

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: P175366

Luminaire Tested: **RL460WH940PK**

Test Date: 04/09/15

Test Information

Test Method: LM-41-14
Report Number: P175366
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: RL460WH940PK
Description: HALO RL460 - 4IN RECESSED -HV LED FIXTURE
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25992)
Light Source: -
Ballast/Driver: -

Summary

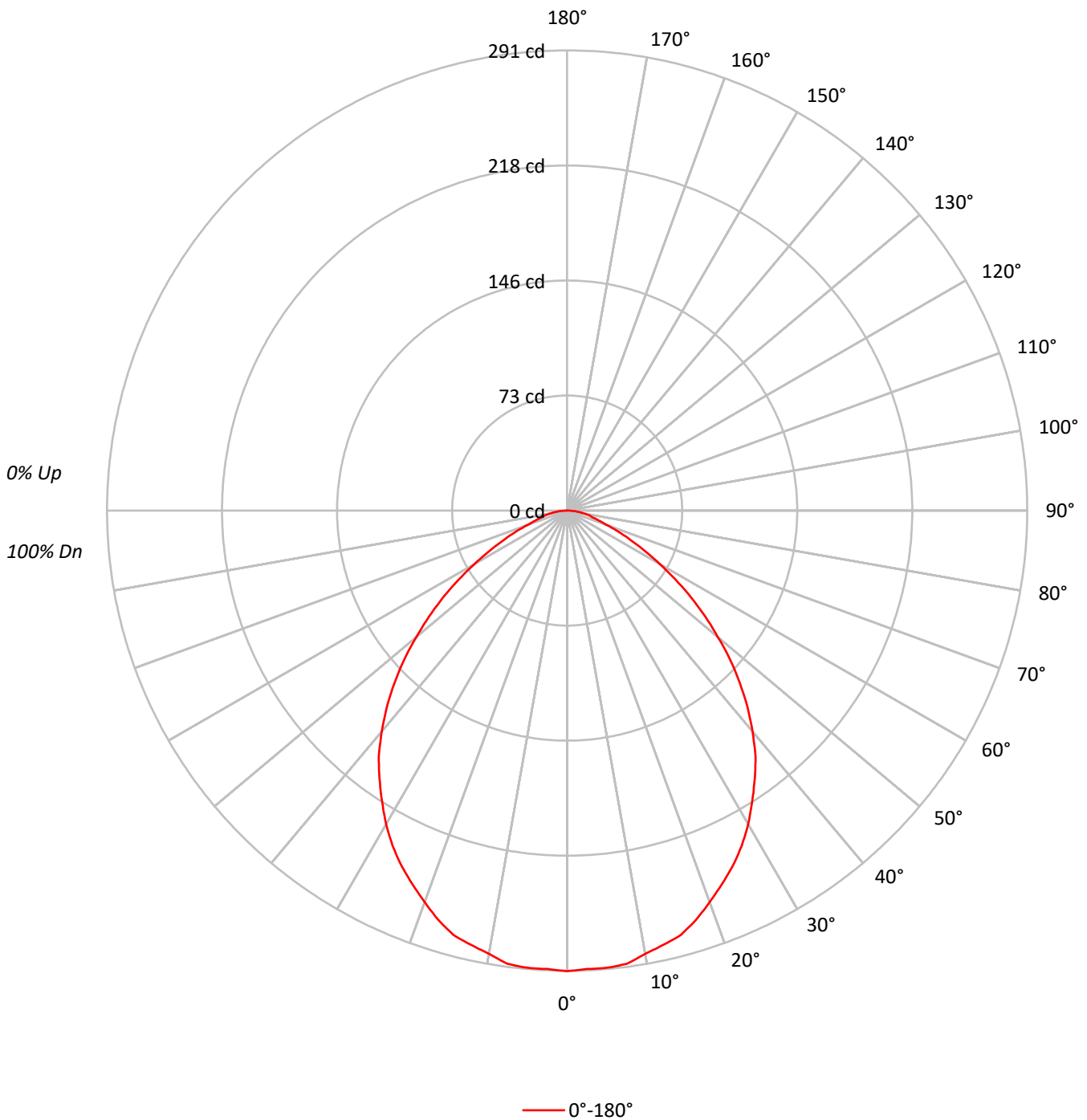
Lumens per Lamp: N/A
Luminaire Lumens: 622.6 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.25
Luminous Opening: Vertical Cylinder (Dia: 0.29' x H: 0.1')
CIE Type: Direct

Input Watts (W): 8.65
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°	46930
5°	45204
10°	43230
15°	41496
20°	38982
25°	36613
30°	34025
35°	31150
40°	28060
45°	24504
50°	20525
55°	16540
60°	12440
65°	8761
70°	5718
75°	3954
80°	2963
85°	1728



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	4.4
10°-20°	78.0	12.5
20°-30°	114.0	18.3
30°-40°	129.2	20.7
40°-50°	118.8	19.1
50°-60°	85.4	13.7
60°-70°	45.1	7.3
70°-80°	18.8	3.0
80°-90°	5.8	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°	219.5	35.3
0°-40°	348.7	56.0
0°-60°	552.9	88.8
0°-90°	622.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	622.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	291	
5°	290	28
15°	278	78
25°	248	114
35°	207	129
45°	154	119
55°	96	85
65°	44	45
75°	17	19
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	291.3
2.5°	290.2
5°	290.2
7.5°	289.1
10°	284.6
12.5°	281.3
15°	277.9
17.5°	271.3
20°	263.5
22.5°	255.7
25°	247.9
27.5°	239.0
30°	229.0
32.5°	217.9
35°	206.8
37.5°	195.7
40°	182.3
42.5°	169.0
45°	154.5
47.5°	140.1
50°	124.5
52.5°	110.1
55°	95.6
57.5°	81.2
60°	67.8
62.5°	55.6
65°	44.5
67.5°	35.6
70°	26.7
72.5°	21.1
75°	16.7
77.5°	14.5
80°	11.1
82.5°	7.8
85°	5.6
87.5°	2.2
90°	0.0

(END OF REPORT)