

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: P582179

Luminaire Tested: **HCC6S30D010SL-HM63040835-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582179
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: HCC6S30D010SL-HM63040835-61WWWB
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

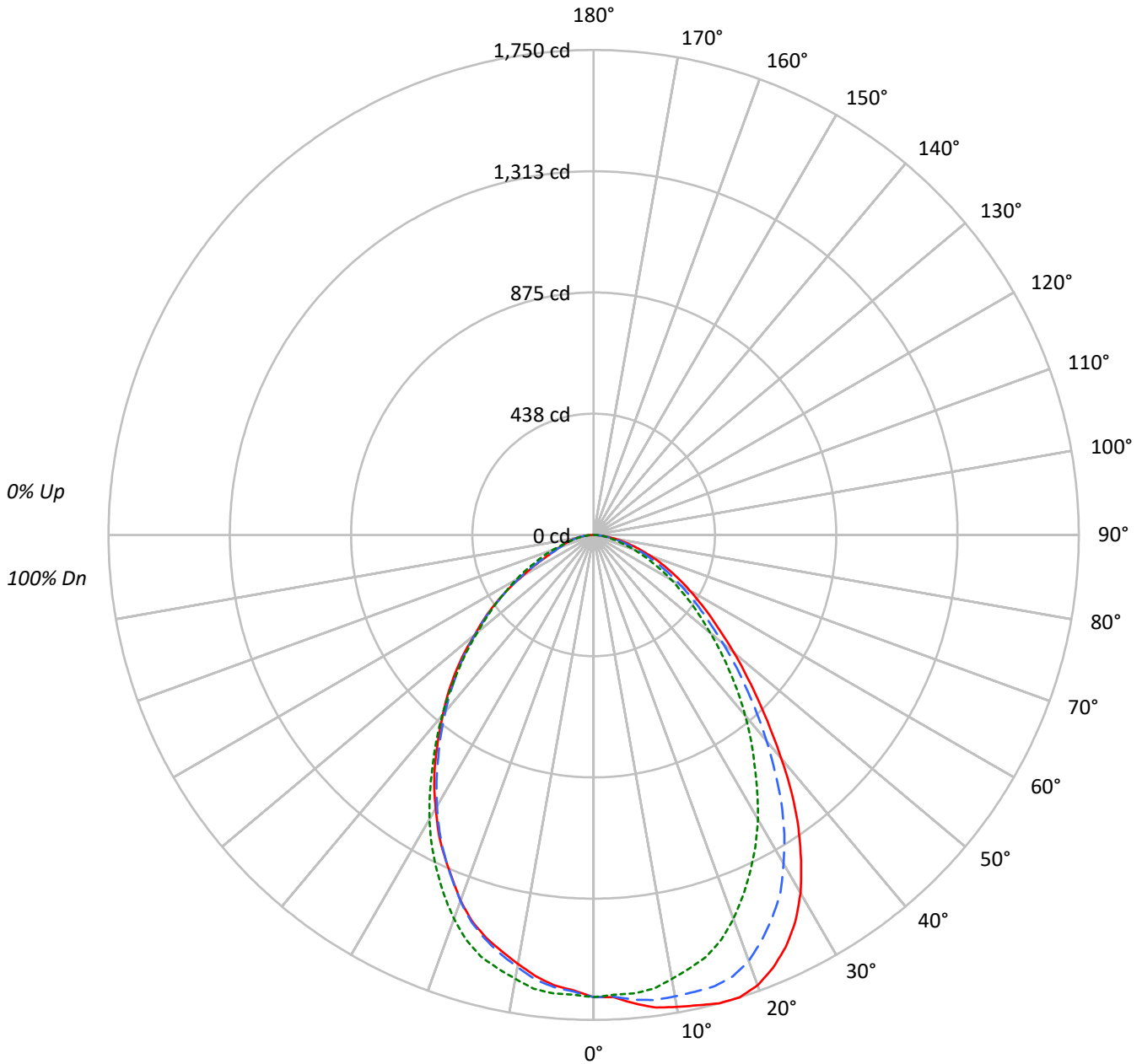
Lumens per Lamp: N/A
Luminaire Lumens: 3266.0 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582179
CATALOG NUMBER: HCC6S30D010SL-HM63040835-61WWWB

Luminous Intensity Polar Plot



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



TEST NUMBER: P582179

CATALOG NUMBER: HCC6S30D010SL-HM63040835-61WWWB

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				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°	91424	91424	91424
5°	93402	91399	89770
10°	96263	90552	87507
15°	99303	89354	85341
20°	100885	85997	81878
25°	99217	80896	77170
30°	94464	74993	72112
35°	86143	67699	66635
40°	75327	60814	60492
45°	64821	53517	54758
50°	56348	46634	47606
55°	49222	40935	41375
60°	43714	35469	32475
65°	39005	29848	24828
70°	34317	24475	20805
75°	29441	19296	19804
80°	23709	16543	19415
85°	15788	14341	17171



