

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: P593247

Luminaire Tested: **HCC6S35D010MW-HM63040850-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S35D010MW-HM63040850-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

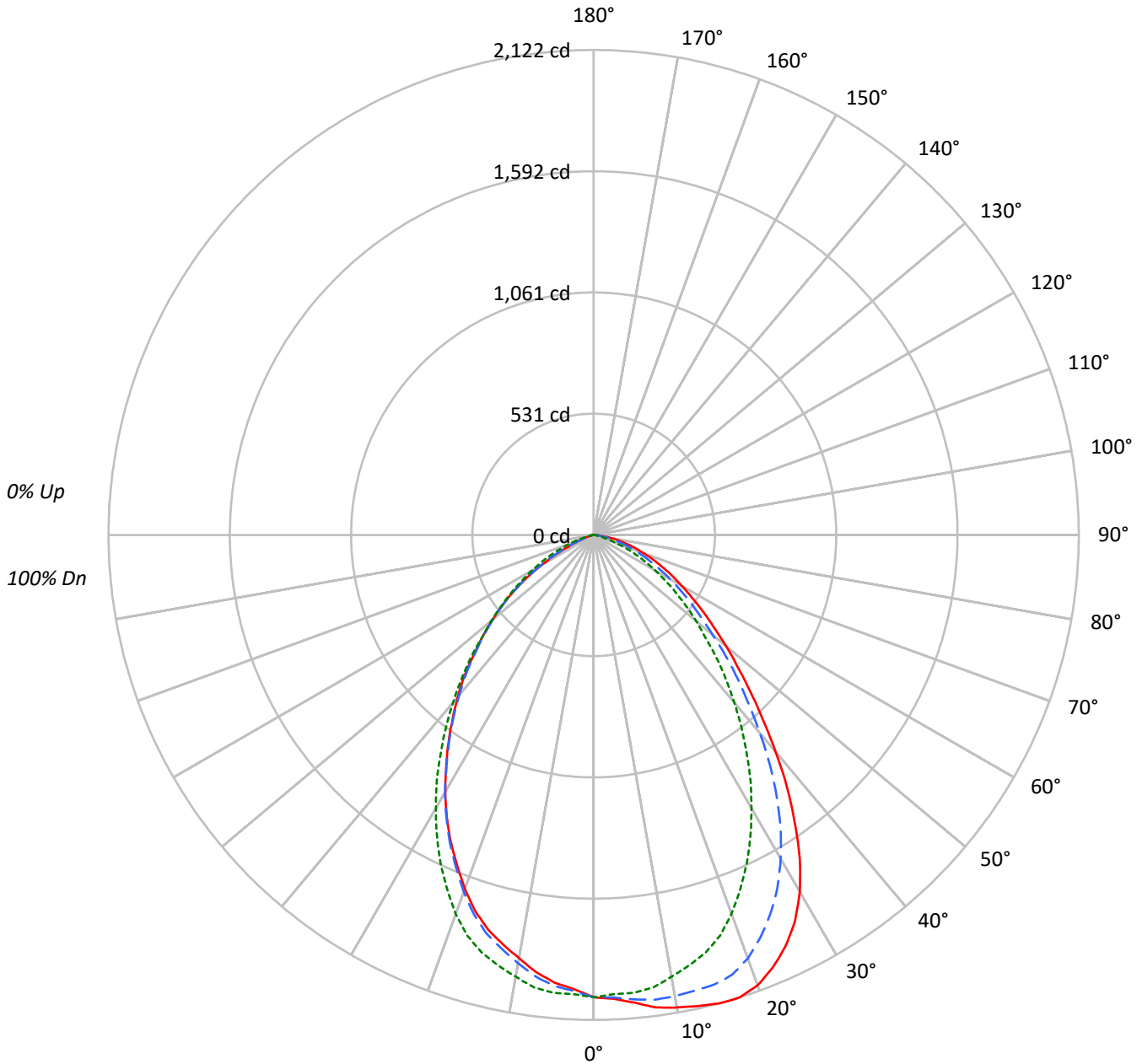
Lumens per Lamp: N/A
Luminaire Lumens: 3604.9 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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: P593247
CATALOG NUMBER: HCC6S35D010MW-HM63040850-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P593247

CATALOG NUMBER: HCC6S35D010MW-HM63040850-61WWBB

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	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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89					89			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78					78			
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69					69			
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61					61			
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54					54			
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49					49			
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44					44			
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40					40			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37					37			
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34					34			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	110896	110896	110896
5°	113047	110697	108188
10°	116887	109278	104685
15°	120460	107384	101408
20°	122330	102909	96101
25°	120128	95860	89491
30°	114182	87349	82127
35°	102633	78066	74070
40°	88566	68414	66174
45°	74992	58898	57355
50°	64305	49747	49252
55°	55750	41881	40247
60°	48658	33999	28704
65°	42806	26203	15864
70°	36945	17327	7742
75°	31348	8430	3008
80°	24246	3599	1799
85°	14341	1761	1761



