

Scaled data based on original data using
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge or
Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: 11859.0

Luminaire Tested: **L5300 39ELP SPOT SOCKET POSITION**

Issue Date: 3/3/2020



Test Information

Test Method: LM-46-04
Report Number: 11859.0
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L5300 39ELP SPOT SOCKET POSITION
Description: 1/39W CLEAR T4.5 BIPIN MINI MH 6.5"DIA TRACK LIGHT FIXTURE
SPECULAR REFL W/SANDBLASTED STAINLESS STEEL GLARE SHIELD
CLEAR GLASS LENS FIXTURE AIMED AT NADIR
Light Source: -
CMH39/TCUVCU830G8
Ballast/Driver: -

Summary

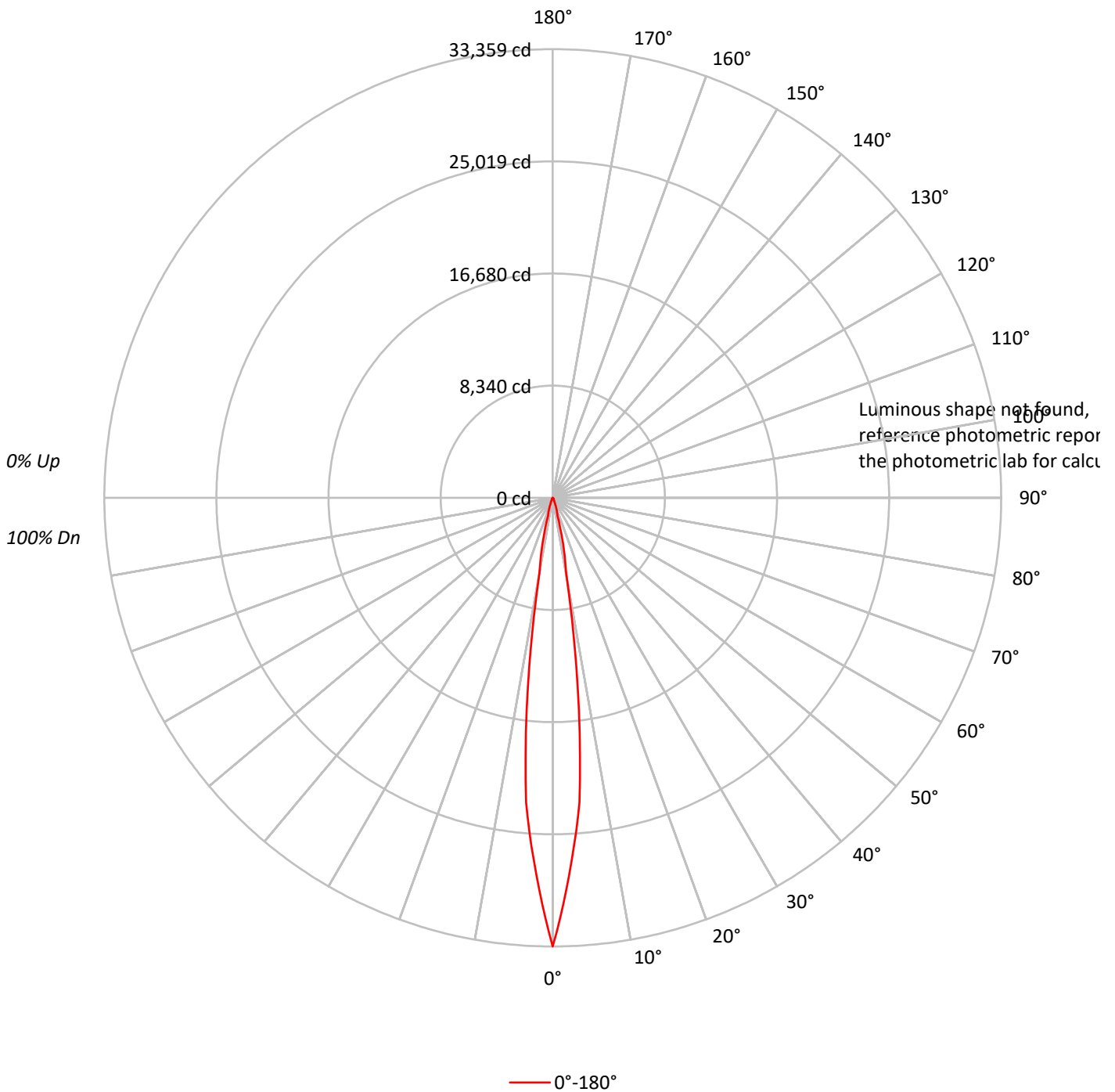
Lumens per Lamp: 3400 (1 lamp)
Luminaire Lumens: 2476.7 lumens
Efficiency: 72.8%
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 0.23 / 0.23 / 0.23
Luminous Opening: (L: 0.54 ' x W: 0 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 39
Input Voltage (V): NR
Input Current (A_{in}): 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: 11859.0

