

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: P199330

Luminaire Tested: **LT460WH6940**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P199330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P28071)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: LT460WH6940
Description: 4" LT LED RECESSED DOWNLIGHT

Light Source: EATON LED 4000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

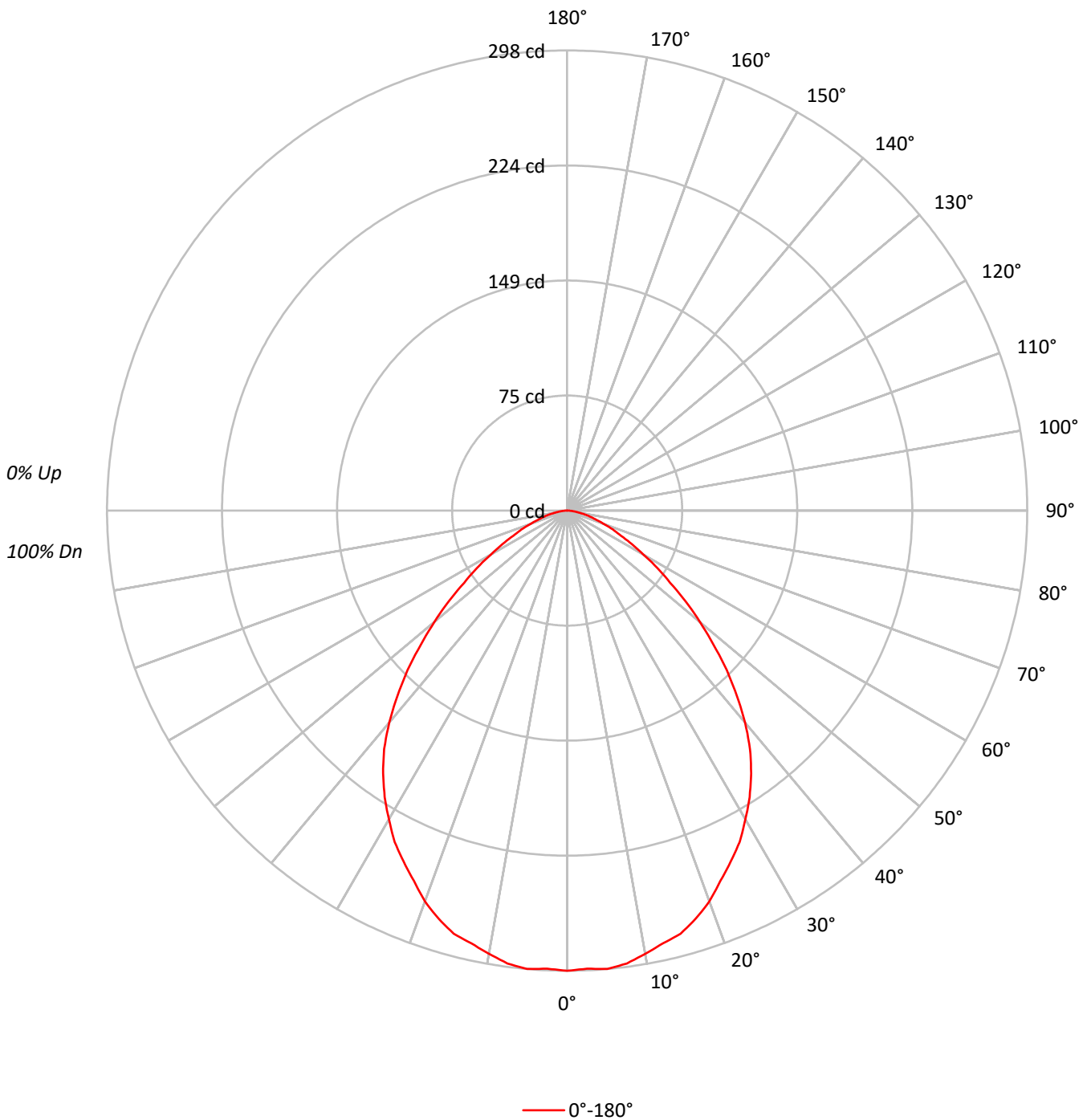
Lumens per Lamp: N/A
Luminaire Lumens: 598.7 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.23
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
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	101	99	100	98	96		97	95	93		93	91	90	88
2	102	95	90	85	100	94	88	84	90	86	82		87	83	80		84	81	78	76
3	95	86	79	73	92	84	78	72	81	76	71		79	74	70		76	72	69	67
4	88	77	69	63	85	76	69	63	73	67	62		71	66	61		69	64	61	59
5	81	70	62	56	79	69	61	56	67	60	55		65	59	54		63	58	54	52
6	75	63	55	50	74	63	55	49	61	54	49		59	53	49		58	52	48	46
7	70	58	50	45	69	57	50	44	56	49	44		54	48	44		53	48	44	42
8	66	53	46	40	64	53	45	40	51	45	40		50	44	40		49	44	39	38
9	62	49	42	37	60	49	41	36	48	41	36		47	41	36		46	40	36	34
10	58	46	38	33	57	45	38	33	44	38	33		43	37	33		43	37	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	36757
5°	36897
10°	36497
15°	36228
20°	35362
25°	34119
30°	32886
35°	31290
40°	28854
45°	25503
50°	21530
55°	17505
60°	14111
65°	11237
70°	9124
75°	7339
80°	5469
85°	4670



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	4.7
10°-20°	79.6	13.3
20°-30°	115.5	19.3
30°-40°	129.3	21.6
40°-50°	112.2	18.7
50°-60°	74.0	12.4
60°-70°	39.2	6.6
70°-80°	16.8	2.8
80°-90°	3.7	0.6
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°	223.3	37.3
0°-40°	352.6	58.9
0°-60°	538.9	90.0
0°-90°	598.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	598.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	298	
5°	298	28
15°	284	80
25°	251	115
35°	208	129
45°	146	112
55°	81	74
65°	38	39
75°	15	17
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	298.0
2.5°	296.9
5°	298.0
7.5°	295.8
10°	291.4
12.5°	287.0
15°	283.7
17.5°	277.1
20°	269.4
22.5°	259.5
25°	250.7
27.5°	241.9
30°	230.9
32.5°	219.9
35°	207.8
37.5°	194.6
40°	179.2
42.5°	162.7
45°	146.2
47.5°	128.6
50°	112.2
52.5°	96.8
55°	81.4
57.5°	69.3
60°	57.2
62.5°	47.3
65°	38.5
67.5°	31.9
70°	25.3
72.5°	19.8
75°	15.4
77.5°	12.1
80°	7.7
82.5°	5.5
85°	3.3
87.5°	1.1
90°	0.0

(END OF REPORT)