

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: P175362

Luminaire Tested: **RL460WH840PK**

Test Date: 04/09/15

Test Information

Test Method: LM-41-14
Report Number: P175362
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: RL460WH840PK
Description: HALO RL460 - 4IN RECESSED -HV LED FIXTURE
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25991)
Light Source: -
Ballast/Driver: -

Summary

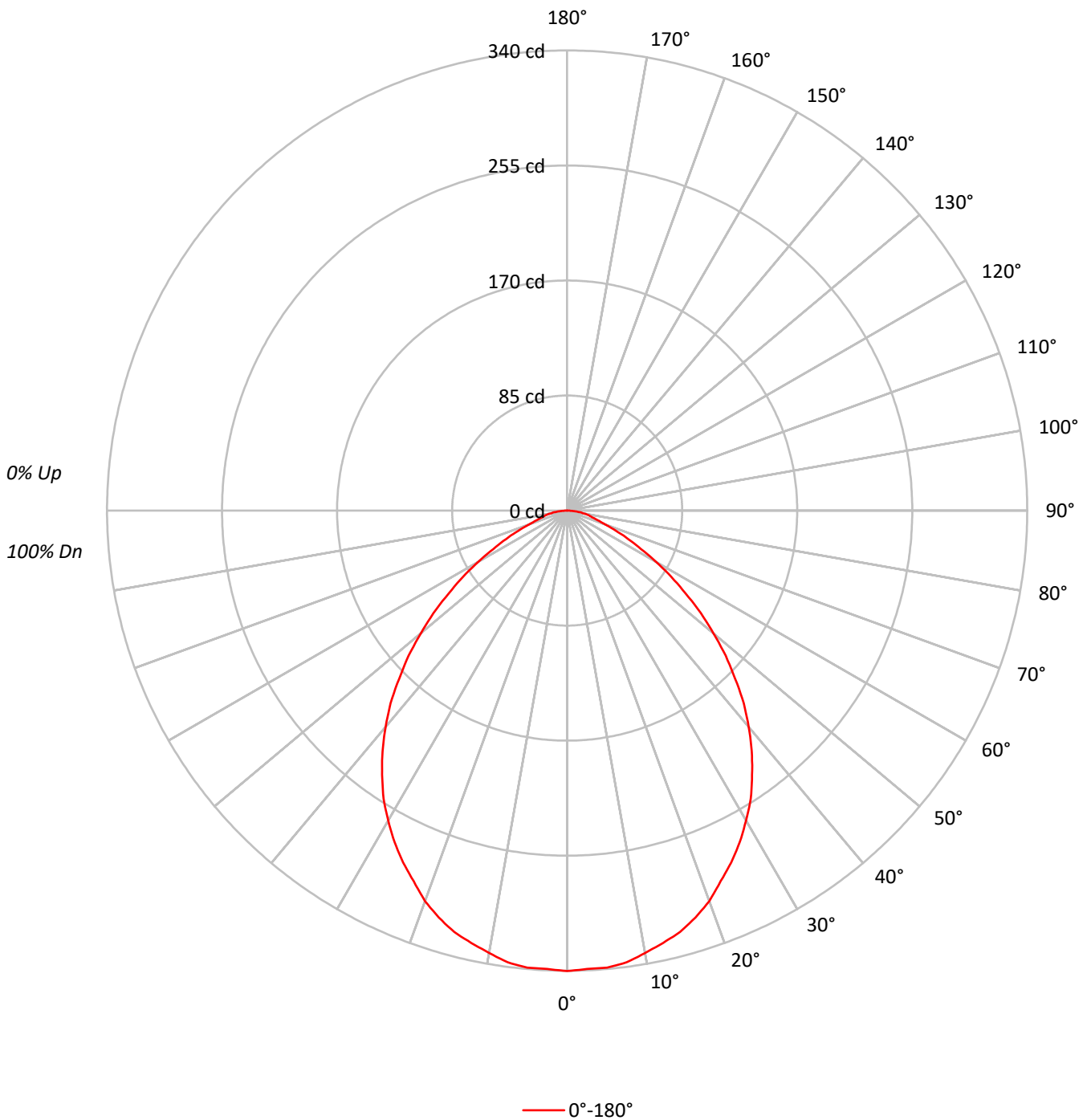
Lumens per Lamp: N/A
Luminaire Lumens: 712.9 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 0.29' x H: 0.1')
CIE Type: Direct

Input Watts (W): 7.21
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°	54808
5°	52806
10°	50415
15°	48141
20°	45417
25°	42373
30°	39284
35°	35895
40°	32109
45°	27834
50°	23262
55°	18460
60°	13926
65°	9805
70°	6339
75°	4498
80°	3470
85°	1821



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.1	4.5
10°-20°	90.7	12.7
20°-30°	132.0	18.5
30°-40°	148.7	20.9
40°-50°	135.3	19.0
50°-60°	96.1	13.5
60°-70°	50.1	7.0
70°-80°	21.3	3.0
80°-90°	6.6	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°	254.8	35.7
0°-40°	403.5	56.6
0°-60°	634.9	89.1
0°-90°	712.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	712.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	340	
5°	339	32
15°	322	91
25°	287	132
35°	238	149
45°	176	135
55°	107	96
65°	50	50
75°	19	21
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	340.2
2.5°	339.0
5°	339.0
7.5°	336.7
10°	331.9
12.5°	327.2
15°	322.4
17.5°	315.3
20°	307.0
22.5°	296.4
25°	286.9
27.5°	276.2
30°	264.4
32.5°	252.5
35°	238.3
37.5°	224.1
40°	208.6
42.5°	193.2
45°	175.5
47.5°	158.9
50°	141.1
52.5°	124.5
55°	106.7
57.5°	91.3
60°	75.9
62.5°	61.6
65°	49.8
67.5°	39.1
70°	29.6
72.5°	23.7
75°	19.0
77.5°	16.6
80°	13.0
82.5°	9.5
85°	5.9
87.5°	2.4
90°	0.0

(END OF REPORT)