

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: P581747

Luminaire Tested: **HCC6S15D010MB-HM60525835-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S15D010MB-HM60525835-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

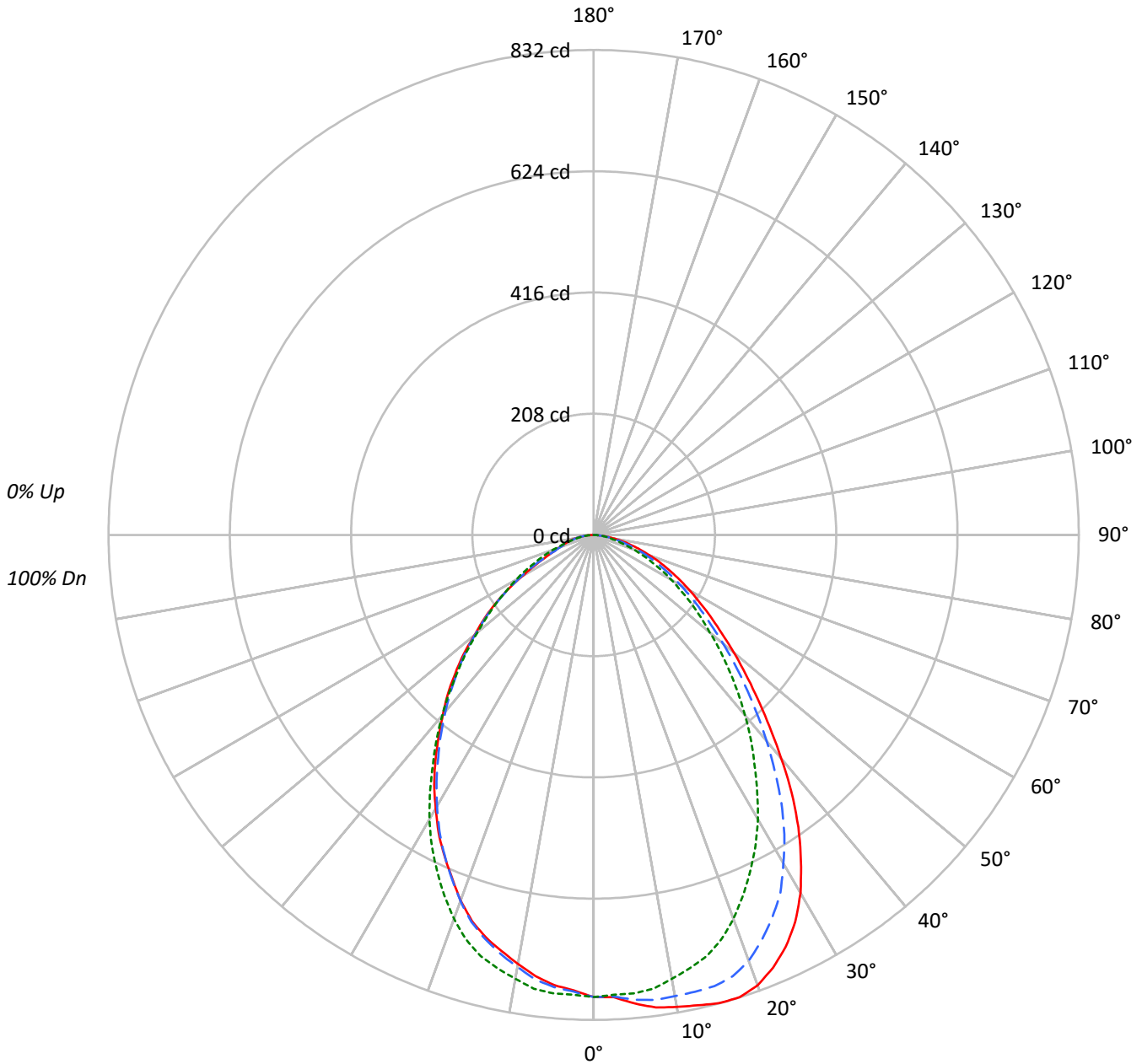
Lumens per Lamp: N/A
Luminaire Lumens: 1552.5 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): 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: P581747
CATALOG NUMBER: HCC6S15D010MB-HM60525835-61WWWB

Luminous Intensity Polar Plot





TEST NUMBER: P581747
 CATALOG NUMBER: HCC6S15D010MB-HM60525835-61WWWB

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	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76								
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66								
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58								
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52								
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	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	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	43461	43461	43461
5°	44403	43446	42670
10°	45763	43046	41599
15°	47202	42475	40568
20°	47960	40878	38923
25°	47162	38452	36686
30°	44906	35651	34277
35°	40950	32183	31675
40°	35810	28904	28754
45°	30817	25437	26026
50°	26788	22166	22635
55°	23397	19459	19670
60°	20777	16863	15426
65°	18549	14191	11804
70°	16317	11621	9889
75°	14001	9193	9404
80°	11302	7861	9250
85°	7485	6793	8240



