

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: P199331

Luminaire Tested: **LT460WH6950**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P199331  
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: LT460WH6950  
Description: 4" LT LED RECESSED DOWNLIGHT  
  
Light Source: EATON LED 5000K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

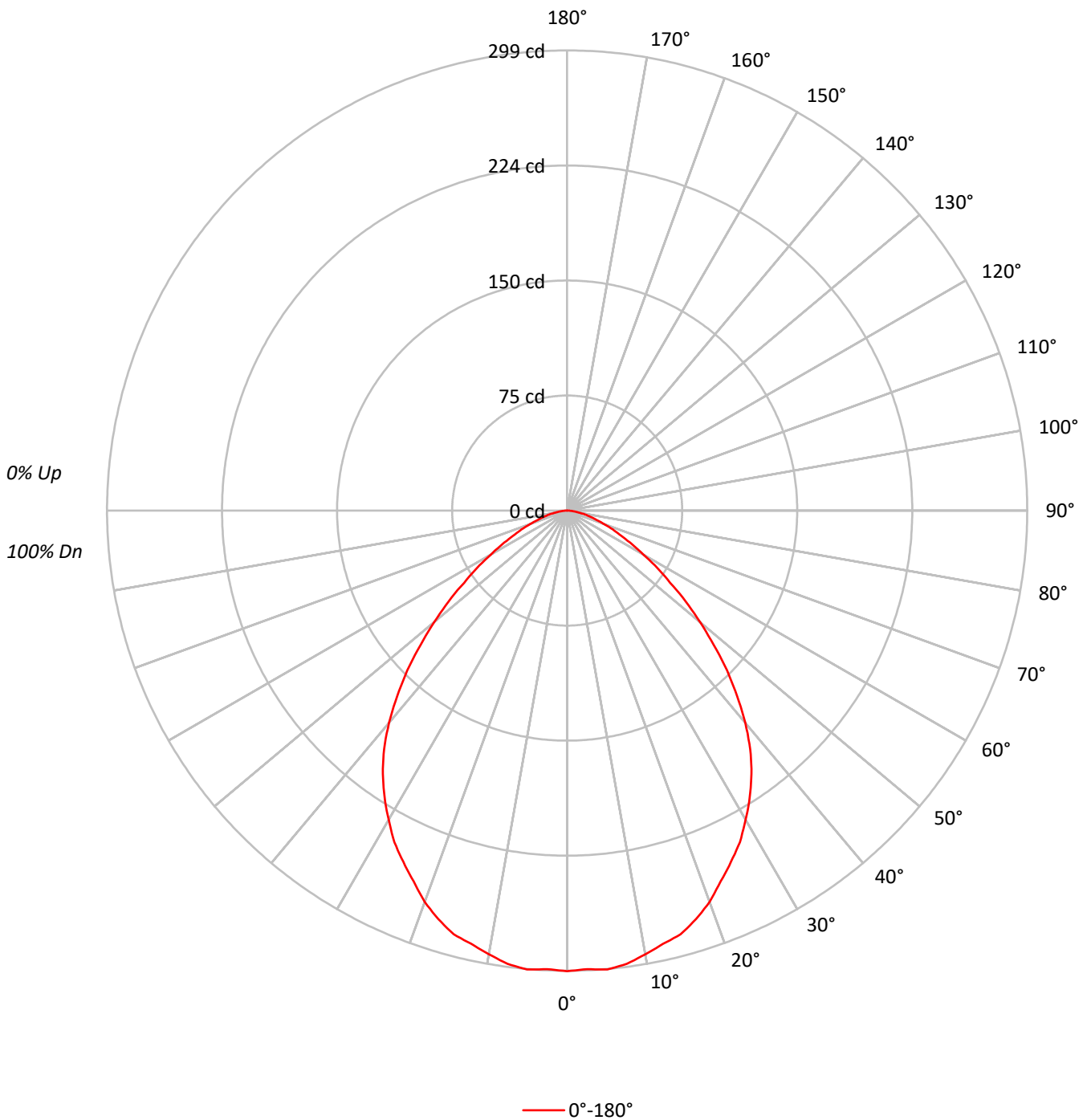
Lumens per Lamp: N/A  
Luminaire Lumens: 601.4 lumens  
Efficiency: N/A  
Efficacy: 76.1 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.23  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	36917
5°	37058
10°	36660
15°	36394
20°	35519
25°	34283
30°	33043
35°	31441
40°	28999
45°	25625
50°	21626
55°	17569
60°	14160
65°	11295
70°	9160
75°	7387
80°	5469
85°	4670



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.3	4.7
10°-20°	80.0	13.3
20°-30°	116.0	19.3
30°-40°	129.9	21.6
40°-50°	112.7	18.7
50°-60°	74.3	12.4
60°-70°	39.4	6.6
70°-80°	16.9	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°	224.4	37.3
0°-40°	354.3	58.9
0°-60°	541.4	90.0
0°-90°	601.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	601.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	299	
5°	299	28
15°	285	80
25°	252	116
35°	209	130
45°	147	113
55°	82	74
65°	39	39
75°	16	17
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	299.3
2.5°	298.2
5°	299.3
7.5°	297.1
10°	292.7
12.5°	288.3
15°	285.0
17.5°	278.4
20°	270.6
22.5°	260.7
25°	251.9
27.5°	243.0
30°	232.0
32.5°	220.9
35°	208.8
37.5°	195.5
40°	180.1
42.5°	163.5
45°	146.9
47.5°	129.2
50°	112.7
52.5°	97.2
55°	81.7
57.5°	69.6
60°	57.4
62.5°	47.5
65°	38.7
67.5°	32.0
70°	25.4
72.5°	19.9
75°	15.5
77.5°	12.2
80°	7.7
82.5°	5.5
85°	3.3
87.5°	1.1
90°	0.0

(END OF REPORT)