

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: P581739

Luminaire Tested: **HCC6W15D010BZ-HM60525835-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581739
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: HCC6W15D010BZ-HM60525835-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

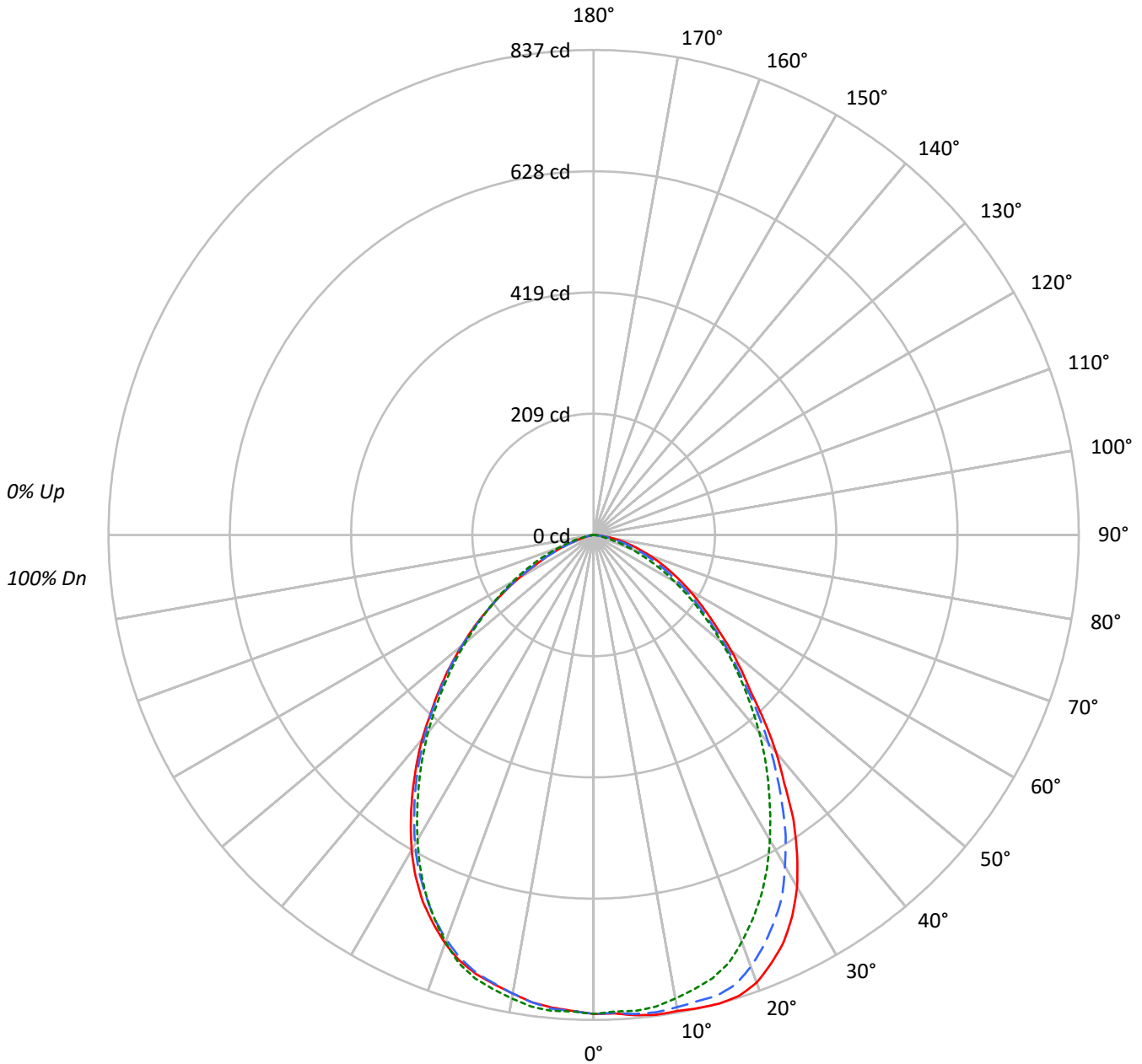
Lumens per Lamp: N/A
Luminaire Lumens: 1619.8 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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: P581739
CATALOG NUMBER: HCC6W15D010BZ-HM60525835-61RWWH

Luminous Intensity Polar Plot





TEST NUMBER: P581739

CATALOG NUMBER: HCC6W15D010BZ-HM60525835-61RWWH

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			100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77			77
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67			67
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59			59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53			53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47			47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42			42
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38			38
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32			32

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	45314	45314	45314
5°	45790	45372	45069
10°	46436	45229	44750
15°	47526	44949	44518
20°	47972	43608	43736
25°	46920	41416	42202
30°	44437	38474	39772
35°	40241	35161	36466
40°	35037	31788	32955
45°	29732	28142	29143
50°	26327	24579	25227
55°	23196	21027	20912
60°	20777	17696	16282
65°	18549	14191	11661
70°	16317	10242	7293
75°	13768	6206	4130
80°	10607	2715	1705
85°	6164	692	692



