

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: P581729

Luminaire Tested: **HCC6W15D010SL-HM60525830-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581729
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: HCC6W15D010SL-HM60525830-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

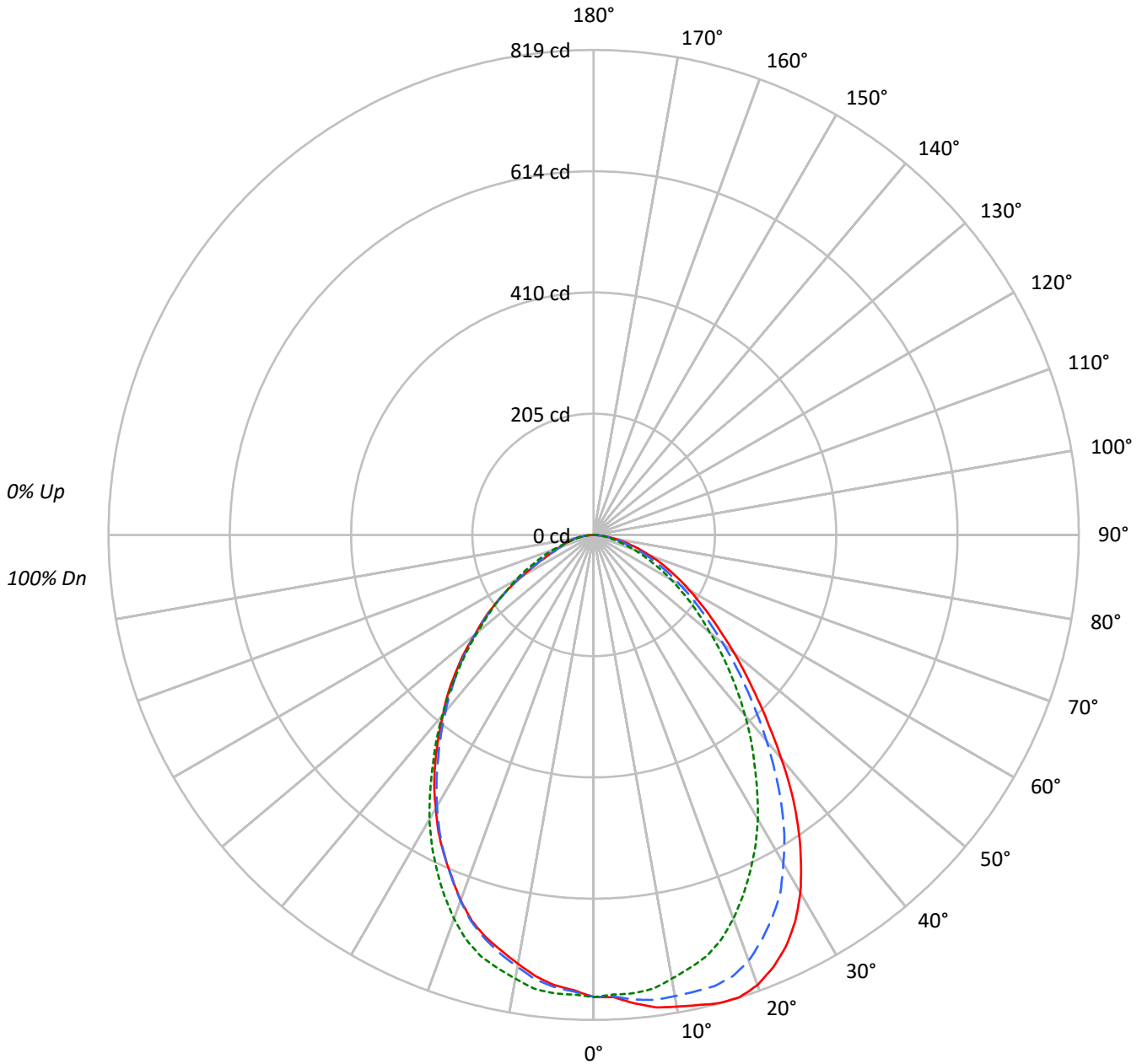
Lumens per Lamp: N/A
Luminaire Lumens: 1528.0 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 14
Input Voltage (V): NR
Input Current (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: P581729
CATALOG NUMBER: HCC6W15D010SL-HM60525830-61WWWB

Luminous Intensity Polar Plot





TEST NUMBER: P581729

CATALOG NUMBER: HCC6W15D010SL-HM60525830-61WWWB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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°	42776	42776	42776
5°	43704	42758	41999
10°	45034	42362	40942
15°	46465	41799	39926
20°	47196	40230	38305
25°	46424	37847	36105
30°	44190	35088	33739
35°	40301	31675	31173
40°	35245	28453	28296
45°	30329	25041	25615
50°	26370	21816	22276
55°	23015	19153	19354
60°	20459	16600	15196
65°	18251	13970	11623
70°	16060	11444	9729
75°	13768	9044	9256
80°	11113	7735	9092
85°	7359	6730	8051



