

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

Report Number: P199328

Luminaire Tested: **LT560WH6930**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P199328
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P28069)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: LT560WH6930
Description: 5/6" LT LED RECESSED DOWNLIGHT

Light Source: EATON LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

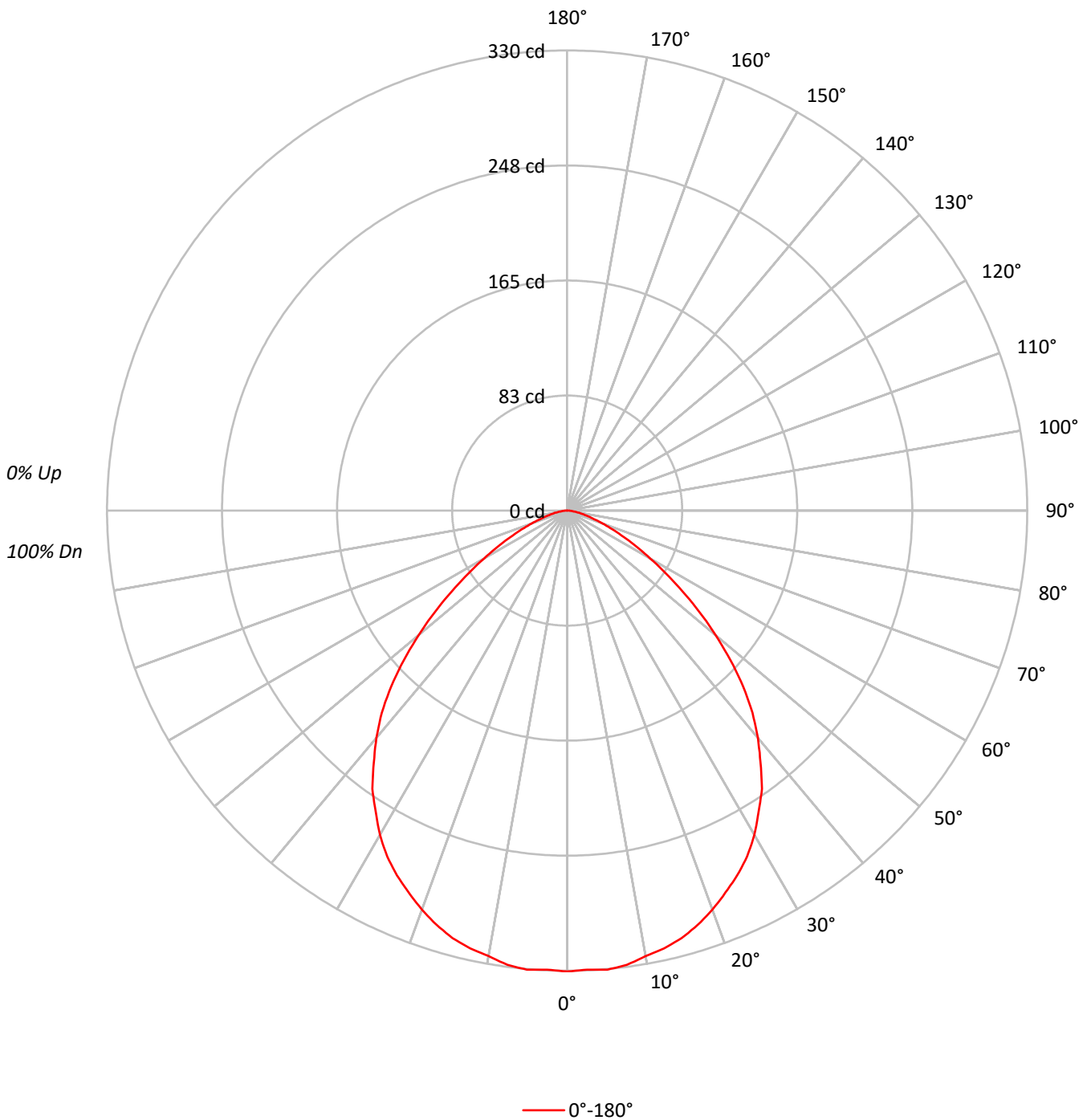
Lumens per Lamp: N/A
Luminaire Lumens: 698.2 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.27
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	102	96	90	85	100	94	88	84	90	86	82		87	83	80		84	81	78	77
3	95	86	78	73	92	84	77	72	81	76	71		78	74	70		76	72	69	67
4	87	77	69	63	85	76	68	63	73	67	62		71	66	61		69	64	60	59
5	81	70	62	56	79	68	61	55	66	60	55		65	59	54		63	58	54	52
6	75	63	55	49	73	62	55	49	61	54	49		59	53	48		57	52	48	46
7	70	58	50	44	68	57	49	44	55	49	44		54	48	43		53	47	43	41
8	65	53	45	40	64	52	45	40	51	44	39		50	44	39		49	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36		46	40	36		45	40	35	34
10	58	45	38	33	56	45	38	33	44	37	33		43	37	33		42	36	32	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	18118
5°	18187
10°	18064
15°	18019
20°	17770
25°	17457
30°	17003
35°	16302
40°	15221
45°	13854
50°	11838
55°	9644
60°	7554
65°	5824
70°	4328
75°	3177
80°	2526
85°	1887



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.3	4.5
10°-20°	89.4	12.8
20°-30°	132.8	19.0
30°-40°	151.3	21.7
40°-50°	136.7	19.6
50°-60°	91.0	13.0
60°-70°	45.3	6.5
70°-80°	16.7	2.4
80°-90°	3.8	0.5
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°	253.5	36.3
0°-40°	404.7	58.0
0°-60°	632.4	90.6
0°-90°	698.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	698.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	330	
5°	330	31
15°	318	89
25°	289	133
35°	244	151
45°	179	137
55°	101	91
65°	45	45
75°	15	17
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	330.5
2.5°	329.5
5°	330.5
7.5°	328.5
10°	324.5
12.5°	321.5
15°	317.5
17.5°	311.5
20°	304.6
22.5°	296.6
25°	288.6
27.5°	279.6
30°	268.6
32.5°	255.6
35°	243.6
37.5°	227.7
40°	212.7
42.5°	196.7
45°	178.7
47.5°	158.8
50°	138.8
52.5°	119.8
55°	100.9
57.5°	83.9
60°	68.9
62.5°	55.9
65°	44.9
67.5°	34.9
70°	27.0
72.5°	20.0
75°	15.0
77.5°	11.0
80°	8.0
82.5°	5.0
85°	3.0
87.5°	2.0
90°	0.0

(END OF REPORT)