TEST NUMBER: P581747
 CATALOG NUMBER: HCC6S15D010MB-HM60525835-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	4.8
10°-20°	213.7	13.8
20°-30°	305.0	19.6
30°-40°	319.5	20.6
40°-50°	269.0	17.3
50°-60°	191.5	12.3
60°-70°	112.1	7.2
70°-80°	53.0	3.4
80°-90°	13.6	0.9
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°	593.8	38.2
0°-40°	913.3	58.8
0°-60°	1373.8	88.5
0°-90°	1552.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1552.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	793	793	793	793	793	
5°	807	800	790	779	775	78
15°	832	801	748	718	715	235
25°	780	725	636	605	606	357
35°	612	561	481	465	473	380
45°	398	368	328	329	336	309
55°	245	224	204	204	206	221
65°	143	127	109	92	91	143
75°	66	55	43	42	44	71
85°	12	10	11	13	13	15
90°	0	0	0	0	0	

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



TEST NUMBER: P581747

CATALOG NUMBER: HCC6S15D010MB-HM60525835-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	792.8	792.8	792.8	792.8	792.8	792.8	792.8	792.8	792.8
2.5°	793.8	793.8	792.8	791.7	789.5	786.3	784.2	782.0	782.0
5°	806.9	804.7	800.4	795.0	789.5	783.0	778.7	775.4	775.4
7.5°	817.7	813.3	804.7	795.0	785.2	776.6	769.0	764.6	763.5
10°	822.1	816.6	803.6	788.5	773.3	761.4	752.7	747.3	747.3
12.5°	826.4	819.9	802.6	780.9	761.4	745.1	736.5	732.2	731.1
15°	831.7	823.1	801.4	774.4	748.4	730.0	718.1	714.8	714.8
17.5°	831.7	820.9	793.8	760.3	727.8	707.2	696.4	693.1	694.3
20°	822.1	810.2	777.6	736.5	700.7	679.1	668.3	666.1	667.2
22.5°	803.6	789.5	752.7	708.4	669.3	646.6	636.8	636.8	635.7
25°	779.7	764.6	724.6	677.9	635.7	613.0	605.4	606.5	606.5
27.5°	748.4	733.2	693.1	643.3	601.1	578.4	572.9	575.1	576.1
30°	709.4	693.1	650.9	602.2	563.2	540.5	537.2	540.5	541.5
32.5°	661.7	649.8	608.7	558.9	522.0	502.6	501.4	504.7	509.0
35°	611.9	598.9	561.0	515.5	480.9	464.7	464.7	470.0	473.3
37.5°	557.7	544.8	510.1	472.2	443.0	427.8	429.9	435.4	436.5
40°	500.4	490.7	461.4	428.9	403.9	392.0	395.3	400.8	401.8
42.5°	446.2	437.5	413.7	384.5	366.0	357.4	361.7	368.2	370.4
45°	397.5	387.7	368.2	343.3	328.1	323.8	329.3	333.6	335.7
47.5°	353.1	344.4	328.1	305.4	294.6	292.4	297.8	300.0	302.1
50°	314.1	305.4	289.2	268.5	259.9	259.9	264.2	266.4	265.4
52.5°	276.1	268.5	253.4	236.1	230.7	230.7	233.9	235.1	237.2
55°	244.8	237.2	224.2	207.9	203.6	201.5	203.6	203.6	205.8
57.5°	215.5	209.1	197.1	181.9	176.5	174.3	173.3	172.2	174.3
60°	189.5	184.1	171.2	158.1	153.8	148.3	144.0	139.7	140.7
62.5°	165.7	160.3	148.3	135.4	131.1	123.5	118.0	112.6	114.7
65°	143.0	137.6	126.7	115.9	109.4	100.7	92.0	88.8	91.0
67.5°	122.4	118.0	107.3	96.4	91.0	81.3	72.5	72.5	73.7
70°	101.8	97.5	88.8	79.1	72.5	63.9	60.6	61.7	61.7
72.5°	83.4	80.1	71.5	62.8	56.3	50.8	50.8	52.0	53.1
75°	66.1	63.9	55.3	47.7	43.4	40.1	42.2	43.4	44.4
77.5°	50.8	47.7	41.2	35.8	32.5	33.6	35.8	36.8	37.9
80°	35.8	34.6	29.3	26.0	24.9	26.0	28.1	29.3	29.3
82.5°	22.7	21.7	18.4	17.4	17.4	18.4	20.5	20.5	20.5
85°	11.9	10.8	9.8	9.8	10.8	11.9	13.1	13.1	13.1
87.5°	4.3	3.3	4.3	4.3	5.4	5.4	5.4	5.4	5.4
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)