TEST NUMBER: P581729
 CATALOG NUMBER: HCC6W15D010SL-HM60525830-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	4.8
10°-20°	210.3	13.8
20°-30°	300.2	19.6
30°-40°	314.5	20.6
40°-50°	264.8	17.3
50°-60°	188.5	12.3
60°-70°	110.3	7.2
70°-80°	52.2	3.4
80°-90°	13.4	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°	584.4	38.2
0°-40°	898.9	58.8
0°-60°	1352.1	88.5
0°-90°	1528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1528.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	780	780	780	780	780	
5°	794	788	777	766	763	76
15°	819	789	736	707	704	231
25°	768	713	626	596	597	351
35°	602	552	473	457	466	374
45°	391	362	323	324	330	304
55°	241	221	200	200	202	217
65°	141	125	108	91	90	140
75°	65	54	43	42	44	70
85°	12	10	11	13	13	15
90°	0	0	0	0	0	



TEST NUMBER: P581729

CATALOG NUMBER: HCC6W15D010SL-HM60525830-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.3
2.5°	781.3	781.3	780.3	779.2	777.0	773.8	771.7	769.6	769.6
5°	794.2	792.0	787.7	782.4	777.0	770.7	766.4	763.2	763.2
7.5°	804.8	800.5	792.0	782.4	772.8	764.3	756.8	752.5	751.5
10°	809.0	803.7	790.9	776.0	761.0	749.3	740.8	735.5	735.5
12.5°	813.3	806.9	789.8	768.5	749.3	733.3	724.8	720.6	719.5
15°	818.7	810.0	788.8	762.2	736.5	718.5	706.8	703.5	703.5
17.5°	818.7	808.0	781.3	748.3	716.3	696.1	685.4	682.2	683.3
20°	809.0	797.3	765.3	724.8	689.6	668.3	657.7	655.6	656.6
22.5°	790.9	777.0	740.8	697.1	658.8	636.4	626.7	626.7	625.7
25°	767.5	752.5	713.1	667.3	625.7	603.4	595.9	596.9	596.9
27.5°	736.5	721.6	682.2	633.2	591.6	569.2	563.9	566.0	567.0
30°	698.1	682.2	640.6	592.7	554.3	531.9	528.7	531.9	533.0
32.5°	651.3	639.6	599.1	550.0	513.8	494.6	493.5	496.7	501.0
35°	602.2	589.4	552.2	507.3	473.3	457.3	457.3	462.6	465.8
37.5°	549.0	536.2	502.0	464.8	436.0	421.1	423.1	428.5	429.6
40°	492.5	482.8	454.1	422.1	397.6	385.9	389.1	394.4	395.4
42.5°	439.1	430.6	407.2	378.4	360.2	351.7	356.0	362.4	364.6
45°	391.2	381.6	362.4	337.9	323.0	318.7	324.0	328.4	330.4
47.5°	347.5	338.9	323.0	300.5	289.9	287.8	293.2	295.2	297.4
50°	309.2	300.5	284.7	264.3	255.8	255.8	260.1	262.2	261.2
52.5°	271.8	264.3	249.5	232.3	227.0	227.0	230.3	231.3	233.5
55°	240.8	233.5	220.6	204.6	200.4	198.3	200.4	200.4	202.5
57.5°	212.1	205.8	194.0	179.1	173.8	171.6	170.6	169.5	171.6
60°	186.6	181.3	168.4	155.6	151.4	146.1	141.8	137.4	138.6
62.5°	163.1	157.8	146.1	133.2	128.9	121.6	116.2	110.9	112.9
65°	140.7	135.4	124.7	114.1	107.7	99.1	90.6	87.4	89.6
67.5°	120.4	116.2	105.6	94.9	89.6	79.9	71.4	71.4	72.5
70°	100.2	95.9	87.4	77.9	71.4	62.9	59.7	60.7	60.7
72.5°	82.1	78.9	70.4	61.9	55.4	50.1	50.1	51.2	52.2
75°	65.0	62.9	54.4	46.9	42.7	39.4	41.5	42.7	43.7
77.5°	50.1	46.9	40.5	35.2	32.0	33.0	35.2	36.2	37.3
80°	35.2	34.2	28.8	25.5	24.5	25.5	27.7	28.8	28.8
82.5°	22.4	21.3	18.2	17.0	17.0	18.2	20.2	20.2	20.2
85°	11.7	10.7	9.6	9.6	10.7	11.7	12.8	12.8	12.8
87.5°	4.3	3.2	4.3	4.3	5.3	5.3	5.3	5.3	5.3
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)