

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: P175361

Luminaire Tested: **RL460WH835PK**

Test Date: 04/09/15

Test Information

Test Method: LM-41-14
Report Number: P175361
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: RL460WH835PK
Description: HALO RL460 - 4IN RECESSED -HV LED FIXTURE
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25991)
Light Source: -
Ballast/Driver: -

Summary

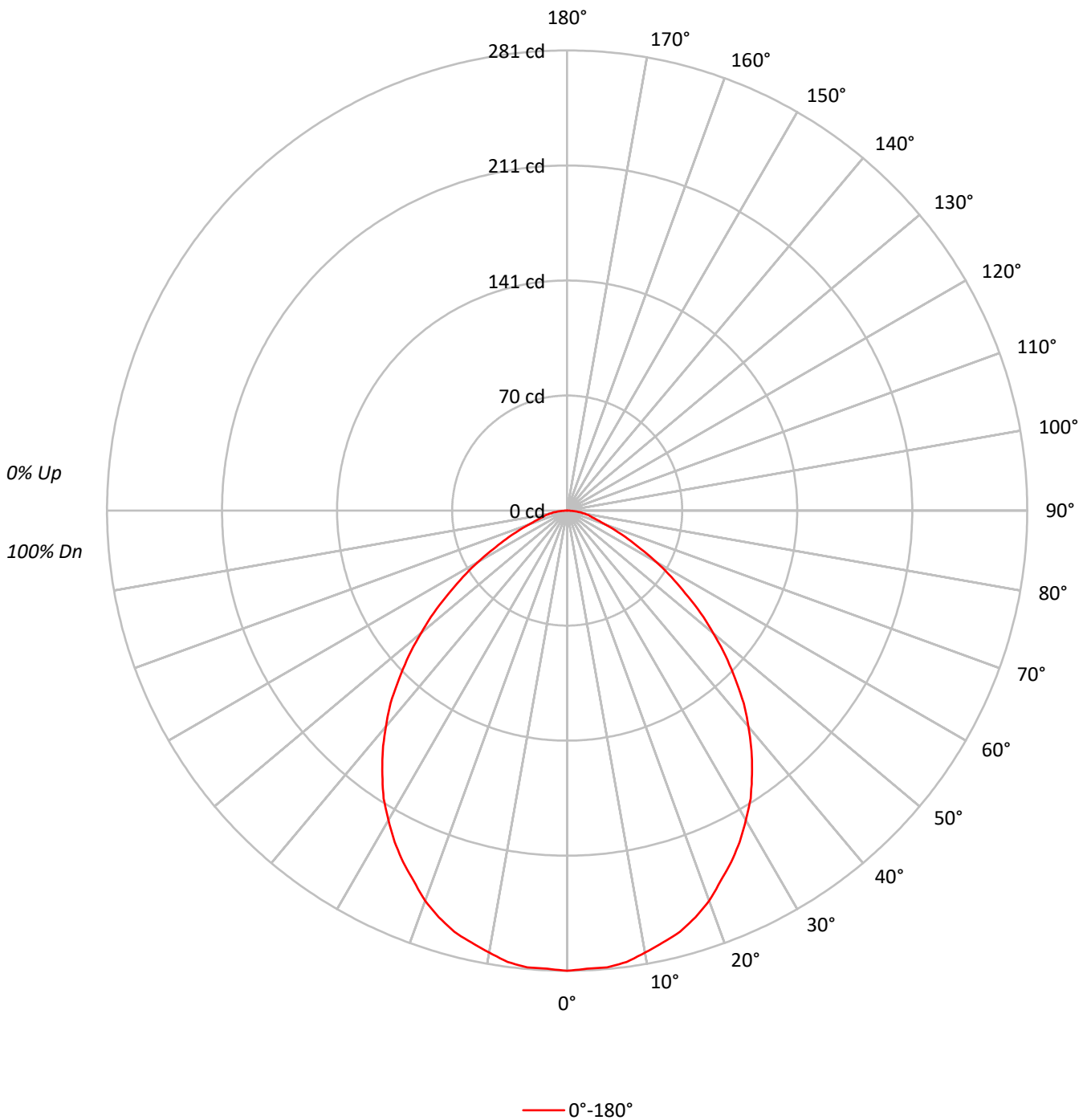
Lumens per Lamp: N/A
Luminaire Lumens: 588.7 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 0.29' x H: 0.1')
CIE Type: Direct

Input Watts (W): 7.22
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°	45270
5°	43616
10°	41635
15°	39764
20°	37517
25°	34989
30°	32435
35°	29644
40°	26521
45°	22981
50°	19207
55°	15242
60°	11504
65°	8092
70°	5247
75°	3717
80°	2883
85°	1512



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	4.5
10°-20°	74.9	12.7
20°-30°	109.0	18.5
30°-40°	122.8	20.9
40°-50°	111.7	19.0
50°-60°	79.4	13.5
60°-70°	41.4	7.0
70°-80°	17.6	3.0
80°-90°	5.5	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°	210.4	35.7
0°-40°	333.2	56.6
0°-60°	524.3	89.0
0°-90°	588.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	588.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	281	
5°	280	27
15°	266	75
25°	237	109
35°	197	123
45°	145	112
55°	88	79
65°	41	41
75°	16	18
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	281.0
2.5°	280.0
5°	280.0
7.5°	278.0
10°	274.1
12.5°	270.2
15°	266.3
17.5°	260.4
20°	253.6
22.5°	244.8
25°	236.9
27.5°	228.1
30°	218.3
32.5°	208.5
35°	196.8
37.5°	185.0
40°	172.3
42.5°	159.6
45°	144.9
47.5°	131.2
50°	116.5
52.5°	102.8
55°	88.1
57.5°	75.4
60°	62.7
62.5°	50.9
65°	41.1
67.5°	32.3
70°	24.5
72.5°	19.6
75°	15.7
77.5°	13.7
80°	10.8
82.5°	7.8
85°	4.9
87.5°	2.0
90°	0.0

(END OF REPORT)