CATALOG NUMBER: L5300 39ELP SPOT SOCKET POSITION

Luminous Intensity Polar Plot





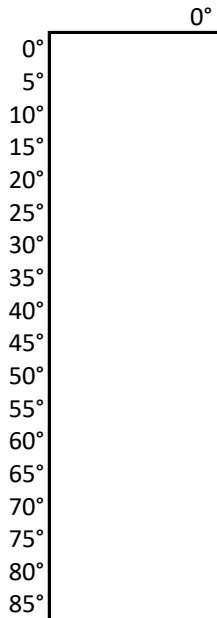
TEST NUMBER: 11859.0

CATALOG NUMBER: L5300 39ELP SPOT SOCKET POSITION

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	87	87	87	87	85	85	85	85	81	81	81		77	77	77		74	74	74	73
1	84	83	82	81	83	82	80	80	79	78	77		76	75	75		74	73	73	72
2	82	80	78	77	81	79	77	76	77	75	74		75	74	73		73	72	71	70
3	80	78	75	74	79	77	75	73	75	73	72		73	72	71		72	71	70	69
4	79	76	73	72	78	75	73	71	73	72	70		72	71	70		71	70	69	68
5	77	74	71	70	76	73	71	69	72	70	69		71	70	68		70	69	68	67
6	76	72	70	68	75	72	70	68	71	69	68		70	68	67		69	68	67	66
7	74	71	69	67	74	71	68	67	70	68	67		69	67	66		68	67	66	65
8	73	70	67	66	73	69	67	66	69	67	66		68	67	65		68	66	65	65
9	72	69	66	65	72	68	66	65	68	66	65		67	66	65		67	65	64	64
10	71	68	66	64	71	67	65	64	67	65	64		67	65	64		66	65	64	63

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: 11859.0

CATALOG NUMBER: L5300 39ELP SPOT SOCKET POSITION

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	1688.5	68.2	49.7
10°-20°	575.4	23.2	16.9
20°-30°	123.8	5.0	3.6
30°-40°	44.1	1.8	1.3
40°-50°	22.5	0.9	0.7
50°-60°	11.1	0.5	0.3
60°-70°	6.7	0.3	0.2
70°-80°	4.0	0.2	0.1
80°-90°	0.5	0.0	0.0
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	2387.7	96.4	70.2
0°-40°	2431.9	98.2	71.5
0°-60°	2465.6	99.5	72.5
0°-90°	2476.7	100.0	72.8
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	2476.7	100.0	72.8

CANDELA DISTRIBUTION:

	0°	Flux
0°	33359	
5°	22749	###
15°	1363	575
25°	237	124
35°	64	44
45°	23	23
55°	12	11
65°	7	7
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	33359
5°	22749
10°	5702
15°	1363
20°	534
25°	237
30°	102
35°	64
40°	54
45°	23
50°	18
55°	12
60°	8
65°	7
70°	5
75°	4
80°	2
85°	0
90°	0

(END OF REPORT)