

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: P175359

Luminaire Tested: **RL460WH827PK**

Test Date: 04/09/15

Test Information

Test Method: LM-41-14
Report Number: P175359
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: RL460WH827PK
Description: HALO RL460 - 4IN RECESSED -HV LED FIXTURE
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25991)
Light Source: -
Ballast/Driver: -

Summary

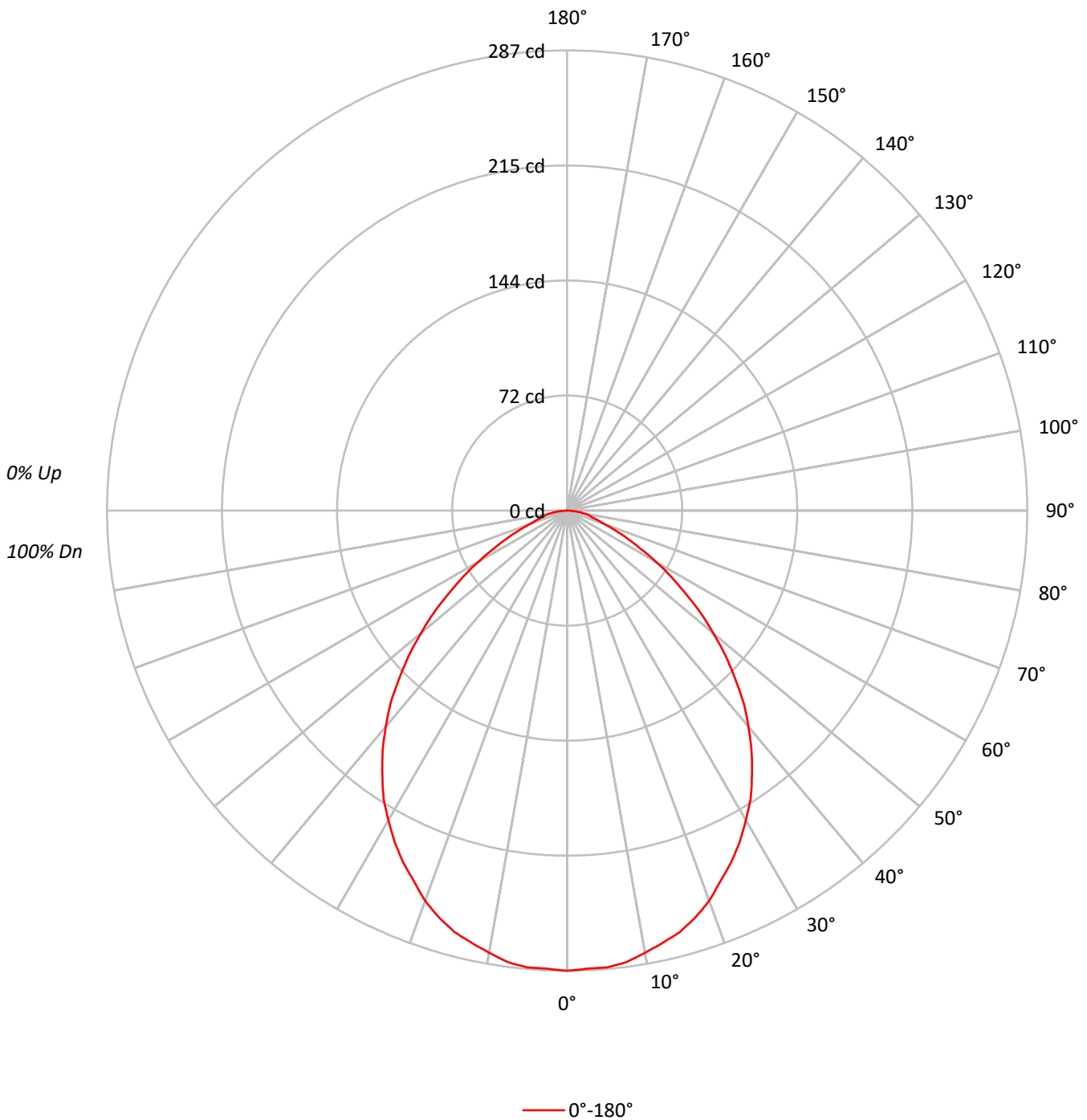
Lumens per Lamp: N/A
Luminaire Lumens: 601.3 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 0.29' x H: 0.1')
CIE Type: Direct

Input Watts (W): 7.4
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	111	106	103	100	108	104	101	98	100	97	95		96	94	92		93	91	89	87
2	102	95	89	84	99	93	88	83	90	85	81		86	83	79		83	80	78	76
3	94	85	78	72	92	83	77	71	80	75	70		78	73	69		75	71	68	66
4	87	76	68	62	85	75	68	62	72	66	61		70	65	60		68	63	60	58
5	80	69	61	55	78	68	60	54	66	59	54		64	58	53		62	57	53	51
6	75	63	54	48	73	62	54	48	60	53	48		58	52	47		57	51	47	45
7	70	57	49	43	68	56	49	43	55	48	43		53	47	43		52	47	42	40
8	65	52	44	39	64	52	44	39	50	44	39		49	43	39		48	43	38	37
9	61	48	41	35	60	48	40	35	47	40	35		46	39	35		45	39	35	33
10	57	45	37	32	56	44	37	32	43	37	32		42	36	32		42	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46237
5°	44550
10°	42531
15°	40615
20°	38316
25°	35742
30°	33133
35°	30276
40°	27091
45°	23473
50°	19619
55°	15571
60°	11743
65°	8269
70°	5354
75°	3788
80°	2936
85°	1543



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.1	4.5
10°-20°	76.5	12.7
20°-30°	111.3	18.5
30°-40°	125.5	20.9
40°-50°	114.1	19.0
50°-60°	81.1	13.5
60°-70°	42.3	7.0
70°-80°	17.9	3.0
80°-90°	5.6	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°	214.9	35.7
0°-40°	340.4	56.6
0°-60°	535.5	89.1
0°-90°	601.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	601.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	287	
5°	286	27
15°	272	76
25°	242	111
35°	201	125
45°	148	114
55°	90	81
65°	42	42
75°	16	18
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	287
2.5°	286
5°	286
7.5°	284
10°	280
12.5°	276
15°	272
17.5°	266
20°	259
22.5°	250
25°	242
27.5°	233
30°	223
32.5°	213
35°	201
37.5°	189
40°	176
42.5°	163
45°	148
47.5°	134
50°	119
52.5°	105
55°	90
57.5°	77
60°	64
62.5°	52
65°	42
67.5°	33
70°	25
72.5°	20
75°	16
77.5°	14
80°	11
82.5°	8
85°	5
87.5°	2
90°	0

(END OF REPORT)