

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: P581615

Luminaire Tested: **HC610D010-HM60525840-61WDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC610D010-HM60525840-61WDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1320.2 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

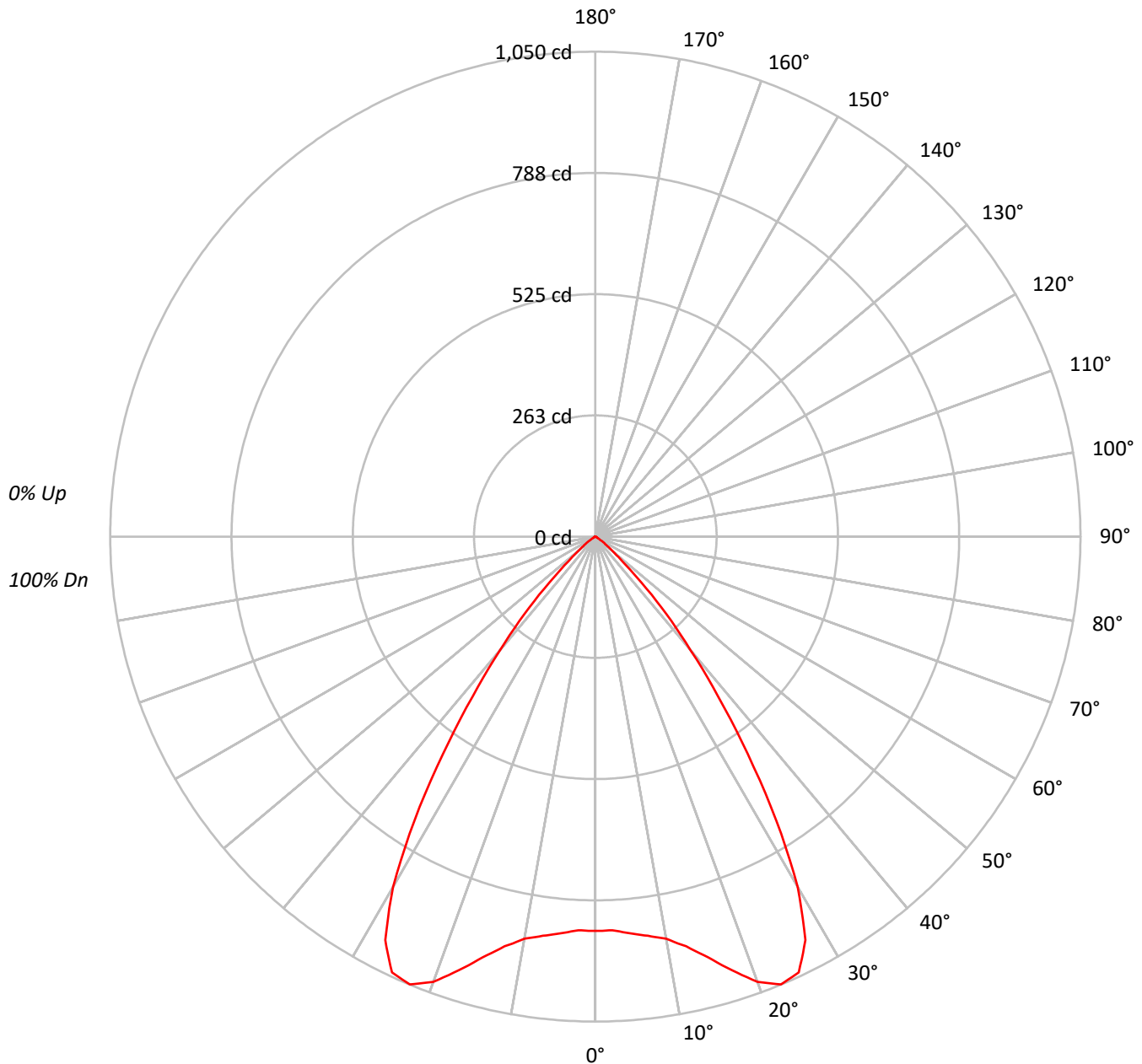
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	113	110	108	105		111	108	106	103		104	102	100			100	99	97			97
2	107	102	97	94		105	100	96	93		97	94	91			94	91	89			91
3	101	94	89	85		99	93	88	84		90	86	82			88	84	81			85
4	95	87	81	77		93	86	80	76		84	79	75			82	78	74			80
5	90	81	75	70		88	80	74	70		78	73	69			76	72	68			75
6	85	75	69	64		83	74	68	64		73	67	63			71	67	63			70
7	80	70	63	59		79	69	63	59		68	62	58			67	62	58			66
8	76	65	59	54		74	65	59	54		64	58	54			62	57	54			61
9	71	61	55	50		70	60	54	50		60	54	50			59	53	50			58
10	68	57	51	47		67	57	51	47		56	50	46			55	50	46			54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46805
5°	47435
10°	49214
15°	53525
20°	59838
25°	62979
30°	55445
35°	38454
40°	22964
45°	10916
50°	4119
55°	1720
60°	537
65°	428
70°	256
75°	169
80°	253
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	6.3
10°-20°	270.8	20.5
20°-30°	464.0	35.1
30°-40°	360.3	27.3
40°-50°	119.1	9.0
50°-60°	18.3	1.4
60°-70°	3.2	0.2
70°-80°	1.2	0.1
80°-90°	0.3	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°	817.7	61.9
0°-40°	1178.1	89.2
0°-60°	1315.5	99.6
0°-90°	1320.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1320.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	854	
5°	862	83
15°	943	271
25°	1041	464
35°	575	360
45°	141	119
55°	18	18
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	853.8
2.5°	853.0
5°	862.0
7.5°	871.8
10°	884.1
12.5°	908.7
15°	943.1
17.5°	984.7
20°	1025.7
22.5°	1049.5
25°	1041.2
27.5°	984.7
30°	875.9
32.5°	729.3
35°	574.6
37.5°	436.3
40°	320.9
42.5°	226.7
45°	140.8
47.5°	78.6
50°	48.3
52.5°	29.4
55°	18.0
57.5°	9.1
60°	4.9
62.5°	4.1
65°	3.3
67.5°	2.5
70°	1.6
72.5°	1.6
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)