

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: 11857.0

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-46-04
Report Number: 11857.0
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L5300 39ELP FLOOD 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
CLEARGLASS LENS FIXTURE AIMED AT NADIR
Light Source: -
CMH39/TCUVCU830G8
Ballast/Driver: -

Summary

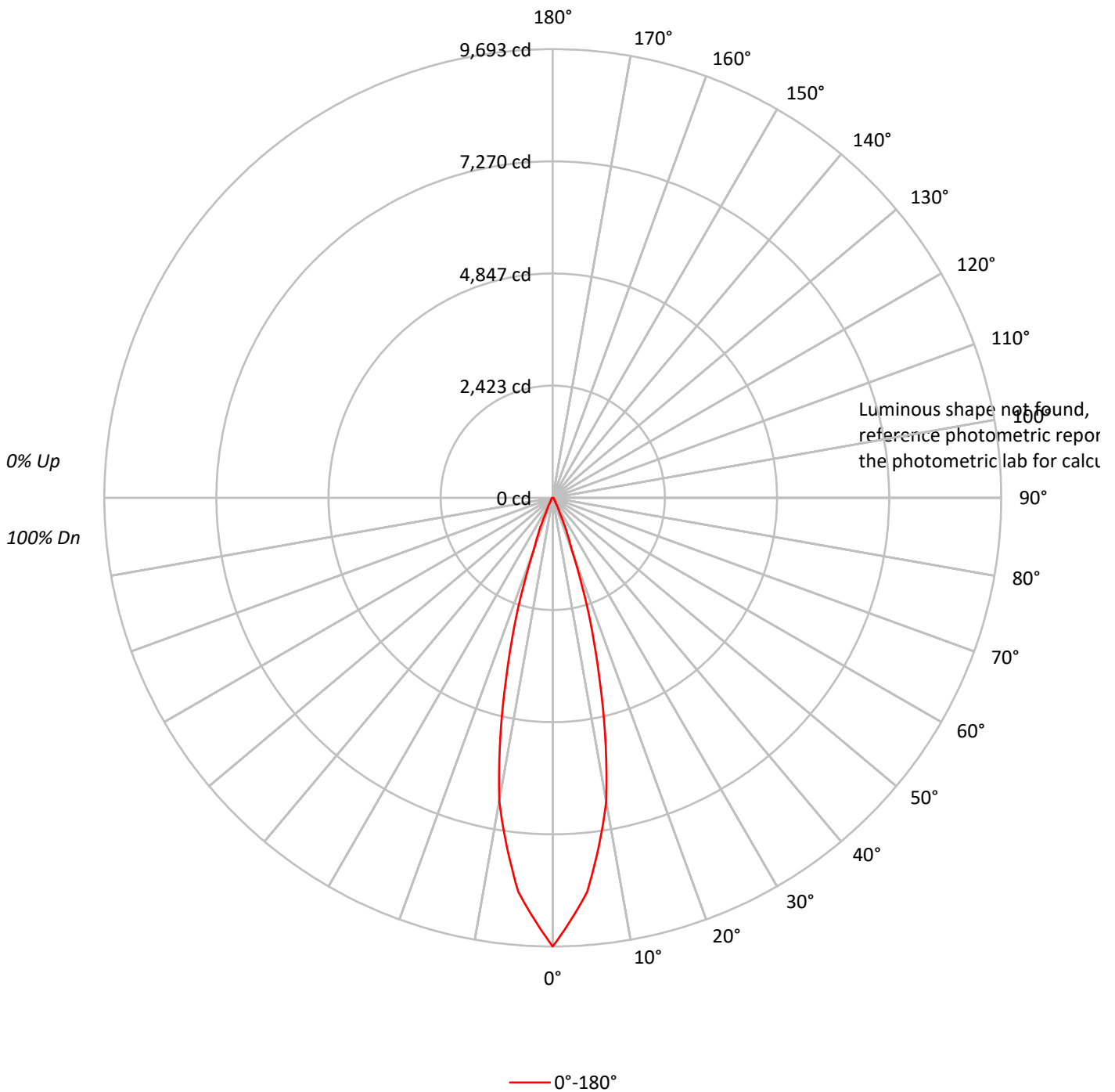
Lumens per Lamp: 3400 (1 lamp)
Luminaire Lumens: 2115.3 lumens
Efficiency: 62.2%
Efficacy: 54.2 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.43
Luminous Opening: (L: 0.54 ' x W: 0 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 39
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





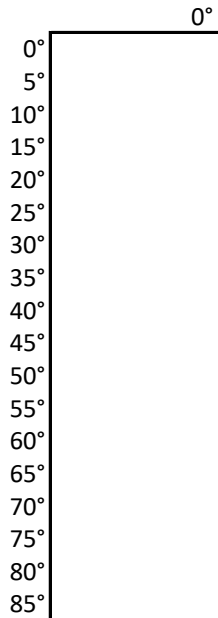
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	74	74	74	74	72	72	72	72	69	69	69		66	66	66		63	63	63	62
1	72	70	69	68	70	69	68	67	66	66	65		64	64	63		62	62	61	60
2	69	67	65	64	68	66	64	63	64	63	62		62	61	60		61	60	59	58
3	67	64	62	60	66	63	61	60	62	60	59		60	59	58		59	58	57	56
4	65	62	59	57	64	61	59	57	60	58	57		59	57	56		58	56	55	55
5	63	60	57	55	62	59	57	55	58	56	54		57	55	54		56	55	54	53
6	61	58	55	53	61	57	55	53	56	54	53		56	54	52		55	53	52	51
7	60	56	53	51	59	55	53	51	55	53	51		54	52	51		54	52	51	50
8	58	54	52	50	58	54	51	50	53	51	50		53	51	49		52	51	49	49
9	57	53	50	49	56	52	50	48	52	50	48		51	50	48		51	49	48	47
10	55	51	49	47	55	51	49	47	51	49	47		50	48	47		50	48	47	46

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	761.9	36.0	22.4
10°-20°	1024.5	48.4	30.1
20°-30°	220.1	10.4	6.5
30°-40°	52.1	2.5	1.5
40°-50°	33.1	1.6	1.0
50°-60°	16.7	0.8	0.5
60°-70°	5.7	0.3	0.2
70°-80°	1.3	0.1	0.0
80°-90°	0.0	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°	2006.5	94.9	59.0
0°-40°	2058.6	97.3	60.5
0°-60°	2108.3	99.7	62.0
0°-90°	2115.3	100.0	62.2
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°	2115.3	100.0	62.2

CANDELA DISTRIBUTION:

	0°	Flux
0°	9693	
5°	8543	762
15°	3750	1025
25°	342	220
35°	75	52
45°	43	33
55°	18	17
65°	5	6
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9693
5°	8543
10°	6661
15°	3750
20°	1188
25°	342
30°	129
35°	75
40°	57
45°	43
50°	29
55°	18
60°	10
65°	5
70°	3
75°	1
80°	0
85°	0
90°	0

(END OF REPORT)