

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: P581558

Luminaire Tested: **HCC6W10D010MB-HM60525827-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581558
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: HCC6W10D010MB-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

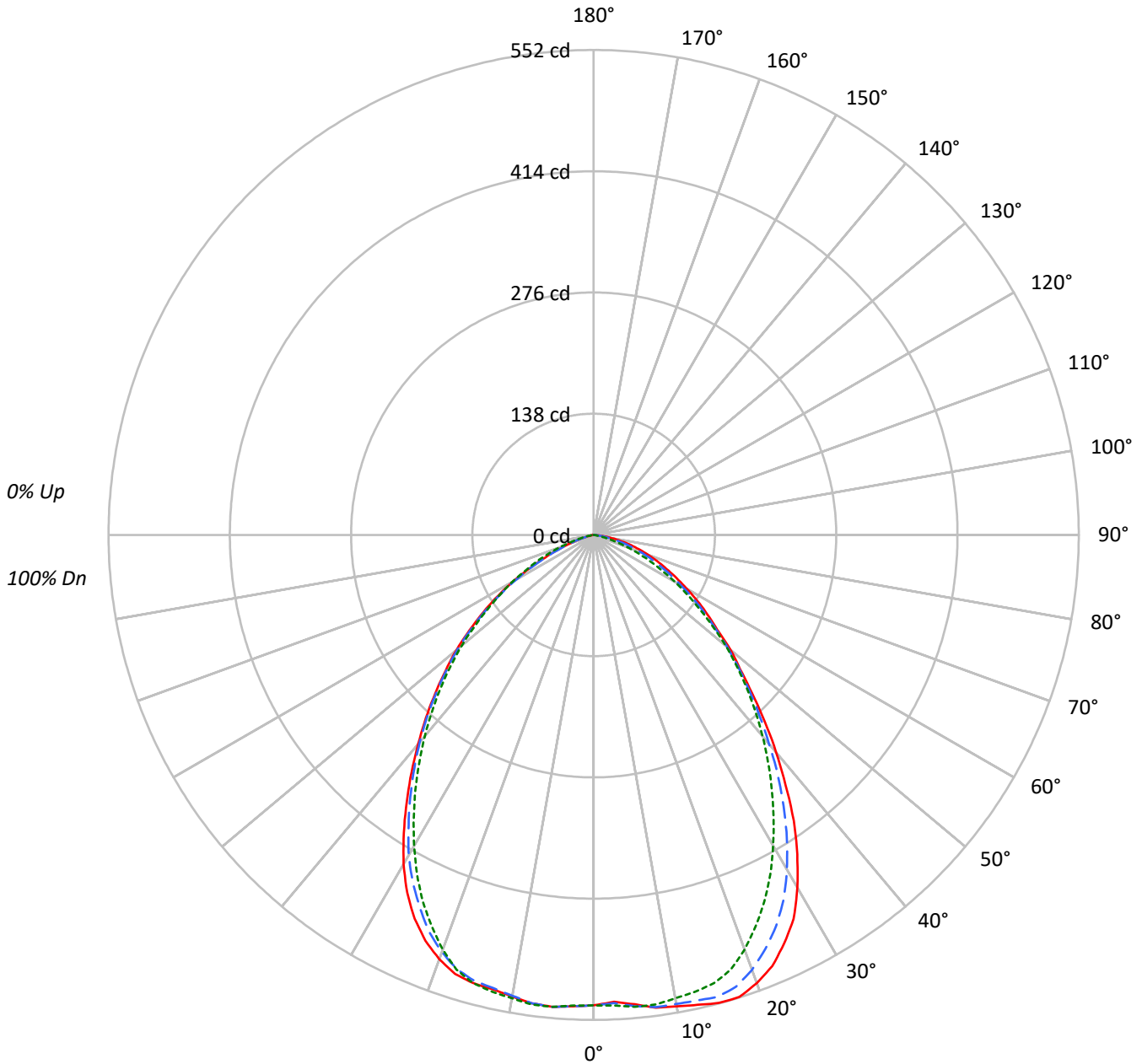
Lumens per Lamp: N/A
Luminaire Lumens: 1081.2 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P581558
CATALOG NUMBER: HCC6W10D010MB-HM60525827-61RWWC

Luminous Intensity Polar Plot



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



TEST NUMBER: P581558

CATALOG NUMBER: HCC6W10D010MB-HM60525827-61RWWC

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°	29356	29356	29356
5°	29507	29672	29672
10°	30332	29809	29692
15°	31300	29983	29983
20°	31666	29298	29974
25°	31030	27824	29149
30°	29353	25858	27378
35°	26568	23651	24815
40°	23115	21397	22227
45°	19746	19072	19746
50°	17330	16707	17390
55°	15111	14078	14642
60°	13365	11688	11545
65°	11869	9223	7900
70°	10467	6508	4776
75°	8917	3685	2309
80°	6661	1137	695
85°	3648	440	440



