

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: P582017

Luminaire Tested: **HCC6S25D010SL-HM60525830-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582017
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: HCC6S25D010SL-HM60525830-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

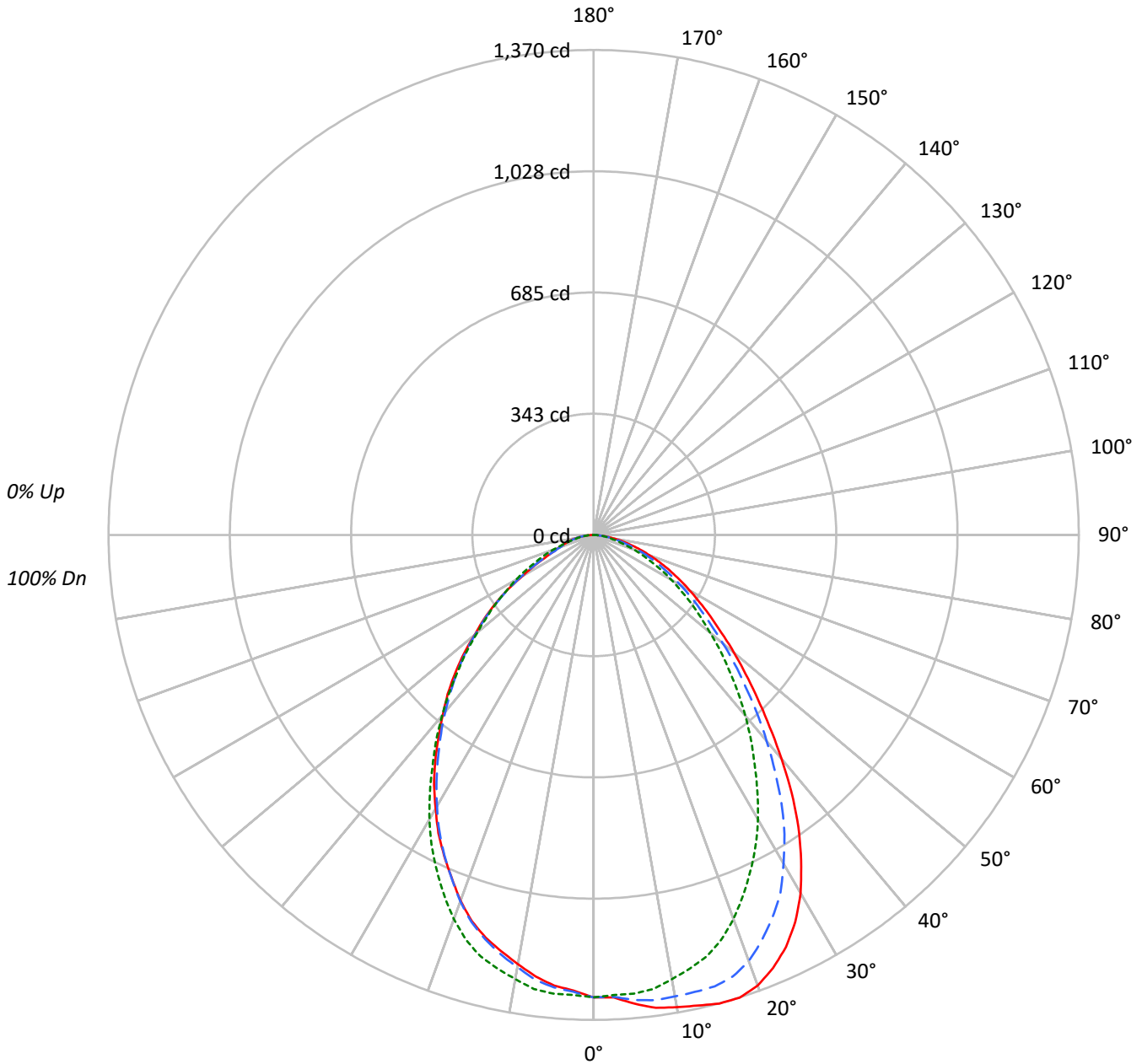
Lumens per Lamp: N/A
Luminaire Lumens: 2558.1 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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: P582017
CATALOG NUMBER: HCC6S25D010SL-HM60525830-61WWWB

Luminous Intensity Polar Plot





TEST NUMBER: P582017

CATALOG NUMBER: HCC6S25D010SL-HM60525830-61WWWB

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°	71612	71612	71612
5°	73156	71588	70311
10°	75399	70929	68541
15°	77781	69983	66845
20°	79019	67352	64131
25°	77714	63361	60445
30°	73986	58743	56483
35°	67479	53023	52193
40°	59003	47632	47382
45°	50773	41919	42888
50°	44135	36528	37287
55°	38546	32056	32410
60°	34230	27783	25426
65°	30561	23375	19444
70°	26896	19154	16301
75°	23066	15123	15504
80°	18595	12975	15217
85°	12391	11196	13460



