

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: P582159

Luminaire Tested: **HCC6W30D010BZ-HM63040830-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582159
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: HCC6W30D010BZ-HM63040830-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

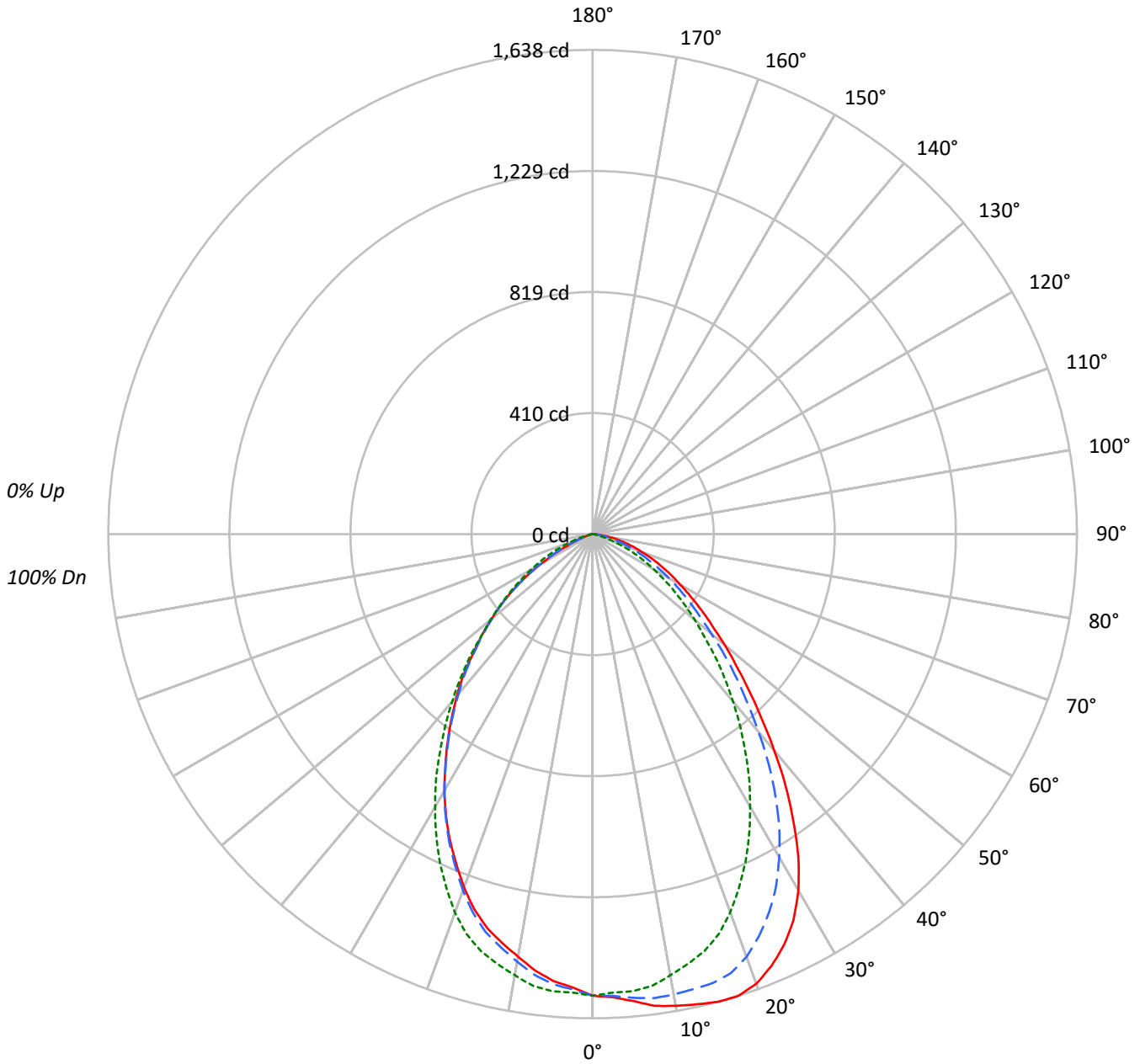
Lumens per Lamp: N/A
Luminaire Lumens: 2782.6 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P582159
CATALOG NUMBER: HCC6W30D010BZ-HM63040830-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P582159

CATALOG NUMBER: HCC6W30D010BZ-HM63040830-61WWBB

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	67	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°	85602	85602	85602
5°	87260	85444	83507
10°	90223	84356	80810
15°	92980	82884	78275
20°	94427	79434	74183
25°	92727	73988	69077
30°	88140	67422	63396
35°	79224	60258	57172
40°	68371	52806	51081
45°	57890	45462	44268
50°	49636	38404	38029
55°	43038	32333	31072
60°	37563	26237	22147
65°	33052	20223	12245
70°	28514	13384	5979
75°	24167	6524	2309
80°	18721	2778	1389
85°	11070	1321	1321



