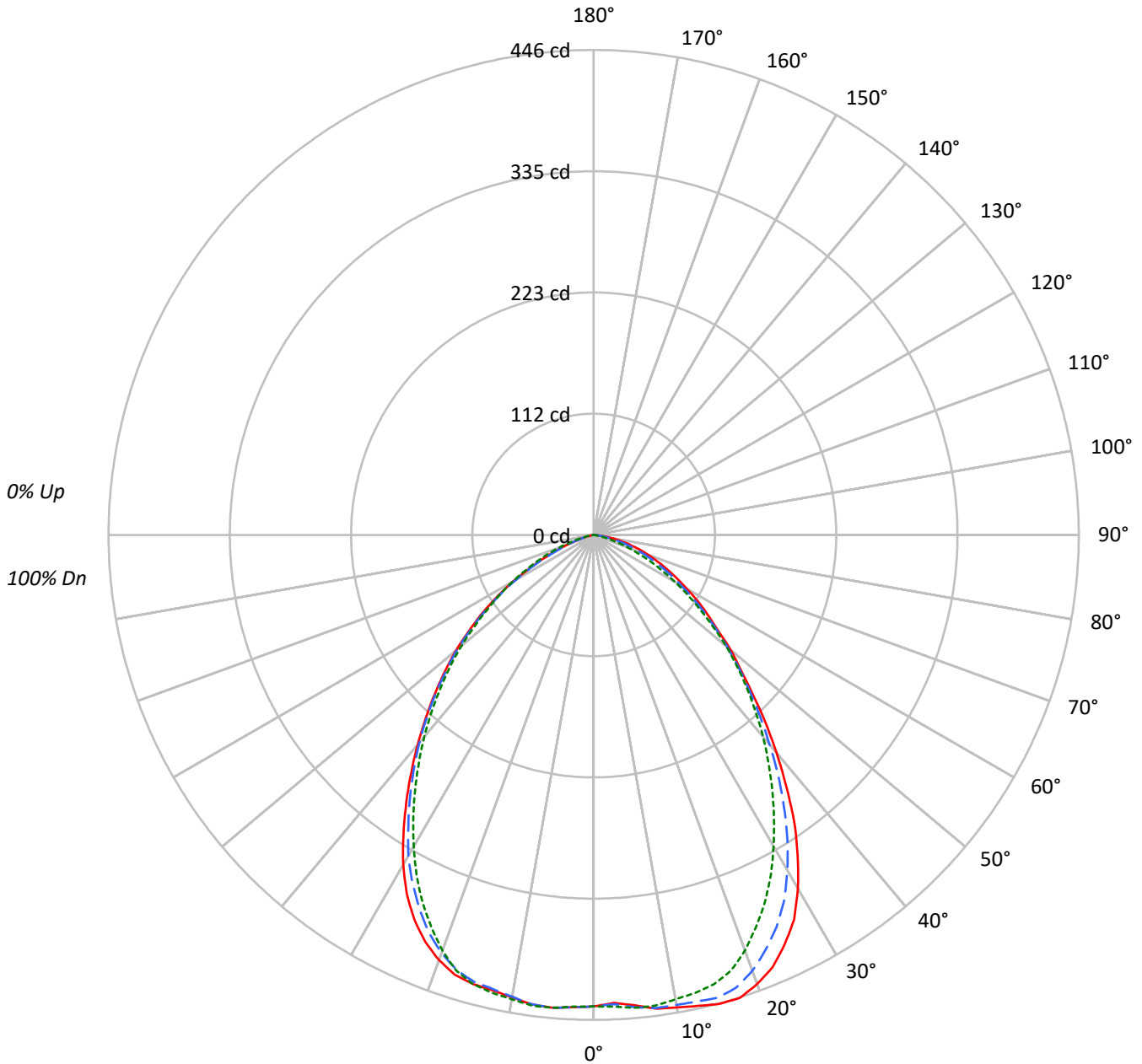
Lumens per Lamp: N/A
Luminaire Lumens: 875.4 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88								
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77								
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68								
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60								
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	62	55	50	60	54	49	58	53	49	47								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	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°	23770	23770	23770
5°	23894	24020	24020
10°	24565	24137	24042
15°	25341	24274	24274
20°	25640	23720	24269
25°	25132	22532	23602
30°	23769	20940	22168
35°	21509	19153	20090
40°	18714	17325	17998
45°	15986	15443	15986
50°	14029	13526	14081
55°	12243	11402	11851
60°	10822	9462	9341
65°	9599	7472	6408
70°	8479	5273	3863
75°	7223	2965	1864
80°	5367	916	568
85°	2893	377	377



