

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: P#

Luminaire Tested: **RL56069S1EWH-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27974)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: RL56069S1EWH-3500K
Description: Halo RL 5/6in Downlight - SeleCCTable 3500K
Light Source: -
Ballast/Driver: -

Summary

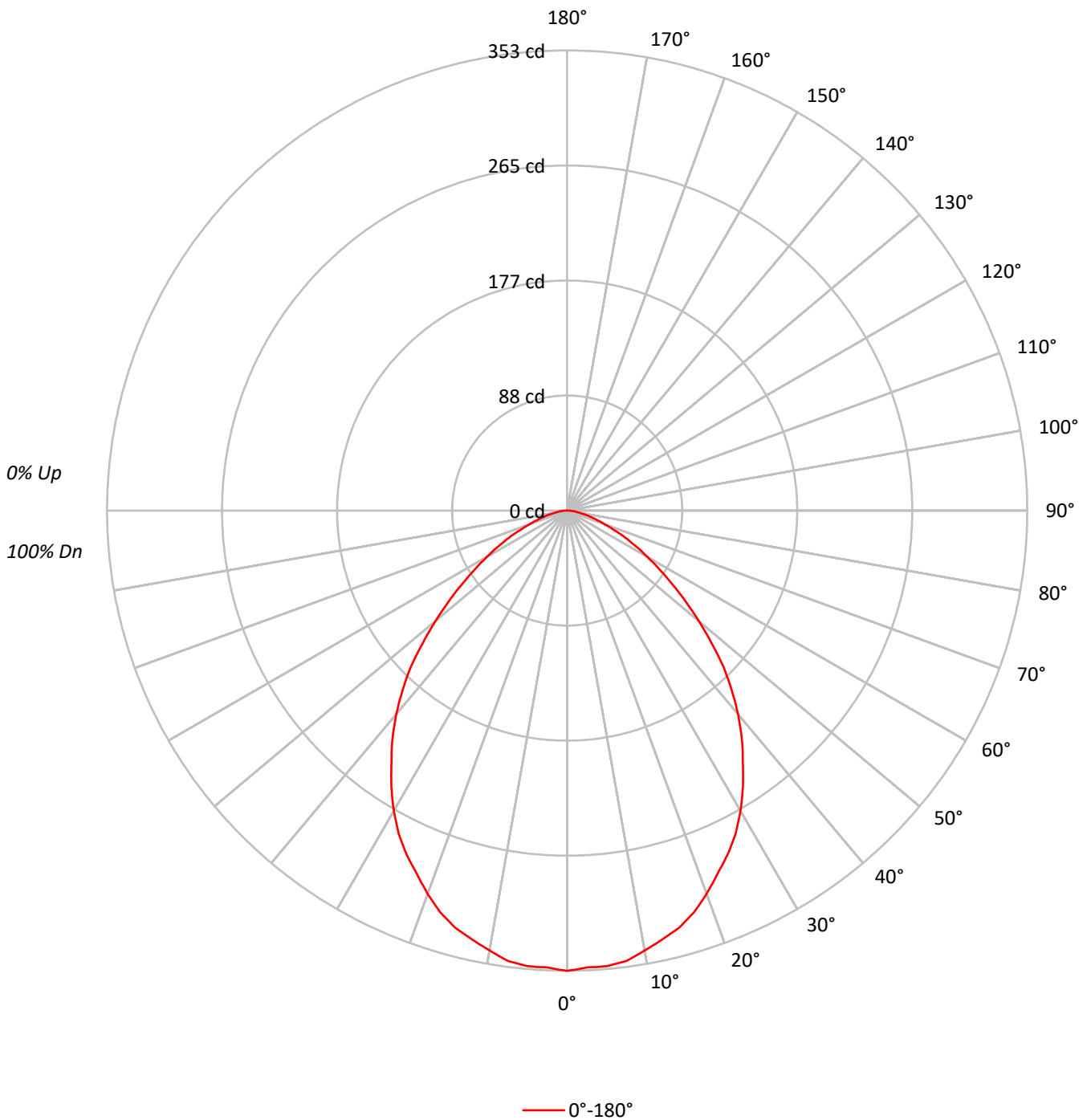
Lumens per Lamp: N/A
Luminaire Lumens: 700.0 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 7.6
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: P#
CATALOG NUMBER: RL56069S1EWH-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: RL56069S1EWH-3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60
5	81	69	61	56	79	68	61	55	66	60	55	64	59	54	63	58	54
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48
7	70	58	50	44	69	57	49	44	56	49	44	54	48	43	53	47	43
8	66	53	45	40	64	52	45	40	51	44	40	50	44	39	49	43	39
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	19357
5°	19304
10°	19077
15°	18803
20°	18254
25°	17614
30°	16832
35°	15727
40°	14599
45°	13149
50°	11241
55°	9424
60°	7795
65°	6395
70°	4953
75°	3876
80°	2904
85°	2893



TEST NUMBER: P#

CATALOG NUMBER: RL56069S1EWH-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.2	4.7
10°-20°	93.1	13.3
20°-30°	133.8	19.1
30°-40°	147.0	21.0
40°-50°	129.8	18.5
50°-60°	88.8	12.7
60°-70°	49.1	7.0
70°-80°	20.1	2.9
80°-90°	5.0	0.7
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°	260.1	37.2
0°-40°	407.2	58.2
0°-60°	625.8	89.4
0°-90°	700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	700.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	353	
5°	351	33
15°	331	93
25°	291	134
35°	235	147
45°	170	130
55°	99	89
65°	49	49
75°	18	20
85°	5	5
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: RL56069S1EWH-3500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	353.1
2.5°	350.8
5°	350.8
7.5°	348.5
10°	342.7
12.5°	337.0
15°	331.3
17.5°	323.3
20°	312.9
22.5°	301.5
25°	291.2
27.5°	279.7
30°	265.9
32.5°	251.0
35°	235.0
37.5°	220.1
40°	204.0
42.5°	186.8
45°	169.6
47.5°	150.2
50°	131.8
52.5°	114.6
55°	98.6
57.5°	83.7
60°	71.1
62.5°	59.6
65°	49.3
67.5°	39.0
70°	30.9
72.5°	24.1
75°	18.3
77.5°	13.8
80°	9.2
82.5°	6.9
85°	4.6
87.5°	2.3
90°	0.0

(END OF REPORT)