

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: P582197

Luminaire Tested: **HCC6S30D010MB-HM63040840-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582197
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: HCC6S30D010MB-HM63040840-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

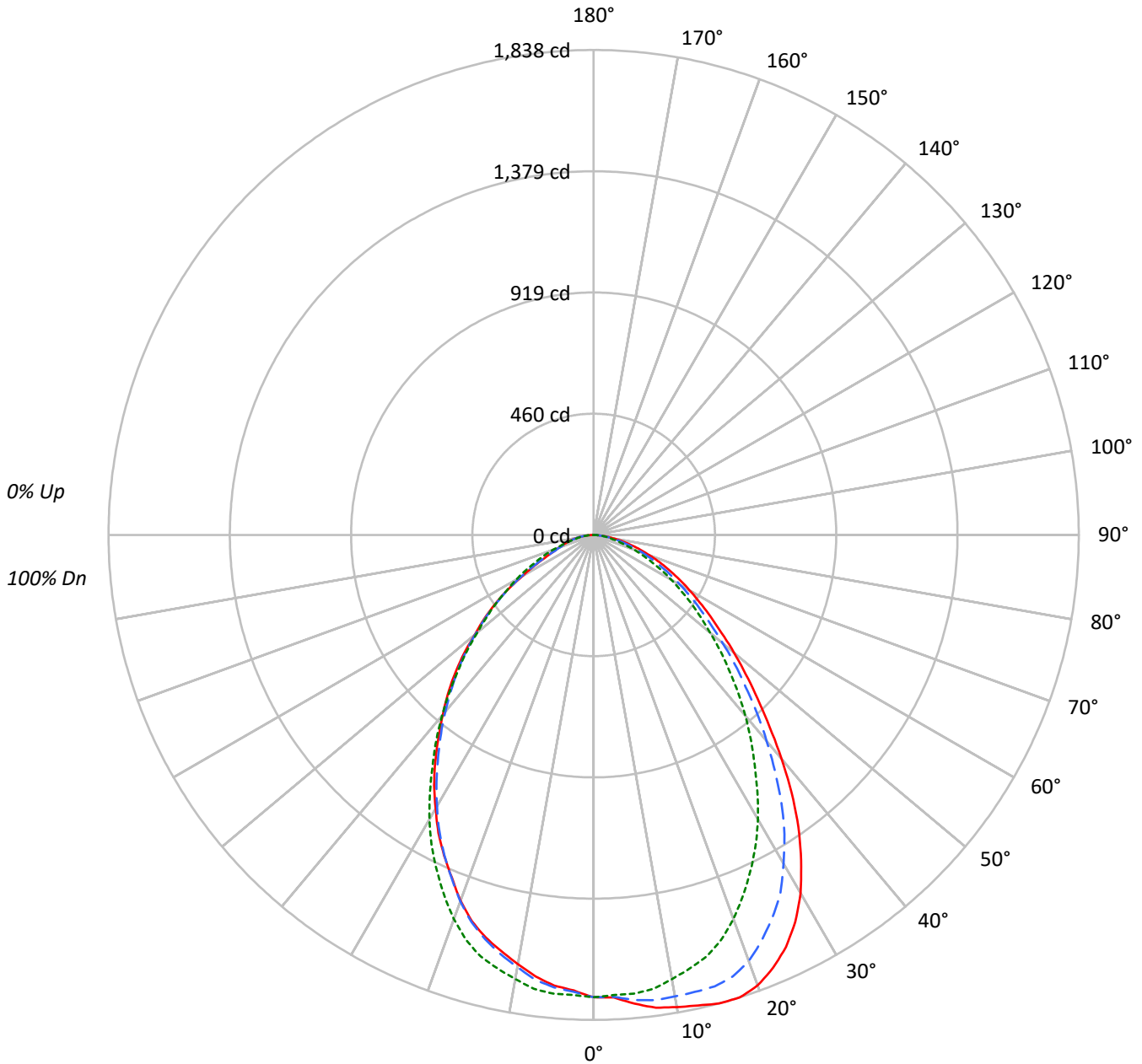
Lumens per Lamp: N/A
Luminaire Lumens: 3431.6 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582197
CATALOG NUMBER: HCC6S30D010MB-HM63040840-61WWWB

Luminous Intensity Polar Plot





TEST NUMBER: P582197

CATALOG NUMBER: HCC6S30D010MB-HM63040840-61WWWB

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	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	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76					76			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66					66			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58					58			
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52					52			
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46					46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42					42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38					38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34					34			
10	58	46	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31					31			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	96061	96061	96061
5°	98140	96032	94326
10°	101139	95144	91949
15°	104337	93877	89666
20°	105995	90355	86026
25°	104256	84997	81089
30°	99249	78797	75771
35°	90513	71126	70008
40°	79148	63898	63555
45°	68116	56231	57533
50°	59213	48996	50020
55°	51707	43009	43468
60°	45928	37267	34120
65°	40990	31352	26086
70°	36080	25709	21879
75°	30924	20270	20778
80°	24908	17395	20426
85°	16542	15033	18115