TEST NUMBER: P582179
 CATALOG NUMBER: HCC6S30D010SL-HM63040835-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	4.8
10°-20°	449.5	13.8
20°-30°	641.7	19.6
30°-40°	672.2	20.6
40°-50°	565.9	17.3
50°-60°	402.8	12.3
60°-70°	235.8	7.2
70°-80°	111.6	3.4
80°-90°	28.7	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°	1249.1	38.2
0°-40°	1921.3	58.8
0°-60°	2890.0	88.5
0°-90°	3266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3266.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1668	1668	1668	1668	1668	
5°	1697	1684	1661	1638	1631	163
15°	1750	1686	1574	1510	1504	494
25°	1640	1524	1337	1274	1276	751
35°	1287	1180	1012	977	996	800
45°	836	775	690	693	706	649
55°	515	472	428	428	433	464
65°	301	267	230	194	191	300
75°	139	116	91	89	94	149
85°	25	20	23	27	27	33
90°	0	0	0	0	0	

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



TEST NUMBER: P582179

CATALOG NUMBER: HCC6S30D010SL-HM63040835-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1667.7	1667.7	1667.7	1667.7	1667.7	1667.7	1667.7	1667.7	1667.7
2.5°	1670.0	1670.0	1667.7	1665.4	1660.9	1654.0	1649.5	1645.0	1645.0
5°	1697.3	1692.8	1683.6	1672.3	1660.9	1647.2	1638.1	1631.3	1631.3
7.5°	1720.1	1711.0	1692.8	1672.3	1651.8	1633.6	1617.6	1608.5	1606.2
10°	1729.3	1717.9	1690.5	1658.7	1626.7	1601.7	1583.4	1572.0	1572.0
12.5°	1738.3	1724.6	1688.3	1642.6	1601.7	1567.5	1549.3	1540.1	1537.9
15°	1749.7	1731.5	1686.0	1629.0	1574.4	1535.6	1510.5	1503.7	1503.7
17.5°	1749.7	1726.9	1670.0	1599.3	1531.1	1487.8	1465.0	1458.1	1460.4
20°	1729.3	1704.2	1635.8	1549.3	1474.1	1428.5	1405.8	1401.1	1403.5
22.5°	1690.5	1660.9	1583.4	1490.1	1408.0	1360.1	1339.6	1339.6	1337.4
25°	1640.3	1608.5	1524.2	1426.2	1337.4	1289.5	1273.5	1275.8	1275.8
27.5°	1574.4	1542.4	1458.1	1353.3	1264.5	1216.6	1205.2	1209.8	1212.1
30°	1492.3	1458.1	1369.3	1266.8	1184.7	1136.9	1130.0	1136.9	1139.2
32.5°	1392.1	1367.0	1280.4	1175.6	1098.2	1057.1	1054.9	1061.7	1070.8
35°	1287.2	1259.9	1180.2	1084.5	1011.6	977.4	977.4	988.8	995.7
37.5°	1173.3	1146.0	1073.1	993.3	931.8	900.0	904.5	915.9	918.1
40°	1052.6	1032.1	970.6	902.2	849.8	824.7	831.6	843.0	845.3
42.5°	938.7	920.4	870.3	808.8	770.1	751.8	761.0	774.6	779.2
45°	836.1	815.7	774.6	722.2	690.3	681.2	692.6	701.7	706.3
47.5°	742.8	724.5	690.3	642.5	619.7	615.2	626.5	631.1	635.6
50°	660.7	642.5	608.3	565.0	546.8	546.8	555.9	560.5	558.2
52.5°	580.9	565.0	533.1	496.6	485.2	485.2	492.1	494.4	498.9
55°	515.0	498.9	471.6	437.4	428.3	423.8	428.3	428.3	432.9
57.5°	453.4	439.7	414.6	382.7	371.3	366.8	364.5	362.3	366.8
60°	398.7	387.3	360.0	332.7	323.5	312.1	303.0	293.9	296.2
62.5°	348.6	337.2	312.1	284.8	275.7	259.7	248.4	237.0	241.5
65°	300.7	289.4	266.6	243.7	230.1	211.9	193.7	186.8	191.4
67.5°	257.4	248.4	225.6	202.7	191.4	170.9	152.7	152.7	154.9
70°	214.1	205.1	186.8	166.3	152.7	134.5	127.6	129.8	129.8
72.5°	175.4	168.6	150.4	132.1	118.4	107.1	107.1	109.4	111.6
75°	139.0	134.5	116.2	100.2	91.1	84.3	88.8	91.1	93.5
77.5°	107.1	100.2	86.6	75.1	68.4	70.6	75.1	77.4	79.8
80°	75.1	72.9	61.5	54.7	52.4	54.7	59.2	61.5	61.5
82.5°	47.8	45.5	38.8	36.5	36.5	38.8	43.3	43.3	43.3
85°	25.1	22.8	20.5	20.5	22.8	25.1	27.3	27.3	27.3
87.5°	9.2	6.8	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)