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	4.8
10°-20°	121.7	13.9
20°-30°	177.7	20.3
30°-40°	186.4	21.3
40°-50°	157.0	17.9
50°-60°	110.0	12.6
60°-70°	59.0	6.7
70°-80°	19.8	2.3
80°-90°	2.2	0.2
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°	341.0	39.0
0°-40°	527.4	60.3
0°-60°	794.5	90.8
0°-90°	875.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	875.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	434	434	434	434	434	
5°	434	436	436	436	436	42
15°	446	441	428	425	428	126
25°	416	398	372	379	390	190
35°	321	305	286	294	300	200
45°	206	203	199	204	206	161
55°	128	124	119	122	124	115
65°	74	68	58	48	49	74
75°	34	26	14	9	9	36
85°	5	2	1	1	1	6
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°	433.6	433.6	433.6	433.6	433.6	433.6	433.6	433.6	433.6
2.5°	430.7	430.7	431.9	433.0	434.2	434.2	434.8	435.4	434.8
5°	434.2	434.2	436.0	436.5	436.5	436.0	436.5	436.5	436.5
7.5°	439.5	438.4	438.9	437.8	436.5	436.0	435.4	435.4	435.4
10°	441.3	440.1	438.9	436.5	433.6	431.9	431.3	431.9	431.9
12.5°	443.6	442.4	439.5	434.8	431.3	428.4	427.7	429.0	429.0
15°	446.5	445.4	440.7	433.0	427.7	424.9	425.4	426.6	427.7
17.5°	446.5	444.2	436.5	426.6	420.1	417.2	419.5	422.5	424.2
20°	439.5	437.1	426.6	414.2	406.6	404.8	408.9	414.2	416.0
22.5°	430.1	425.4	413.1	398.4	390.2	390.2	396.0	402.4	404.8
25°	415.5	411.8	397.8	380.8	372.5	372.0	379.0	387.8	390.2
27.5°	398.9	394.3	379.0	361.3	352.6	353.2	360.7	369.6	372.0
30°	375.5	369.6	356.1	339.0	330.8	333.1	340.8	347.3	350.2
32.5°	349.1	343.8	331.4	315.5	308.5	310.8	317.2	323.1	325.5
35°	321.4	315.5	305.0	290.8	286.2	288.5	294.4	299.1	300.2
37.5°	290.3	286.2	278.5	267.4	263.9	266.7	271.5	274.4	275.5
40°	261.5	258.0	251.5	243.3	242.1	244.4	249.1	250.8	251.5
42.5°	233.3	230.3	226.3	220.4	220.4	222.7	226.8	228.0	228.5
45°	206.2	204.5	202.7	198.0	199.2	202.1	204.5	206.2	206.2
47.5°	182.8	183.3	180.9	177.4	178.7	181.5	183.3	185.1	185.1
50°	164.5	162.8	160.4	156.9	158.6	161.0	163.4	164.5	165.1
52.5°	143.3	142.8	141.1	136.9	138.1	139.2	141.6	143.3	144.0
55°	128.1	126.3	124.0	119.3	119.3	120.4	121.7	122.8	124.0
57.5°	113.4	111.6	108.1	102.9	102.2	102.2	101.6	102.9	104.6
60°	98.7	98.1	92.8	88.1	86.3	84.6	82.3	82.8	85.2
62.5°	85.8	84.6	79.9	74.0	70.5	67.5	64.6	64.0	66.4
65°	74.0	72.9	67.5	61.7	57.6	52.3	47.6	47.6	49.4
67.5°	63.4	61.1	56.4	50.0	44.6	38.2	33.5	34.7	35.2
70°	52.9	51.1	45.9	39.3	32.9	26.4	23.5	24.1	24.1
72.5°	43.5	41.1	35.8	29.3	22.9	17.0	15.9	15.3	15.3
75°	34.1	31.7	26.4	19.9	14.0	10.0	8.8	8.8	8.8
77.5°	24.7	22.9	18.2	12.3	7.6	4.6	4.1	3.5	3.5
80°	17.0	15.3	11.2	6.5	2.9	1.8	1.8	1.8	1.8
82.5°	10.0	8.3	5.3	2.9	1.1	0.6	0.6	0.6	0.6
85°	4.6	3.5	2.4	1.1	0.6	0.6	0.6	0.6	0.6
87.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	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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Report Generated By 670245859 / DESKTOP-T8S5UU9

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

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