TEST NUMBER: P582197

CATALOG NUMBER: HCC6S30D010MB-HM63040840-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	4.8
10°-20°	472.3	13.8
20°-30°	674.2	19.6
30°-40°	706.2	20.6
40°-50°	594.6	17.3
50°-60°	423.2	12.3
60°-70°	247.7	7.2
70°-80°	117.2	3.4
80°-90°	30.2	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°	1312.5	38.2
0°-40°	2018.7	58.8
0°-60°	3036.5	88.5
0°-90°	3431.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3431.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1752	1752	1752	1752	1752	
5°	1783	1769	1745	1721	1714	171
15°	1838	1772	1654	1587	1580	519
25°	1724	1602	1405	1338	1341	789
35°	1352	1240	1063	1027	1046	840
45°	879	814	725	728	742	682
55°	541	496	450	450	455	488
65°	316	280	242	203	201	315
75°	146	122	96	93	98	157
85°	26	22	24	29	29	34
90°	0	0	0	0	0	

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



TEST NUMBER: P582197

CATALOG NUMBER: HCC6S30D010MB-HM63040840-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3
2.5°	1754.7	1754.7	1752.3	1750.0	1745.1	1738.0	1733.2	1728.3	1728.3
5°	1783.4	1778.6	1769.1	1757.1	1745.1	1730.7	1721.2	1714.1	1714.1
7.5°	1807.4	1797.8	1778.6	1757.1	1735.6	1716.4	1699.7	1690.0	1687.7
10°	1816.9	1805.0	1776.2	1742.7	1709.2	1682.9	1663.8	1651.8	1651.8
12.5°	1826.5	1812.2	1773.9	1726.0	1682.9	1647.0	1627.9	1618.2	1615.9
15°	1838.4	1819.3	1771.5	1711.6	1654.1	1613.5	1587.1	1579.9	1579.9
17.5°	1838.4	1814.5	1754.7	1680.5	1608.7	1563.2	1539.3	1532.0	1534.5
20°	1816.9	1790.6	1718.8	1627.9	1548.8	1501.0	1477.0	1472.2	1474.6
22.5°	1776.2	1745.1	1663.8	1565.6	1479.4	1429.2	1407.5	1407.5	1405.2
25°	1723.6	1690.0	1601.5	1498.6	1405.2	1355.0	1338.2	1340.6	1340.6
27.5°	1654.1	1620.6	1532.0	1421.9	1328.6	1278.3	1266.4	1271.2	1273.5
30°	1567.9	1532.0	1438.7	1331.0	1244.8	1194.6	1187.3	1194.6	1197.0
32.5°	1462.7	1436.3	1345.4	1235.3	1153.8	1110.8	1108.4	1115.5	1125.2
35°	1352.5	1323.8	1240.0	1139.4	1062.8	1026.9	1026.9	1038.9	1046.1
37.5°	1232.9	1204.1	1127.5	1043.7	979.1	945.6	950.4	962.4	964.8
40°	1106.0	1084.4	1019.8	948.0	892.9	866.5	873.8	885.7	888.1
42.5°	986.3	967.1	914.5	849.8	809.1	790.0	799.6	813.9	818.7
45°	878.6	857.0	813.9	758.8	725.3	715.8	727.8	737.3	742.1
47.5°	780.3	761.2	725.3	675.1	651.1	646.3	658.3	663.1	667.9
50°	694.3	675.1	639.2	593.7	574.5	574.5	584.2	588.9	586.5
52.5°	610.4	593.7	560.1	521.9	509.8	509.8	517.1	519.5	524.2
55°	541.0	524.2	495.6	459.7	450.0	445.3	450.0	450.0	454.8
57.5°	476.4	462.0	435.6	402.1	390.2	385.4	383.0	380.6	385.4
60°	418.9	407.0	378.2	349.4	339.9	327.9	318.4	308.8	311.2
62.5°	366.2	354.3	327.9	299.3	289.6	272.9	261.0	249.0	253.7
65°	316.0	304.0	280.1	256.1	241.7	222.6	203.4	196.3	201.1
67.5°	270.5	261.0	237.0	213.1	201.1	179.5	160.4	160.4	162.8
70°	225.1	215.4	196.3	174.8	160.4	141.3	134.0	136.5	136.5
72.5°	184.3	177.2	158.0	138.9	124.5	112.5	112.5	114.9	117.4
75°	146.0	141.3	122.1	105.3	95.7	88.6	93.3	95.7	98.1
77.5°	112.5	105.3	91.0	78.9	71.8	74.2	78.9	81.4	83.8
80°	78.9	76.6	64.7	57.4	55.1	57.4	62.2	64.7	64.7
82.5°	50.3	47.9	40.7	38.3	38.3	40.7	45.5	45.5	45.5
85°	26.3	23.9	21.5	21.5	23.9	26.3	28.8	28.8	28.8
87.5°	9.6	7.1	9.6	9.6	12.0	12.0	12.0	12.0	12.0
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)