TEST NUMBER: P582159

CATALOG NUMBER: HCC6W30D010BZ-HM63040830-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	5.3
10°-20°	416.7	15.0
20°-30°	586.8	21.1
30°-40°	599.5	21.5
40°-50°	483.4	17.4
50°-60°	324.2	11.7
60°-70°	164.1	5.9
70°-80°	52.4	1.9
80°-90°	8.0	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°	1150.9	41.4
0°-40°	1750.4	62.9
0°-60°	2558.0	91.9
0°-90°	2782.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2782.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1562	1562	1562	1562	1562	
5°	1586	1575	1553	1529	1518	153
15°	1638	1572	1460	1395	1379	463
25°	1533	1412	1223	1149	1142	702
35°	1184	1076	900	850	854	737
45°	747	687	586	567	571	581
55°	450	400	338	323	325	405
65°	255	211	156	103	94	254
75°	114	81	31	11	11	123
85°	18	9	2	2	2	24
90°	0	0	0	0	0	



TEST NUMBER: P582159

CATALOG NUMBER: HCC6W30D010BZ-HM63040830-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1561.5	1561.5	1561.5	1561.5	1561.5	1561.5	1561.5	1561.5	1561.5
2.5°	1568.1	1565.9	1563.7	1559.3	1552.7	1546.2	1541.8	1537.4	1535.1
5°	1585.7	1581.3	1574.7	1565.9	1552.7	1537.4	1528.6	1519.8	1517.5
7.5°	1609.8	1601.0	1583.5	1563.7	1541.8	1519.8	1504.4	1495.6	1489.0
10°	1620.8	1605.4	1581.3	1548.3	1515.4	1489.0	1469.2	1456.0	1451.7
12.5°	1629.5	1612.0	1576.9	1533.0	1489.0	1453.9	1431.9	1421.0	1416.6
15°	1638.3	1620.8	1572.5	1515.4	1460.4	1418.7	1394.6	1383.6	1379.2
17.5°	1638.3	1614.2	1557.1	1484.6	1418.7	1368.2	1344.0	1333.1	1330.8
20°	1618.6	1592.2	1521.9	1436.3	1361.6	1304.6	1282.6	1276.0	1271.6
22.5°	1581.3	1550.6	1471.5	1374.8	1293.5	1238.7	1214.4	1210.2	1205.8
25°	1533.0	1502.2	1412.2	1309.0	1223.2	1168.4	1148.6	1144.2	1142.0
27.5°	1471.5	1438.6	1344.0	1238.7	1146.4	1093.8	1076.2	1076.2	1073.9
30°	1392.4	1355.1	1262.8	1157.4	1065.1	1016.8	1003.6	1003.6	1001.5
32.5°	1295.8	1258.4	1175.0	1073.9	986.0	935.6	924.6	929.0	926.8
35°	1183.8	1153.0	1076.2	977.4	900.4	854.3	849.9	854.3	854.3
37.5°	1071.8	1043.2	977.4	891.6	819.2	777.5	777.5	784.0	781.9
40°	955.4	933.4	871.9	797.2	737.9	709.4	705.0	711.6	713.8
42.5°	845.5	828.0	775.2	713.8	661.1	632.5	639.1	643.5	645.6
45°	746.7	729.1	687.4	623.7	586.4	566.7	566.7	573.2	571.0
47.5°	658.8	645.6	604.0	542.4	509.5	500.7	505.1	509.5	509.5
50°	582.0	562.3	522.7	474.4	450.3	439.2	443.6	445.9	445.9
52.5°	509.5	496.3	456.8	412.9	390.9	384.3	384.3	386.5	386.5
55°	450.3	434.8	399.7	355.7	338.3	329.5	322.8	320.7	325.1
57.5°	393.1	379.9	347.0	305.2	285.5	276.7	263.6	259.2	263.6
60°	342.6	331.6	298.7	259.2	239.3	221.9	206.4	197.6	202.0
62.5°	298.7	285.5	252.5	219.6	197.6	177.9	153.7	140.5	147.2
65°	254.8	243.7	210.8	177.9	155.9	131.7	103.2	94.4	94.4
67.5°	215.2	204.3	173.5	144.9	118.5	90.0	63.7	61.5	63.7
70°	177.9	166.9	140.5	112.0	83.5	54.9	37.3	37.3	37.3
72.5°	147.2	134.0	109.9	81.2	52.7	28.5	19.7	22.0	22.0
75°	114.1	103.2	81.2	54.9	30.8	13.2	10.9	10.9	10.9
77.5°	85.6	76.8	57.1	35.2	15.3	4.4	4.4	4.4	4.4
80°	59.3	50.5	37.3	22.0	8.8	4.4	4.4	4.4	4.4
82.5°	35.2	30.8	22.0	10.9	4.4	2.1	2.1	2.1	2.1
85°	17.6	15.3	8.8	4.4	2.1	2.1	2.1	2.1	2.1
87.5°	4.4	4.4	2.1	2.1	0.0	2.1	2.1	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)