

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: P582030

Luminaire Tested: **HC625D010-HM60525835-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC625D010-HM60525835-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2682.7 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

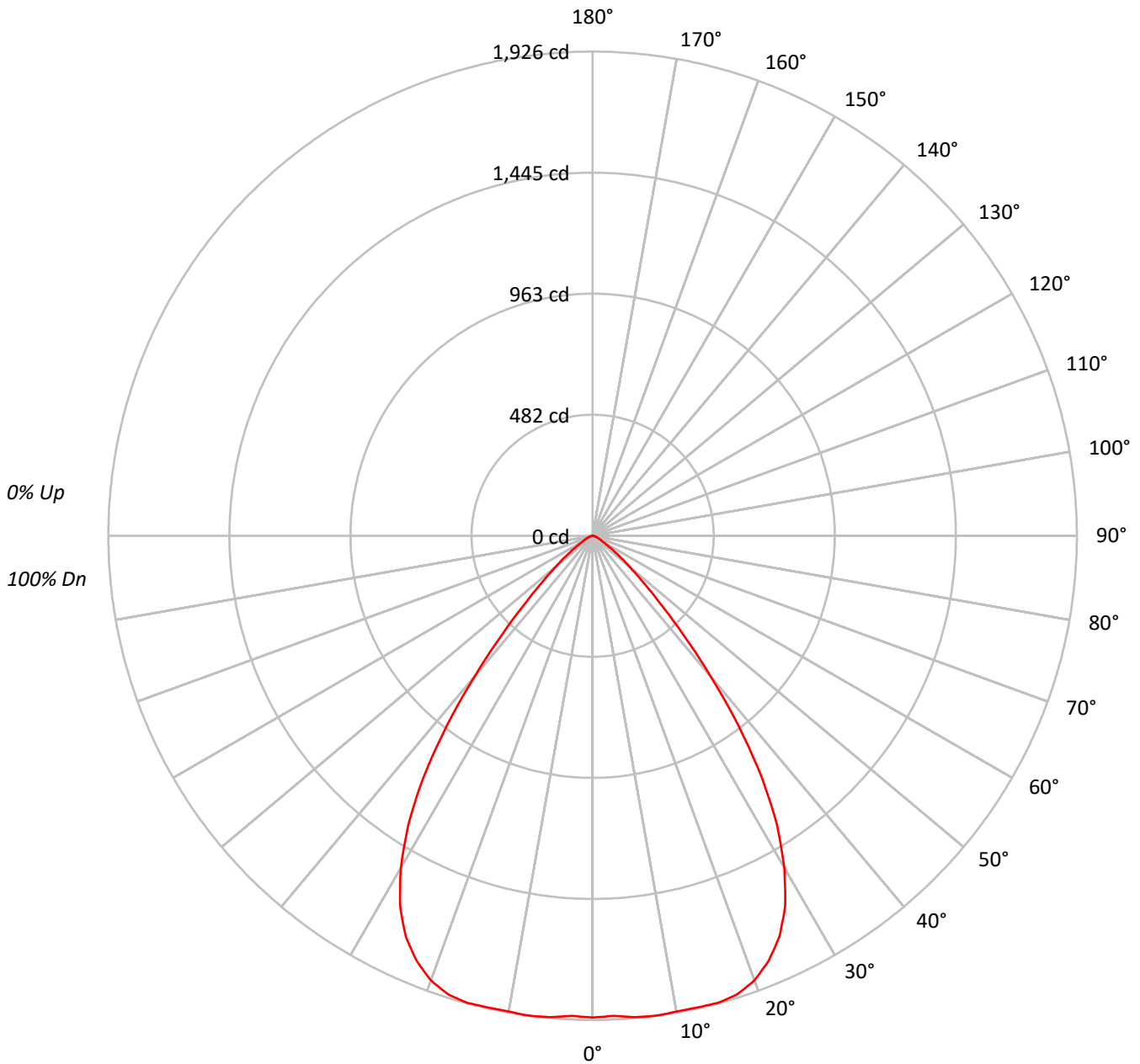
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582030

CATALOG NUMBER: HC625D010-HM60525835-61WDH

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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92	92	92	92
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84	84	84	84
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77	77	77	77
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70	70	70	70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64	64	64	64
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59	59	59	59
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54	54	54	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50	50	50	50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46	46	46	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43	43	43	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	105063
5°	105767
10°	106990
15°	109178
20°	109793
25°	106373
30°	96502
35°	78461
40°	52076
45°	28988
50°	16255
55°	9022
60°	4978
65°	3775
70°	2613
75°	1906
80°	1137
85°	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.4	6.8
10°-20°	542.4	20.2
20°-30°	799.5	29.8
30°-40°	715.1	26.7
40°-50°	310.2	11.6
50°-60°	91.2	3.4
60°-70°	29.1	1.1
70°-80°	10.3	0.4
80°-90°	1.5	0.1
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°	1525.3	56.9
0°-40°	2240.4	83.5
0°-60°	2641.8	98.5
0°-90°	2682.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2682.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1916	
5°	1922	183
15°	1924	542
25°	1759	799
35°	1172	715
45°	374	310
55°	94	91
65°	29	29
75°	9	10
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1916.5
2.5°	1911.1
5°	1922.0
7.5°	1925.6
10°	1922.0
12.5°	1922.0
15°	1923.7
17.5°	1912.8
20°	1882.0
22.5°	1829.4
25°	1758.6
27.5°	1658.7
30°	1524.5
32.5°	1364.8
35°	1172.4
37.5°	952.8
40°	727.7
42.5°	531.8
45°	373.9
47.5°	266.8
50°	190.6
52.5°	136.1
55°	94.4
57.5°	63.5
60°	45.4
62.5°	36.3
65°	29.1
67.5°	21.8
70°	16.3
72.5°	12.7
75°	9.0
77.5°	7.3
80°	3.6
82.5°	1.8
85°	1.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)