

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: 11858.0

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-46-04
Report Number: 11858.0
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L5300 39ELP MEDIUM 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
CLEAR GLASS LENS FIXTURE AIMED AT NADIR
Light Source: -
CMH39/TCUVCU830G8
Ballast/Driver: -

Summary

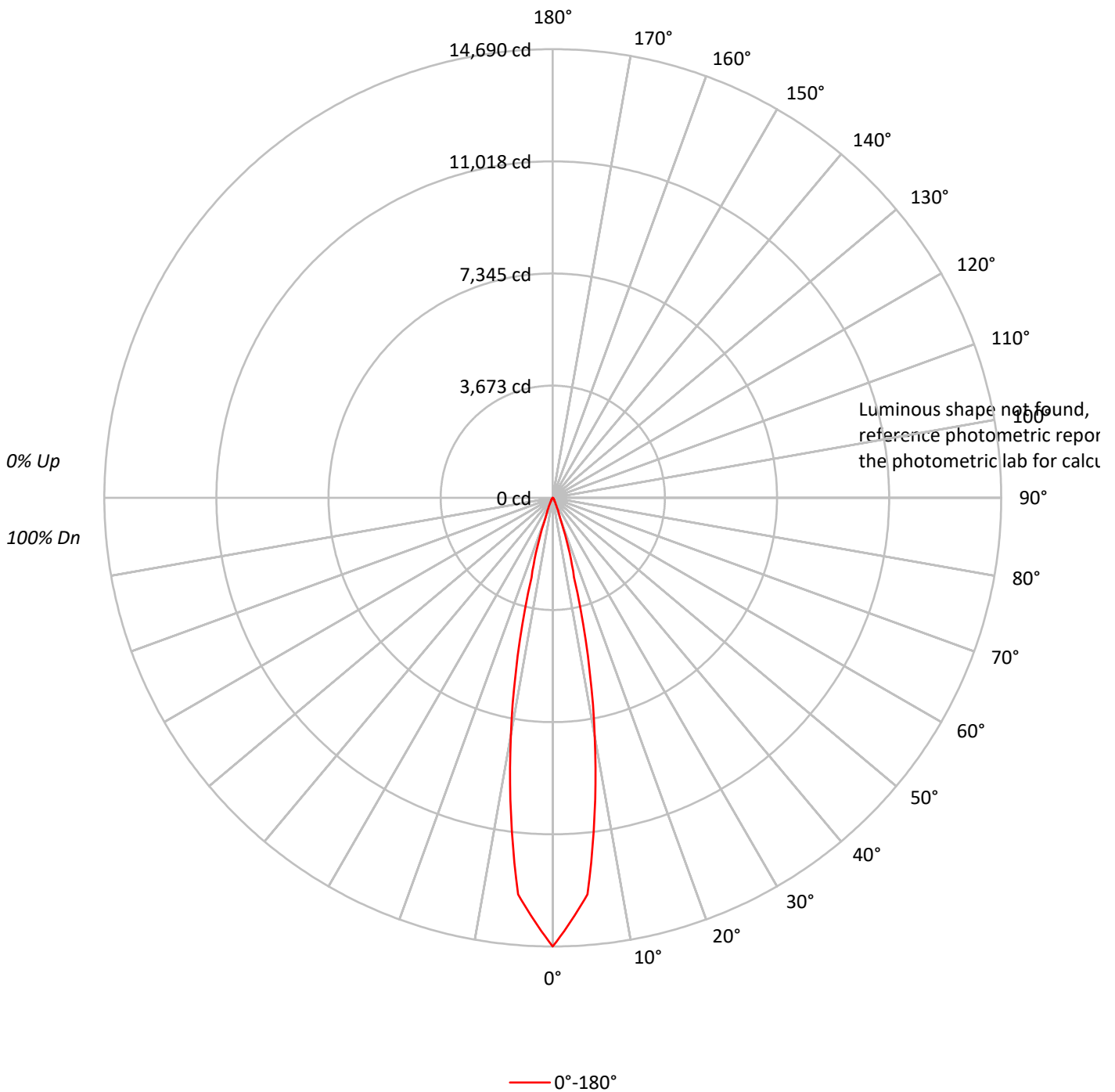
Lumens per Lamp: 3400 (1 lamp)
Luminaire Lumens: 2224.8 lumens
Efficiency: 65.4%
Efficacy: 57.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.35
Luminous Opening: (L: 0.55 ' x W: 0 ' x H: 0 '
CIE Type: Direct

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





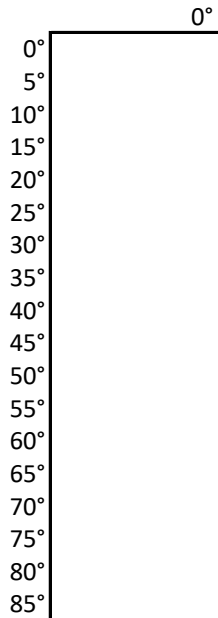
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	78	78	78	78	76	76	76	76	73	73	73		70	70	70		67	67	67	65
1	75	74	73	72	74	73	72	71	70	69	69		68	67	67		66	65	65	64
2	73	71	69	68	72	70	68	67	68	67	66		66	65	64		64	64	63	62
3	71	68	66	65	70	68	66	64	66	64	63		65	63	62		63	62	61	60
4	69	66	64	62	68	66	63	62	64	62	61		63	62	60		62	61	60	59
5	68	64	62	60	67	64	61	60	63	61	59		62	60	59		61	59	58	58
6	66	62	60	58	65	62	60	58	61	59	58		60	59	57		60	58	57	56
7	65	61	58	57	64	61	58	57	60	58	56		59	57	56		59	57	56	55
8	63	59	57	55	63	59	57	55	59	57	55		58	56	55		58	56	55	54
9	62	58	56	54	61	58	56	54	57	55	54		57	55	54		56	55	54	53
10	61	57	55	53	60	57	55	53	56	54	53		56	54	53		56	54	53	52

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	1081.2	48.6	31.8
10°-20°	907.6	40.8	26.7
20°-30°	138.5	6.2	4.1
30°-40°	45.1	2.0	1.3
40°-50°	29.4	1.3	0.9
50°-60°	14.5	0.7	0.4
60°-70°	6.2	0.3	0.2
70°-80°	2.1	0.1	0.1
80°-90°	0.3	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°	2127.3	95.6	62.6
0°-40°	2172.4	97.6	63.9
0°-60°	2216.3	99.6	65.2
0°-90°	2224.8	100.0	65.4
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°	2224.8	100.0	65.4

CANDELA DISTRIBUTION:

	0°	Flux
0°	14690	
5°	13030	###
15°	2689	908
25°	233	139
35°	66	45
45°	37	29
55°	15	14
65°	6	6
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14690
5°	13030
10°	7930
15°	2689
20°	681
25°	233
30°	104
35°	66
40°	54
45°	37
50°	25
55°	15
60°	10
65°	6
70°	3
75°	2
80°	1
85°	0
90°	0

(END OF REPORT)