TEST NUMBER: P581558
 CATALOG NUMBER: HCC6W10D010MB-HM60525827-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.4	4.8
10°-20°	150.3	13.9
20°-30°	219.5	20.3
30°-40°	230.2	21.3
40°-50°	193.9	17.9
50°-60°	135.9	12.6
60°-70°	72.9	6.7
70°-80°	24.4	2.3
80°-90°	2.7	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°	421.2	39.0
0°-40°	651.4	60.2
0°-60°	981.3	90.8
0°-90°	1081.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1081.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	536	536	536	536	536	
5°	536	538	539	539	539	52
15°	552	544	528	525	528	156
25°	513	491	460	468	482	235
35°	397	377	353	364	371	246
45°	255	250	246	252	255	198
55°	158	153	147	150	153	142
65°	92	83	71	59	61	91
75°	42	33	17	11	11	45
85°	6	3	1	1	1	8
90°	0	0	0	0	0	



TEST NUMBER: P581558

CATALOG NUMBER: HCC6W10D010MB-HM60525827-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	535.5	535.5	535.5	535.5	535.5	535.5	535.5	535.5	535.5
2.5°	531.9	531.9	533.4	534.9	536.2	536.2	537.0	537.7	537.0
5°	536.2	536.2	538.5	539.2	539.2	538.5	539.2	539.2	539.2
7.5°	542.8	541.3	542.1	540.6	539.2	538.5	537.7	537.7	537.7
10°	544.9	543.6	542.1	539.2	535.5	533.4	532.6	533.4	533.4
12.5°	547.9	546.4	542.8	537.0	532.6	529.0	528.3	529.8	529.8
15°	551.5	550.0	544.3	534.9	528.3	524.7	525.4	526.8	528.3
17.5°	551.5	548.6	539.2	526.8	518.9	515.2	518.1	521.7	523.9
20°	542.8	539.9	526.8	511.6	502.2	500.0	505.1	511.6	513.8
22.5°	531.2	525.4	510.2	492.0	481.9	481.9	489.1	497.1	500.0
25°	513.0	508.7	491.3	470.2	460.0	459.4	468.1	478.9	481.9
27.5°	492.8	486.9	468.1	446.2	435.4	436.2	445.6	456.4	459.4
30°	463.7	456.4	439.8	418.7	408.5	411.5	420.9	428.9	432.5
32.5°	431.1	424.5	409.3	389.6	381.0	383.9	391.9	399.1	402.0
35°	397.0	389.6	376.6	359.2	353.4	356.4	363.6	369.4	370.8
37.5°	358.5	353.4	344.0	330.2	325.8	329.4	335.3	338.9	340.4
40°	323.0	318.5	310.6	300.4	299.0	301.9	307.7	309.8	310.6
42.5°	288.1	284.5	279.4	272.1	272.1	275.1	280.1	281.5	282.3
45°	254.7	252.5	250.4	244.5	246.0	249.6	252.5	254.7	254.7
47.5°	225.7	226.4	223.5	219.2	220.6	224.2	226.4	228.6	228.6
50°	203.2	201.0	198.1	193.8	195.9	198.8	201.7	203.2	203.9
52.5°	177.0	176.4	174.2	169.1	170.5	172.0	174.9	177.0	177.8
55°	158.1	156.0	153.2	147.3	147.3	148.7	150.2	151.7	153.2
57.5°	140.0	137.9	133.6	127.0	126.2	126.2	125.5	127.0	129.2
60°	121.9	121.2	114.7	108.9	106.6	104.5	101.5	102.3	105.3
62.5°	106.0	104.5	98.7	91.5	87.1	83.4	79.8	79.1	82.0
65°	91.5	90.0	83.4	76.2	71.1	64.6	58.8	58.8	60.9
67.5°	78.3	75.5	69.6	61.7	55.1	47.2	41.3	42.8	43.6
70°	65.3	63.2	56.6	48.7	40.6	32.6	29.0	29.8	29.8
72.5°	53.7	50.8	44.3	36.3	28.3	21.1	19.6	18.9	18.9
75°	42.1	39.2	32.6	24.7	17.4	12.3	10.9	10.9	10.9
77.5°	30.5	28.3	22.5	15.3	9.4	5.8	5.1	4.3	4.3
80°	21.1	18.9	13.8	8.0	3.6	2.2	2.2	2.2	2.2
82.5°	12.3	10.2	6.6	3.6	1.5	0.7	0.7	0.7	0.7
85°	5.8	4.3	2.9	1.5	0.7	0.7	0.7	0.7	0.7
87.5°	0.7	0.7	0.7	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

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)