

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: P175363

Luminaire Tested: **RL460WH927PK**

Test Date: 04/09/15

**Test Information**

Test Method: LM-41-14  
Report Number: P175363  
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: RL460WH927PK  
Description: HALO RL460 - 4IN RECESSED -HV LED FIXTURE  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25992)  
Light Source: -  
Ballast/Driver: -

**Summary**

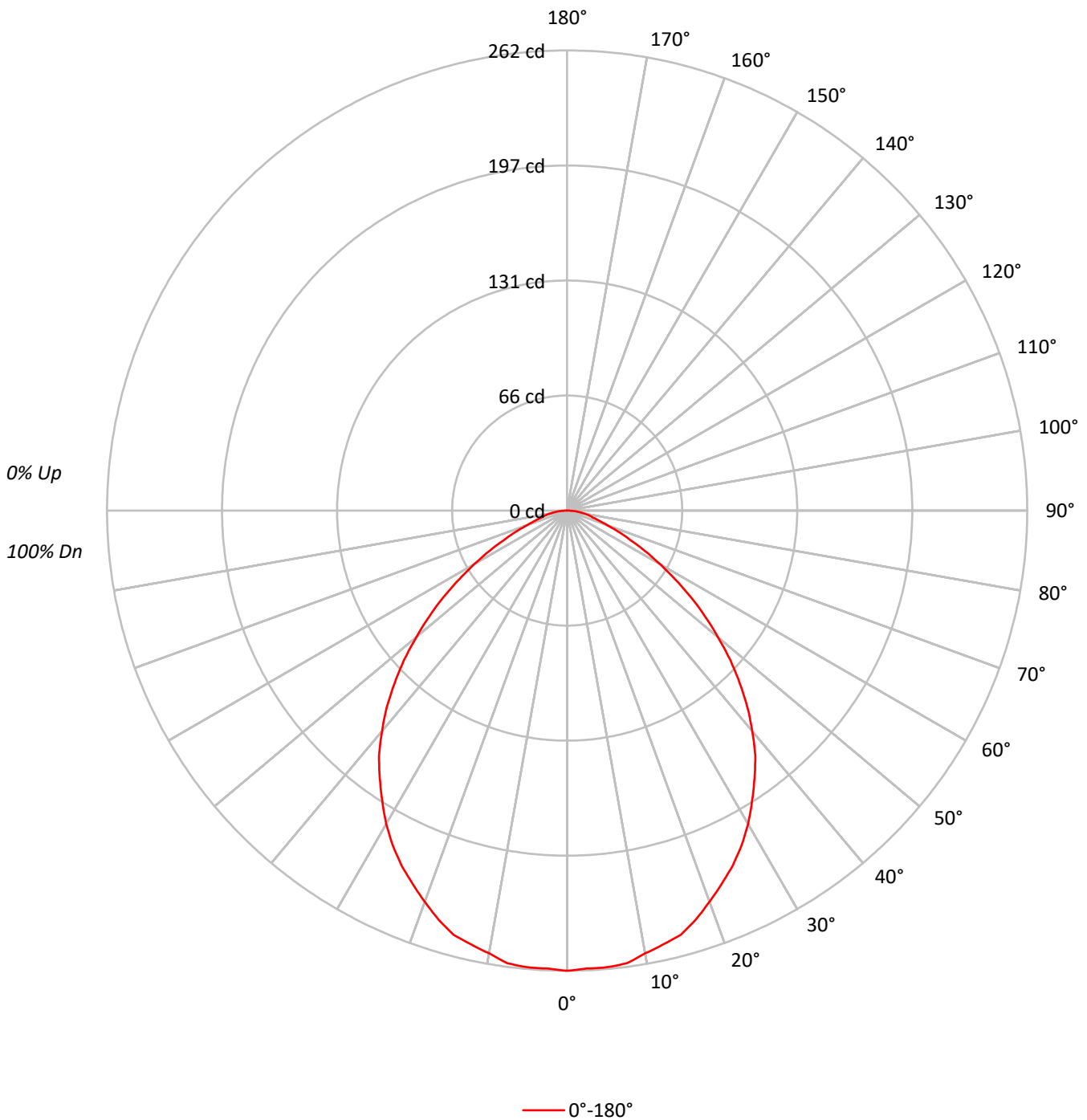
Lumens per Lamp: N/A  
Luminaire Lumens: 560.0 lumens  
Efficiency: N/A  
Efficacy: 58.1 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.25  
Luminous Opening: Vertical Cylinder (Dia: 0.29' x H: 0.1')  
CIE Type: Direct

Input Watts (W): 9.63  
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



TEST NUMBER: P175363  
CATALOG NUMBER: RL460WH927PK

### Luminous Intensity Polar Plot





TEST NUMBER: P175363

CATALOG NUMBER: RL460WH927PK

**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°	42209
5°	40656
10°	38886
15°	37330
20°	35061
25°	32936
30°	30607
35°	28017
40°	25244
45°	22045
50°	18465
55°	14879
60°	11192
65°	7875
70°	5140
75°	3551
80°	2669
85°	1543



TEST NUMBER: P175363

CATALOG NUMBER: RL460WH927PK

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.8	4.4
10°-20°	70.1	12.5
20°-30°	102.5	18.3
30°-40°	116.2	20.7
40°-50°	106.9	19.1
50°-60°	76.8	13.7
60°-70°	40.6	7.2
70°-80°	16.9	3.0
80°-90°	5.2	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°	197.4	35.3
0°-40°	313.6	56.0
0°-60°	497.3	88.8
0°-90°	560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	560.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	262	
5°	261	25
15°	250	70
25°	223	103
35°	186	116
45°	139	107
55°	86	77
65°	40	41
75°	15	17
85°	5	5
90°	0	



TEST NUMBER: P175363

CATALOG NUMBER: RL460WH927PK

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	262
2.5°	261
5°	261
7.5°	260
10°	256
12.5°	253
15°	250
17.5°	244
20°	237
22.5°	230
25°	223
27.5°	215
30°	206
32.5°	196
35°	186
37.5°	176
40°	164
42.5°	152
45°	139
47.5°	126
50°	112
52.5°	99
55°	86
57.5°	73
60°	61
62.5°	50
65°	40
67.5°	32
70°	24
72.5°	19
75°	15
77.5°	13
80°	10
82.5°	7
85°	5
87.5°	2
90°	0

(END OF REPORT)