TEST NUMBER: P582017
 CATALOG NUMBER: HCC6S25D010SL-HM60525830-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.7	4.8
10°-20°	352.1	13.8
20°-30°	502.6	19.6
30°-40°	526.5	20.6
40°-50°	443.3	17.3
50°-60°	315.5	12.3
60°-70°	184.7	7.2
70°-80°	87.4	3.4
80°-90°	22.5	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°	978.4	38.2
0°-40°	1504.8	58.8
0°-60°	2263.6	88.5
0°-90°	2558.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2558.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1306	1306	1306	1306	1306	
5°	1329	1319	1301	1283	1278	128
15°	1370	1320	1233	1183	1178	387
25°	1285	1194	1048	998	999	588
35°	1008	924	792	766	780	626
45°	655	607	541	542	553	508
55°	403	369	335	335	339	363
65°	236	209	180	152	150	235
75°	109	91	71	70	73	117
85°	20	16	18	21	21	25
90°	0	0	0	0	0	

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



TEST NUMBER: P582017

CATALOG NUMBER: HCC6S25D010SL-HM60525830-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1306.3	1306.3	1306.3	1306.3	1306.3	1306.3	1306.3	1306.3	1306.3
2.5°	1308.0	1308.0	1306.3	1304.5	1300.9	1295.6	1292.0	1288.5	1288.5
5°	1329.4	1325.9	1318.8	1309.8	1300.9	1290.2	1283.1	1277.7	1277.7
7.5°	1347.4	1340.2	1325.9	1309.8	1293.7	1279.4	1267.0	1259.9	1258.0
10°	1354.5	1345.5	1324.0	1299.1	1274.2	1254.5	1240.2	1231.3	1231.3
12.5°	1361.5	1350.9	1322.3	1286.6	1254.5	1227.7	1213.4	1206.3	1204.5
15°	1370.5	1356.2	1320.5	1275.9	1233.1	1202.8	1183.1	1177.8	1177.8
17.5°	1370.5	1352.6	1308.0	1252.7	1199.1	1165.3	1147.4	1142.1	1143.9
20°	1354.5	1334.8	1281.3	1213.4	1154.5	1118.9	1101.0	1097.5	1099.3
22.5°	1324.0	1300.9	1240.2	1167.0	1102.8	1065.3	1049.3	1049.3	1047.5
25°	1284.8	1259.9	1193.9	1117.0	1047.5	1010.0	997.5	999.3	999.3
27.5°	1233.1	1208.1	1142.1	1060.0	990.4	952.9	944.0	947.5	949.4
30°	1168.8	1142.1	1072.4	992.1	928.0	890.5	885.1	890.5	892.3
32.5°	1090.4	1070.7	1002.9	920.8	860.2	828.0	826.2	831.6	838.8
35°	1008.3	986.9	924.3	849.4	792.3	765.6	765.6	774.5	779.9
37.5°	919.1	897.6	840.5	778.0	729.9	704.9	708.4	717.3	719.1
40°	824.5	808.4	760.2	706.7	665.6	646.0	651.3	660.2	662.1
42.5°	735.3	721.0	681.6	633.5	603.2	588.9	596.1	606.7	610.3
45°	654.9	638.9	606.7	565.7	540.7	533.5	542.4	549.6	553.2
47.5°	581.8	567.5	540.7	503.2	485.4	481.8	490.7	494.3	497.8
50°	517.5	503.2	476.5	442.6	428.3	428.3	435.4	438.9	437.2
52.5°	455.1	442.6	417.6	389.1	380.0	380.0	385.4	387.2	390.8
55°	403.3	390.8	369.4	342.6	335.4	331.9	335.4	335.4	339.1
57.5°	355.1	344.4	324.8	299.8	290.8	287.3	285.6	283.7	287.3
60°	312.2	303.4	281.9	260.5	253.4	244.5	237.3	230.2	231.9
62.5°	273.0	264.1	244.5	223.0	215.9	203.5	194.5	185.6	189.2
65°	235.6	226.7	208.7	191.0	180.2	165.9	151.7	146.4	149.9
67.5°	201.6	194.5	176.7	158.9	149.9	133.8	119.5	119.5	121.3
70°	167.8	160.6	146.4	130.3	119.5	105.3	100.0	101.7	101.7
72.5°	137.5	132.1	117.8	103.5	92.8	83.8	83.8	85.7	87.5
75°	108.9	105.3	91.0	78.6	71.4	66.0	69.5	71.4	73.2
77.5°	83.8	78.6	67.8	58.9	53.5	55.3	58.9	60.6	62.4
80°	58.9	57.1	48.2	42.9	41.1	42.9	46.4	48.2	48.2
82.5°	37.5	35.7	30.3	28.6	28.6	30.3	34.0	34.0	34.0
85°	19.7	17.8	16.0	16.0	17.8	19.7	21.4	21.4	21.4
87.5°	7.1	5.4	7.1	7.1	8.9	8.9	8.9	8.9	8.9
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)