

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: P175365

Luminaire Tested: **RL460WH935PK**

Test Date: 04/09/15

**Test Information**

Test Method: LM-41-14  
Report Number: P175365  
Test Lab: INNOVATION CENTER-P2  
Test Date: 04/09/15  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: RL460WH935PK  
Description: HALO RL460 - 4IN RECESSED -HV LED FIXTURE  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25992)  
Light Source: -  
Ballast/Driver: -

**Summary**

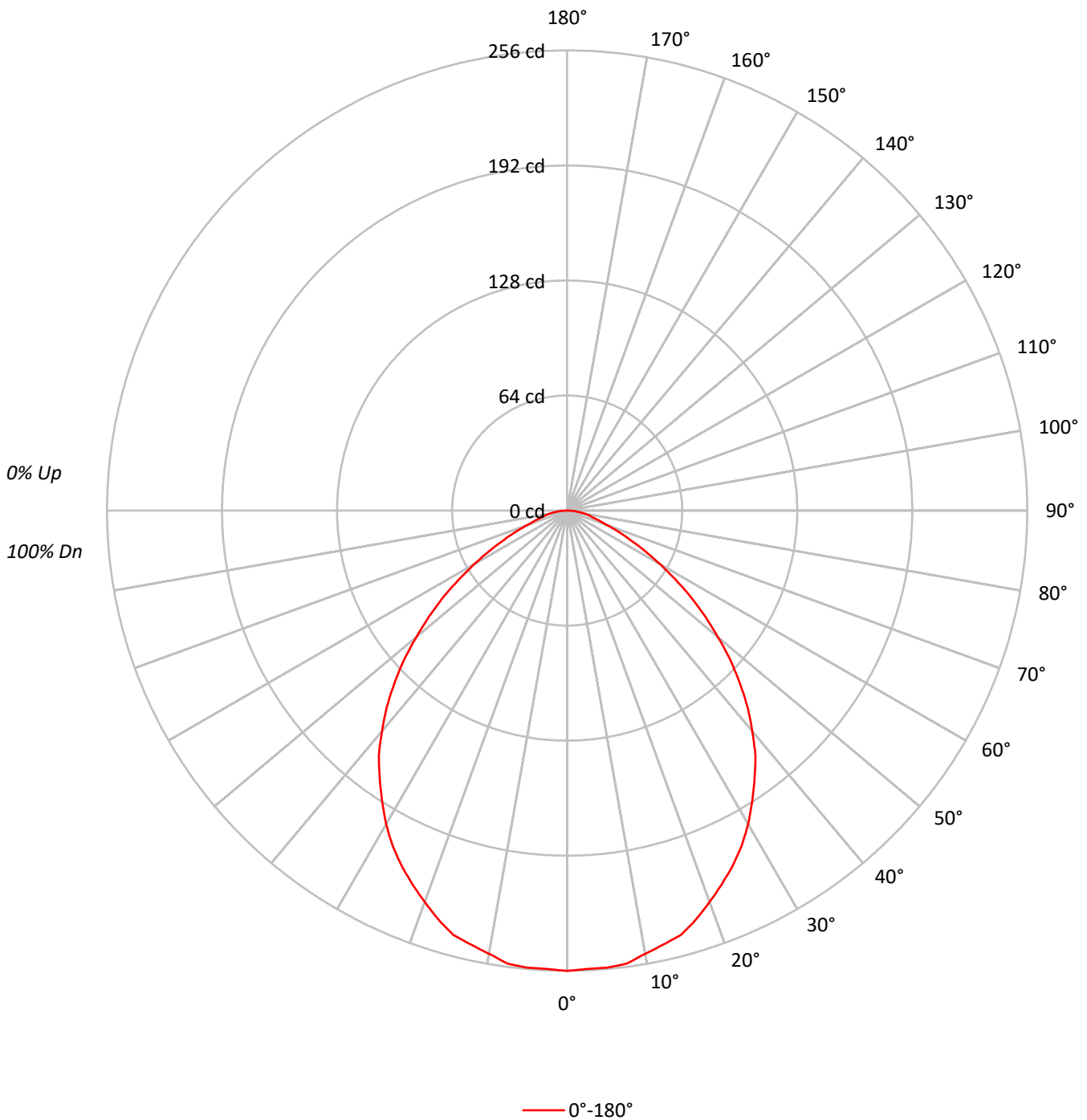
Lumens per Lamp: N/A  
Luminaire Lumens: 547.5 lumens  
Efficiency: N/A  
Efficacy: 61.4 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.25  
Luminous Opening: Vertical Cylinder (Dia: 0.29' x H: 0.1')  
CIE Type: Direct

Input Watts (W): 8.91  
Input Voltage (V): NR  
Input Current (Ain): 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	110	106	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	85	77	72	92	83	76	71	80	74	70	78	73	69	75	71	67	65
4	87	76	68	62	85	75	67	62	72	66	61	70	64	60	68	63	59	57
5	80	69	60	54	78	67	60	54	65	59	54	64	58	53	62	57	52	50
6	75	62	54	48	73	61	54	48	60	53	48	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	35	33
10	57	45	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	41259
5°	39753
10°	38020
15°	36494
20°	34277
25°	32197
30°	29924
35°	27384
40°	24674
45°	21554
50°	18053
55°	14550
60°	10935
65°	7698
70°	5033
75°	3480
80°	2616
85°	1512



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.2	4.4
10°-20°	68.6	12.5
20°-30°	100.2	18.3
30°-40°	113.6	20.7
40°-50°	104.5	19.1
50°-60°	75.1	13.7
60°-70°	39.7	7.2
70°-80°	16.5	3.0
80°-90°	5.1	0.9
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°	193.0	35.3
0°-40°	306.6	56.0
0°-60°	486.2	88.8
0°-90°	547.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	547.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	256	
5°	255	24
15°	244	69
25°	218	100
35°	182	114
45°	136	105
55°	84	75
65°	39	40
75°	15	17
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	256.1
2.5°	255.2
5°	255.2
7.5°	254.2
10°	250.3
12.5°	247.3
15°	244.4
17.5°	238.5
20°	231.7
22.5°	224.9
25°	218.0
27.5°	210.2
30°	201.4
32.5°	191.6
35°	181.8
37.5°	172.1
40°	160.3
42.5°	148.6
45°	135.9
47.5°	123.2
50°	109.5
52.5°	96.8
55°	84.1
57.5°	71.4
60°	59.6
62.5°	48.9
65°	39.1
67.5°	31.3
70°	23.5
72.5°	18.6
75°	14.7
77.5°	12.7
80°	9.8
82.5°	6.8
85°	4.9
87.5°	2.0
90°	0.0

(END OF REPORT)