

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: P593095

Luminaire Tested: **HC615D010-HM60525850-61NDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC615D010-HM60525850-61NDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1703.2 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

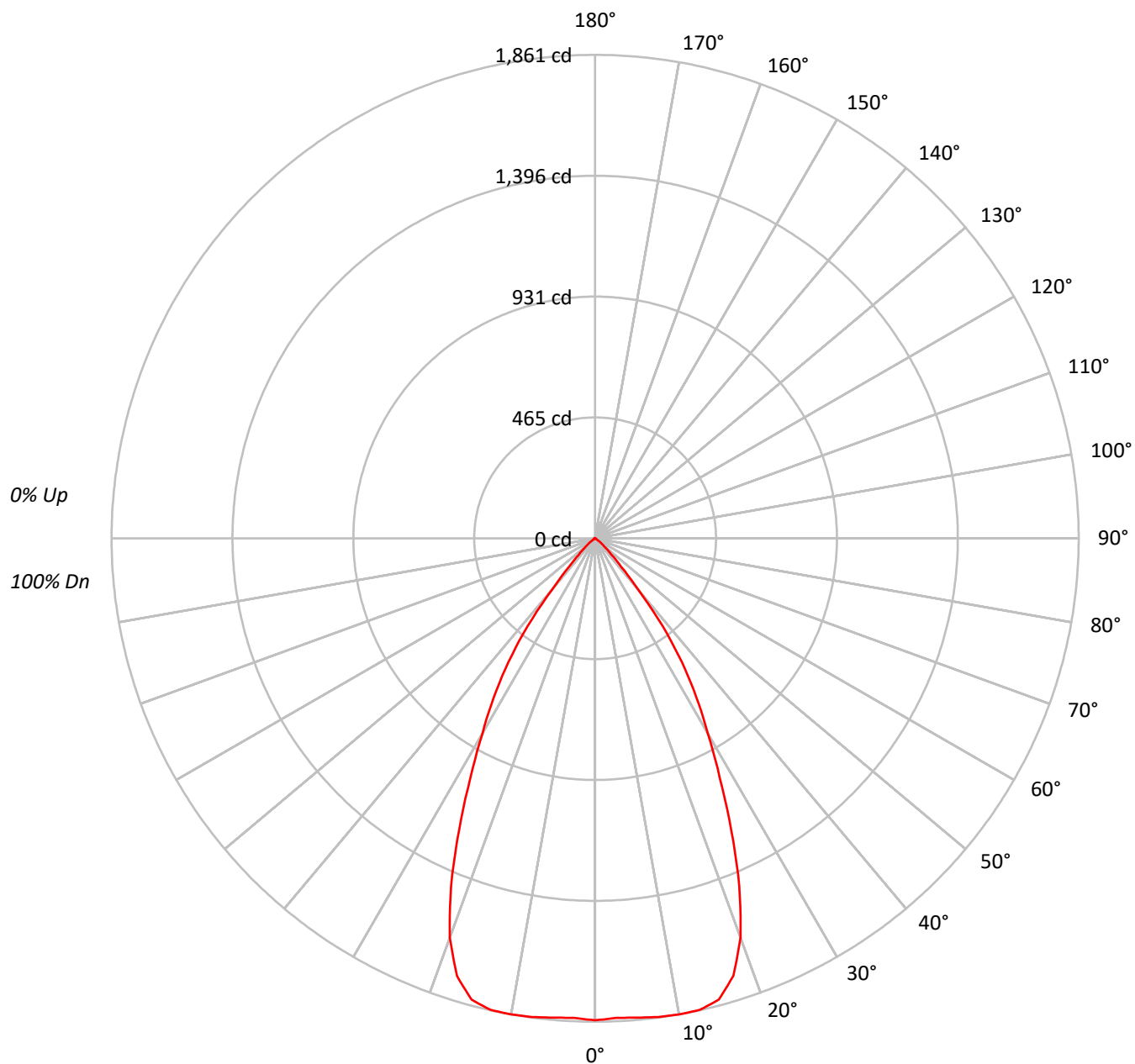
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: HC615D010-HM60525850-61NDC

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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	108	106		111	109	107	105		105	103	101		101	100	98		98	97	96
2	108	103	99	96		106	102	98	95		98	96	93		96	93	91		93	91	89
3	103	97	92	88		101	95	91	87		93	89	86		90	87	84		88	85	83
4	98	90	85	81		96	89	84	80		87	83	79		85	81	79		83	80	78
5	93	85	79	75		91	84	79	75		82	77	74		80	76	73		79	75	73
6	88	80	74	70		87	79	73	69		77	73	69		76	72	68		75	71	68
7	84	75	69	65		83	74	69	65		73	68	64		72	67	64		71	67	64
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	76	67	61	57		75	66	61	57		65	60	57		65	60	57		64	60	56
10	73	63	58	54		72	63	57	54		62	57	54		61	57	53		61	56	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101719
5°	101920
10°	103600
15°	104354
20°	95395
25°	74956
30°	54869
35°	38922
40°	18406
45°	7024
50°	3147
55°	860
60°	373
65°	298
70°	176
75°	233
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.2	10.4
10°-20°	508.2	29.8
20°-30°	565.3	33.2
30°-40°	353.1	20.7
40°-50°	83.9	4.9
50°-60°	12.0	0.7
60°-70°	2.5	0.1
70°-80°	1.0	0.1
80°-90°	0.0	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°	1250.7	73.4
0°-40°	1603.8	94.2
0°-60°	1699.7	99.8
0°-90°	1703.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1703.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1856	
5°	1852	177
15°	1839	508
25°	1239	565
35°	582	353
45°	91	84
55°	9	12
65°	2	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1855.5
2.5°	1847.7
5°	1852.1
7.5°	1858.8
10°	1861.1
12.5°	1859.9
15°	1838.7
17.5°	1767.1
20°	1635.2
22.5°	1449.5
25°	1239.2
27.5°	1038.0
30°	866.8
32.5°	724.7
35°	581.6
37.5°	427.2
40°	257.2
42.5°	148.8
45°	90.6
47.5°	58.1
50°	36.9
52.5°	21.2
55°	9.0
57.5°	4.4
60°	3.4
62.5°	3.4
65°	2.3
67.5°	2.3
70°	1.1
72.5°	1.1
75°	1.1
77.5°	1.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)