

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: P582329

Luminaire Tested: **HCC6S35D010MB-HM63040840-61NDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582329
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S35D010MB-HM63040840-61NDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

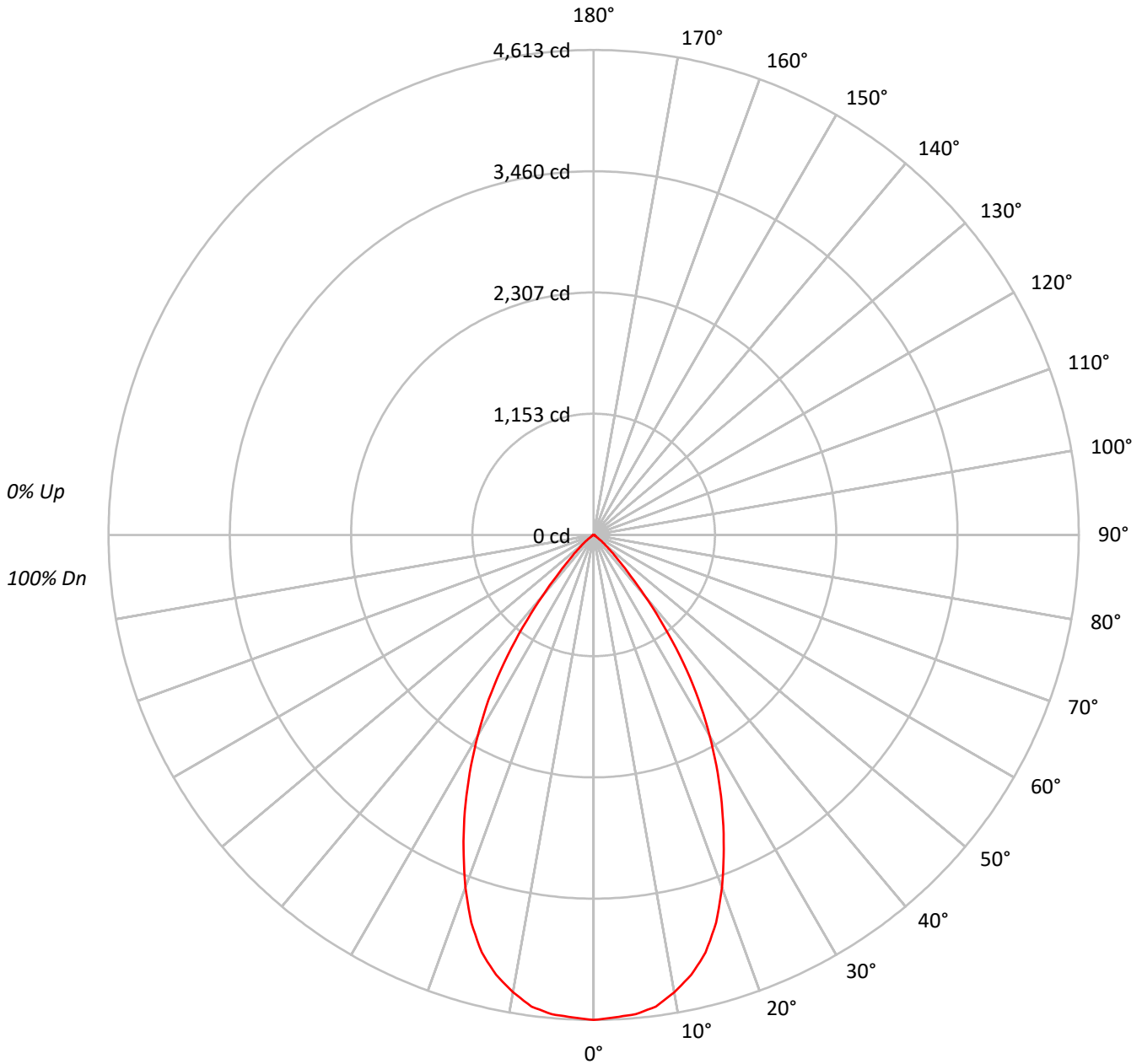
Lumens per Lamp: N/A
Luminaire Lumens: 4131.2 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.89
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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



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Luminous Intensity Polar Plot





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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	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	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93																					
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87																				
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81																				
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75																				
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70																				
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65																				
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	66	62	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61																				
8	79	70	64	59	78	69	63	59	68	63	59	67	62	59	66	62	59	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57																				
9	75	66	60	56	74	65	59	56	64	59	55	63	59	55	62	58	55	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54																				
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	252902
5°	251832
10°	245871
15°	233395
20°	208029
25°	175238
30°	139616
35°	99608
40°	53565
45°	22948
50°	10439
55°	3804
60°	1864
65°	1479
70°	1362
75°	593
80°	884
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.0	10.5
10°-20°	1139.9	27.6
20°-30°	1320.2	32.0
30°-40°	912.9	22.1
40°-50°	263.6	6.4
50°-60°	45.4	1.1
60°-70°	11.6	0.3
70°-80°	4.5	0.1
80°-90°	1.1	0.0
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°	2892.1	70.0
0°-40°	3805.0	92.1
0°-60°	4114.0	99.6
0°-90°	4131.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4131.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4613	
5°	4576	432
15°	4112	1140
25°	2897	1320
35°	1488	913
45°	296	264
55°	40	45
65°	11	12
75°	3	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4613.3
2.5°	4593.3
5°	4576.3
7.5°	4525.0
10°	4416.9
12.5°	4285.9
15°	4112.4
17.5°	3867.6
20°	3565.9
22.5°	3232.9
25°	2897.1
27.5°	2552.8
30°	2205.6
32.5°	1858.3
35°	1488.4
37.5°	1104.2
40°	748.5
42.5°	472.4
45°	296.0
47.5°	190.7
50°	122.4
52.5°	74.0
55°	39.8
57.5°	22.8
60°	17.0
62.5°	14.2
65°	11.4
67.5°	8.5
70°	8.5
72.5°	5.7
75°	2.8
77.5°	2.8
80°	2.8
82.5°	2.8
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)