TEST NUMBER: P581739

CATALOG NUMBER: HCC6W15D010BZ-HM60525835-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	4.8
10°-20°	225.5	13.9
20°-30°	326.0	20.1
30°-40°	343.0	21.2
40°-50°	288.4	17.8
50°-60°	202.4	12.5
60°-70°	111.3	6.9
70°-80°	39.5	2.4
80°-90°	5.2	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°	630.0	38.9
0°-40°	973.0	60.1
0°-60°	1463.7	90.4
0°-90°	1619.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1619.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	827	827	827	827	827	
5°	832	830	824	821	819	80
15°	837	823	792	782	784	236
25°	776	737	685	686	698	355
35°	601	567	525	536	545	373
45°	384	373	363	372	376	301
55°	243	230	220	220	219	218
65°	143	128	109	90	90	142
75°	65	52	29	20	20	70
85°	10	5	1	1	1	13
90°	0	0	0	0	0	

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



TEST NUMBER: P581739

CATALOG NUMBER: HCC6W15D010BZ-HM60525835-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	826.6	826.6	826.6	826.6	826.6	826.6	826.6	826.6	826.6
2.5°	826.6	826.6	825.5	825.5	823.3	823.3	822.3	822.3	822.3
5°	832.1	832.1	829.9	826.6	824.5	821.2	821.2	820.2	819.0
7.5°	835.2	834.2	830.9	826.6	821.2	815.8	813.6	814.7	813.6
10°	834.2	832.1	827.8	819.0	812.5	804.9	803.9	802.8	803.9
12.5°	836.4	833.1	824.5	813.6	802.8	794.2	793.0	793.0	794.2
15°	837.4	834.2	823.3	807.1	792.0	783.3	782.2	783.3	784.4
17.5°	834.2	829.9	813.6	792.0	774.6	765.9	765.9	768.2	770.3
20°	822.3	815.8	793.0	767.0	747.5	741.0	743.2	747.5	749.7
22.5°	800.6	793.0	767.0	737.8	717.2	711.8	717.2	722.7	724.8
25°	775.7	767.0	736.7	706.3	684.7	678.2	685.8	694.4	697.7
27.5°	742.1	732.4	704.2	669.5	647.9	644.6	653.3	663.1	665.2
30°	702.0	691.2	659.8	627.3	607.8	606.7	616.4	625.2	628.3
32.5°	653.3	643.5	616.4	584.0	566.6	566.6	576.4	584.0	587.2
35°	601.3	590.4	566.6	539.6	525.4	526.5	536.3	541.7	544.9
37.5°	539.6	536.3	517.9	495.1	485.3	487.5	495.1	499.4	502.7
40°	489.6	481.0	469.1	450.7	444.2	446.4	453.9	458.3	460.5
42.5°	435.5	430.1	420.4	407.4	403.0	406.2	412.8	416.0	415.0
45°	383.5	382.4	372.7	365.1	363.0	367.3	371.6	374.9	375.9
47.5°	345.6	341.3	332.6	327.2	325.1	329.4	333.7	335.8	335.8
50°	308.7	304.4	295.8	290.3	288.2	292.5	295.8	297.9	295.8
52.5°	271.9	267.6	260.0	253.6	252.4	254.6	255.7	256.7	258.9
55°	242.7	238.4	229.7	222.1	220.0	221.0	220.0	220.0	218.8
57.5°	214.5	210.2	201.5	192.8	189.5	188.5	185.2	184.2	183.1
60°	189.5	184.2	175.5	165.7	161.4	157.1	151.6	148.5	148.5
62.5°	165.7	160.4	150.6	141.9	135.4	127.8	119.2	114.9	114.9
65°	143.0	138.7	127.8	118.0	109.4	99.7	89.9	87.7	89.9
67.5°	121.3	117.0	106.1	96.5	85.6	73.7	65.0	65.0	67.2
70°	101.8	97.5	87.7	75.8	63.9	52.0	45.5	45.5	45.5
72.5°	83.4	79.1	68.2	57.4	45.5	33.6	30.3	31.4	30.3
75°	65.0	61.7	52.0	40.1	29.3	20.5	19.5	18.4	19.5
77.5°	48.8	45.5	36.9	26.0	16.2	11.9	10.8	10.8	10.8
80°	33.6	30.3	23.8	15.2	8.6	5.4	5.4	5.4	5.4
82.5°	20.5	17.4	13.1	7.6	3.3	3.3	3.3	3.3	3.3
85°	9.8	7.6	5.4	2.2	1.1	1.1	1.1	1.1	1.1
87.5°	2.2	2.2	1.1	1.1	0.0	1.1	1.1	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)