

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: P582178

Luminaire Tested: **HCC6S30D010MB-HM63040835-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S30D010MB-HM63040835-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

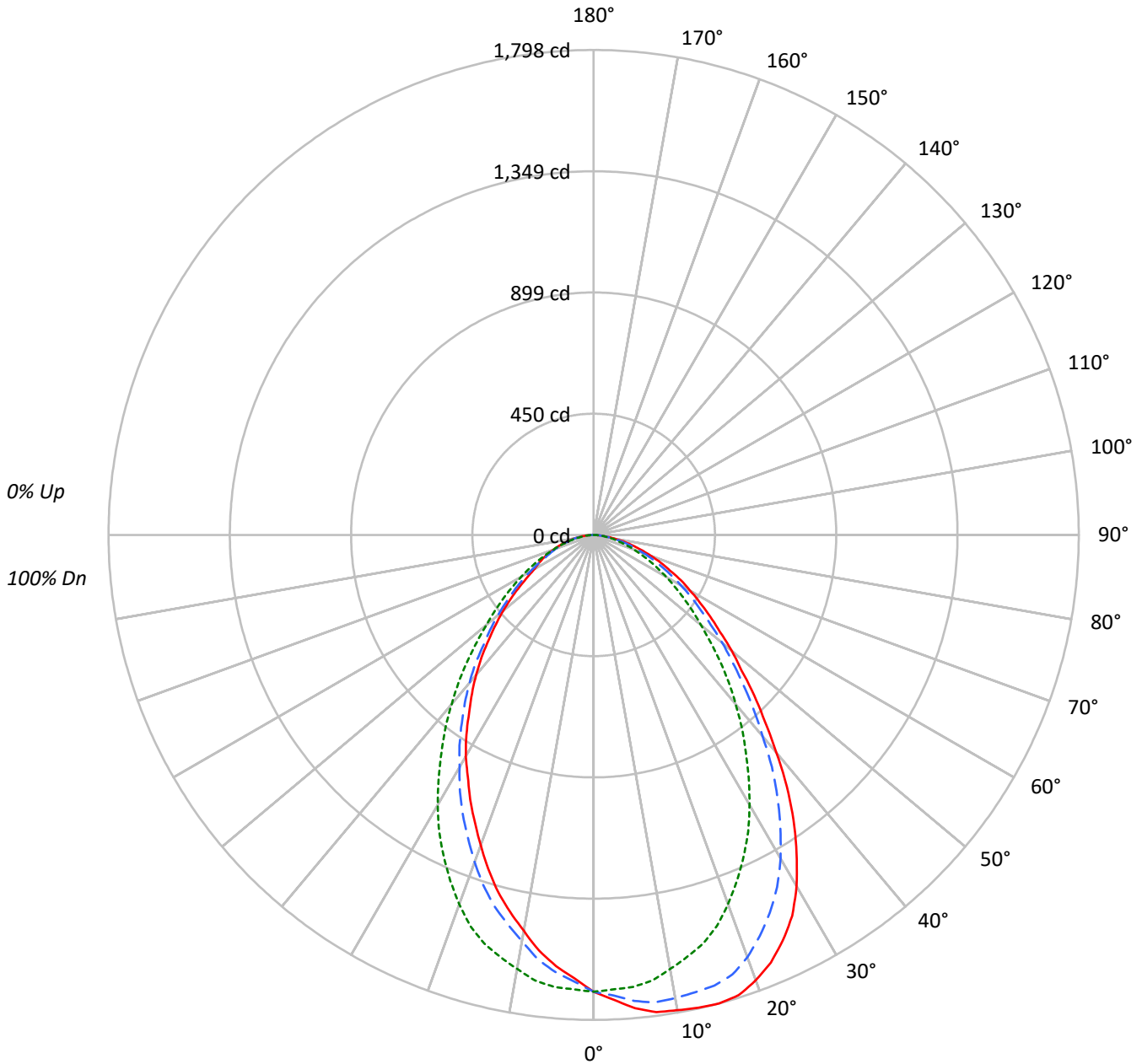
Lumens per Lamp: N/A
Luminaire Lumens: 3154.3 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P582178
CATALOG NUMBER: HCC6S30D010MB-HM63040835-61WWW

Luminous Intensity Polar Plot





TEST NUMBER: P582178

CATALOG NUMBER: HCC6S30D010MB-HM63040835-61WWW

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	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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76								
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66								
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58								
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51								
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	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	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	92832	92832	92832
5°	96946	92560	88289
10°	99592	90958	82970
15°	102055	88996	77736
20°	102506	84958	71395
25°	100355	79541	65484
30°	95217	73144	60016
35°	86478	65732	53840
40°	75355	58553	48441
45°	65201	51246	42578
50°	56945	44118	37321
55°	50321	38775	32028
60°	45227	33989	27739
65°	40497	29562	26903
70°	36176	25213	25213
75°	31369	21223	23638
80°	25193	17995	21594
85°	17171	15788	18618



