

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: P199332

Luminaire Tested: **LT460WH6935**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P199332  
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: LT460WH6935  
Description: 4" LT LED RECESSED DOWNLIGHT  
  
Light Source: EATON LED 3500K  
Ballast/Driver: ELECTRONIC DRIVER

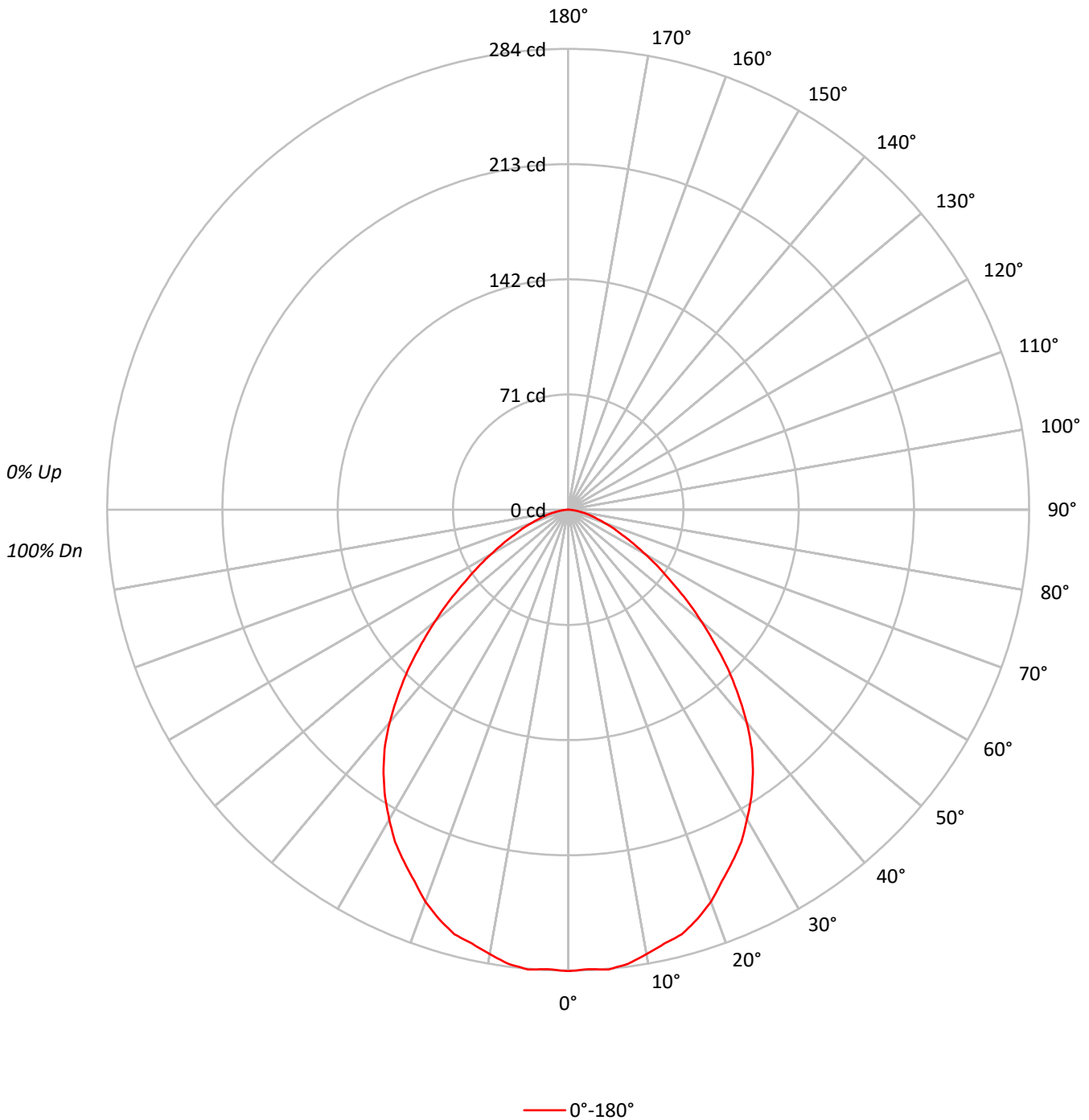
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 571.4 lumens  
Efficiency: N/A  
Efficacy: 72.3 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	64	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	64	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°	35079
5°	35213
10°	34832
15°	34580
20°	33747
25°	32568
30°	31391
35°	29875
40°	27550
45°	24351
50°	20552
55°	16709
60°	13469
65°	10711
70°	8691
75°	7006
80°	5185
85°	4387



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.9	4.7
10°-20°	76.0	13.3
20°-30°	110.2	19.3
30°-40°	123.4	21.6
40°-50°	107.1	18.7
50°-60°	70.7	12.4
60°-70°	37.4	6.5
70°-80°	16.0	2.8
80°-90°	3.5	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°	213.2	37.3
0°-40°	336.6	58.9
0°-60°	514.4	90.0
0°-90°	571.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	571.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	284	
5°	284	27
15°	271	76
25°	239	110
35°	198	123
45°	140	107
55°	78	71
65°	37	37
75°	15	16
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	284.4
2.5°	283.4
5°	284.4
7.5°	282.3
10°	278.1
12.5°	273.9
15°	270.8
17.5°	264.5
20°	257.1
22.5°	247.7
25°	239.3
27.5°	230.9
30°	220.4
32.5°	209.9
35°	198.4
37.5°	185.8
40°	171.1
42.5°	155.3
45°	139.6
47.5°	122.8
50°	107.1
52.5°	92.4
55°	77.7
57.5°	66.1
60°	54.6
62.5°	45.1
65°	36.7
67.5°	30.4
70°	24.1
72.5°	18.9
75°	14.7
77.5°	11.5
80°	7.3
82.5°	5.2
85°	3.1
87.5°	1.0
90°	0.0

(END OF REPORT)