TEST NUMBER: P593247
 CATALOG NUMBER: HCC6S35D010MW-HM63040850-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.9	5.3
10°-20°	539.8	15.0
20°-30°	760.2	21.1
30°-40°	776.7	21.5
40°-50°	626.2	17.4
50°-60°	420.0	11.7
60°-70°	212.6	5.9
70°-80°	67.9	1.9
80°-90°	10.5	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°	1490.9	41.4
0°-40°	2267.7	62.9
0°-60°	3314.0	91.9
0°-90°	3604.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3604.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2023	2023	2023	2023	2023	
5°	2054	2040	2012	1980	1966	198
15°	2122	2037	1892	1807	1787	599
25°	1986	1830	1585	1488	1480	909
35°	1534	1394	1166	1101	1107	954
45°	967	890	760	734	740	752
55°	583	518	438	418	421	525
65°	330	273	202	134	122	329
75°	148	105	40	14	14	159
85°	23	11	3	3	3	31
90°	0	0	0	0	0	

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



TEST NUMBER: P593247

CATALOG NUMBER: HCC6S35D010MW-HM63040850-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2022.9	2022.9	2022.9	2022.9	2022.9	2022.9	2022.9	2022.9	2022.9
2.5°	2031.5	2028.6	2025.8	2020.1	2011.6	2003.0	1997.3	1991.6	1988.8
5°	2054.3	2048.6	2040.0	2028.6	2011.6	1991.6	1980.3	1968.8	1966.0
7.5°	2085.5	2074.1	2051.4	2025.8	1997.3	1968.8	1949.0	1937.6	1929.1
10°	2099.8	2079.8	2048.6	2005.8	1963.1	1929.1	1903.4	1886.3	1880.6
12.5°	2111.1	2088.3	2042.8	1986.0	1929.1	1883.5	1855.1	1840.8	1835.1
15°	2122.5	2099.8	2037.1	1963.1	1892.1	1838.0	1806.7	1792.5	1786.8
17.5°	2122.5	2091.3	2017.3	1923.3	1838.0	1772.6	1741.3	1727.0	1724.2
20°	2096.9	2062.8	1971.8	1860.8	1764.0	1690.0	1661.6	1653.1	1647.3
22.5°	2048.6	2008.8	1906.3	1781.1	1675.8	1604.7	1573.3	1567.7	1562.0
25°	1986.0	1946.1	1829.5	1695.8	1584.8	1513.6	1488.0	1482.3	1479.5
27.5°	1906.3	1863.6	1741.3	1604.7	1485.2	1416.9	1394.1	1394.1	1391.3
30°	1803.8	1755.5	1636.0	1499.4	1379.9	1317.3	1300.3	1300.3	1297.4
32.5°	1678.6	1630.3	1522.2	1391.3	1277.5	1212.0	1197.8	1203.5	1200.7
35°	1533.6	1493.8	1394.1	1266.1	1166.5	1106.8	1101.1	1106.8	1106.8
37.5°	1388.5	1351.5	1266.1	1155.1	1061.3	1007.2	1007.2	1015.8	1012.8
40°	1237.6	1209.2	1129.5	1032.8	956.0	919.0	913.3	921.8	924.7
42.5°	1095.3	1072.6	1004.3	924.7	856.3	819.5	828.0	833.6	836.5
45°	967.3	944.6	890.5	808.0	759.7	734.0	734.0	742.6	739.8
47.5°	853.5	836.5	782.5	702.8	660.1	648.7	654.3	660.1	660.1
50°	754.0	728.3	677.2	614.5	583.3	569.0	574.7	577.5	577.5
52.5°	660.1	643.0	591.8	535.0	506.5	498.0	498.0	500.8	500.8
55°	583.3	563.3	517.8	461.0	438.2	426.8	418.3	415.5	421.1
57.5°	509.3	492.2	449.5	395.5	369.8	358.5	341.5	335.7	341.5
60°	443.8	429.6	387.0	335.7	310.1	287.3	267.5	256.0	261.8
62.5°	387.0	369.8	327.2	284.5	256.0	230.5	199.2	182.1	190.6
65°	330.0	315.8	273.2	230.5	202.0	170.7	133.7	122.3	122.3
67.5°	278.8	264.6	224.8	187.8	153.7	116.7	82.5	79.7	82.5
70°	230.5	216.2	182.1	145.1	108.1	71.2	48.3	48.3	48.3
72.5°	190.6	173.5	142.3	105.3	68.3	37.0	25.6	28.5	28.5
75°	148.0	133.7	105.3	71.2	39.8	17.0	14.2	14.2	14.2
77.5°	111.0	99.5	74.0	45.5	20.0	5.7	5.7	5.7	5.7
80°	76.8	65.5	48.3	28.5	11.4	5.7	5.7	5.7	5.7
82.5°	45.5	39.8	28.5	14.2	5.7	2.8	2.8	2.8	2.8
85°	22.8	20.0	11.4	5.7	2.8	2.8	2.8	2.8	2.8
87.5°	5.7	5.7	2.8	2.8	0.0	2.8	2.8	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)