TEST NUMBER: P582178
 CATALOG NUMBER: HCC6S30D010MB-HM63040835-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	5.0
10°-20°	442.4	14.0
20°-30°	616.5	19.5
30°-40°	635.2	20.1
40°-50°	526.5	16.7
50°-60°	378.3	12.0
60°-70°	240.9	7.6
70°-80°	123.7	3.9
80°-90°	31.5	1.0
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°	1218.1	38.6
0°-40°	1853.3	58.8
0°-60°	2758.1	87.4
0°-90°	3154.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3154.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1693	1693	1693	1693	1693	
5°	1762	1734	1682	1627	1604	169
15°	1798	1730	1568	1424	1370	507
25°	1659	1545	1315	1146	1083	760
35°	1292	1187	982	852	804	803
45°	841	782	661	576	549	651
55°	526	483	406	360	335	474
65°	312	278	228	198	207	313
75°	148	128	100	105	112	158
85°	27	25	25	27	30	35
90°	0	0	0	0	0	

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



TEST NUMBER: P582178

CATALOG NUMBER: HCC6S30D010MB-HM63040835-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4
2.5°	1725.2	1718.5	1709.3	1700.2	1686.5	1670.5	1656.9	1652.4	1645.5
5°	1761.7	1752.6	1734.4	1711.6	1682.0	1652.4	1627.3	1611.3	1604.4
7.5°	1784.6	1773.2	1748.1	1709.3	1666.0	1622.7	1586.2	1563.4	1554.4
10°	1789.1	1777.7	1743.4	1691.1	1634.0	1574.8	1529.3	1501.9	1490.5
12.5°	1795.9	1779.9	1736.7	1675.1	1602.2	1533.8	1476.9	1442.6	1431.2
15°	1798.2	1779.9	1729.8	1654.6	1568.1	1485.9	1424.4	1383.4	1369.7
17.5°	1789.1	1768.5	1709.3	1618.1	1520.1	1433.6	1360.6	1317.3	1299.1
20°	1757.1	1734.4	1666.0	1563.4	1456.3	1365.2	1289.9	1244.4	1223.8
22.5°	1716.1	1686.5	1609.1	1499.7	1387.9	1292.2	1217.1	1171.4	1151.0
25°	1659.1	1631.8	1545.2	1428.9	1315.0	1214.8	1146.3	1098.5	1082.6
27.5°	1593.0	1561.2	1472.2	1356.1	1239.8	1139.5	1073.4	1030.1	1009.6
30°	1504.2	1474.6	1385.7	1269.5	1155.5	1062.0	993.6	957.3	948.1
32.5°	1399.3	1374.2	1287.7	1178.3	1068.9	982.2	925.3	886.5	877.5
35°	1292.2	1262.6	1187.3	1084.8	982.2	904.8	852.4	818.2	804.5
37.5°	1176.0	1148.7	1084.8	993.6	902.6	829.6	784.0	754.4	740.7
40°	1053.0	1032.4	973.2	900.2	818.2	754.4	715.7	690.6	676.9
42.5°	939.0	918.5	877.5	809.1	740.7	683.7	649.6	626.7	615.3
45°	841.0	822.8	781.8	722.4	661.0	613.0	576.5	560.6	549.2
47.5°	743.0	733.9	697.3	642.7	585.7	544.7	519.6	501.4	492.2
50°	667.7	656.3	622.2	565.3	517.3	485.5	462.6	446.7	437.6
52.5°	590.2	578.9	546.9	499.1	460.4	430.8	407.9	394.3	385.1
55°	526.5	517.3	483.2	439.8	405.7	380.6	360.1	344.1	335.1
57.5°	467.2	458.1	426.1	385.1	355.5	332.8	314.5	300.8	289.4
60°	412.5	405.7	373.8	335.1	310.0	287.1	271.2	259.8	253.0
62.5°	364.7	351.0	323.6	289.4	266.7	248.4	232.4	225.7	230.2
65°	312.2	305.5	278.0	248.4	227.9	209.6	198.3	202.8	207.4
67.5°	269.0	259.8	237.0	209.6	191.4	177.8	171.0	180.0	182.3
70°	225.7	216.5	195.9	173.2	157.3	148.1	148.1	154.9	157.3
72.5°	184.7	177.8	159.6	141.3	130.0	123.1	127.6	132.2	134.5
75°	148.1	141.3	127.6	111.6	100.2	100.2	104.9	109.4	111.6
77.5°	113.9	109.4	95.7	84.3	79.8	79.8	84.3	86.6	88.9
80°	79.8	75.3	68.4	61.6	57.0	61.6	66.1	66.1	68.4
82.5°	52.4	50.2	45.5	41.0	41.0	43.3	45.5	47.9	47.9
85°	27.3	27.3	25.1	22.8	25.1	27.3	27.3	29.6	29.6
87.5°	9.2	9.2	9.2	9.2	11.4	11.4	11.4	11.4	11.4
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)