

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO

Report Number: P13846

Luminaire Tested: **L806HOFL8030 / L807HOFL8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P13846
Test Lab: INNOVATION CENTER P-1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806HOFL8030 / L807HOFL8030
Description: HALO LED HIGH OUTPUT FLOOD TRACK FIXTURE WITH
HENGLI OPTIC, 10 OUTER LED SOURCES IN A CONCENTRIC
ARRANGEMENT, AND 5 INNER SOURCES IN A PENTAGON ARRANGEMENT,
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

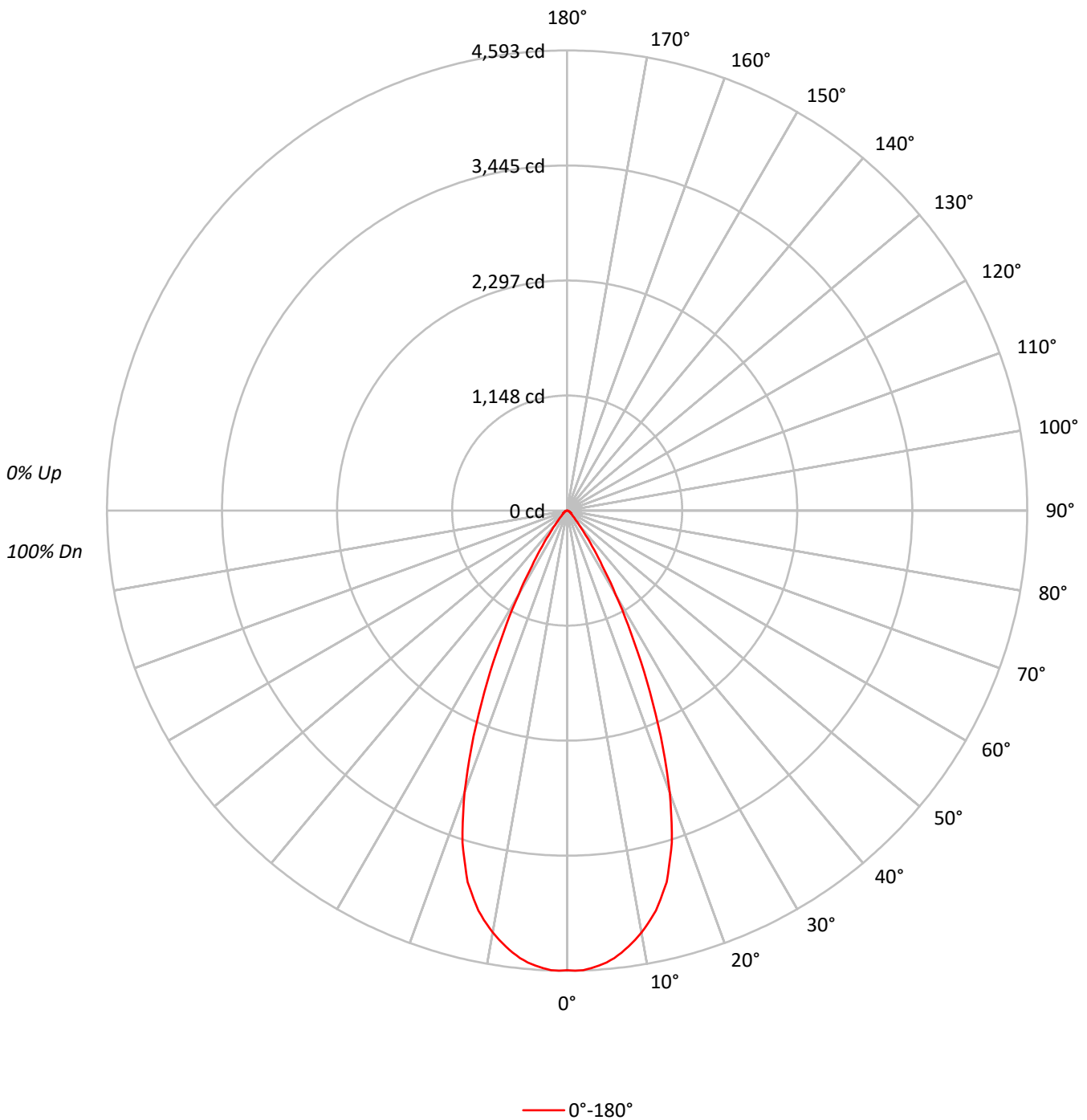
Lumens per Lamp: N/A
Luminaire Lumens: 2793.9 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.7
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 34.8
Input Voltage (V): NR
Input Current (Ain): 0.30259
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: 3 HR
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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	107	102	99	96	99	97	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	88		92	89	86		89	87	85	83
4	99	92	87	83	98	91	87	83	89	85	82		87	84	81		85	83	80	79
5	95	87	82	78	93	86	82	78	85	80	77		83	79	76		82	78	76	74
6	91	83	77	74	90	82	77	73	81	76	73		79	75	72		78	75	72	71
7	87	79	73	69	86	78	73	69	77	72	69		76	72	69		75	71	68	67
8	84	75	70	66	82	74	69	66	73	69	65		72	68	65		71	68	65	64
9	80	71	66	63	79	71	66	62	70	65	62		69	65	62		68	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	565786
5°	560519
10°	535562
15°	490100
20°	393260
25°	256134
30°	137870
35°	65200
40°	30110
45°	16572
50°	11897
55°	10322
60°	9128
65°	7880
70°	5770
75°	5242
80°	6393
85°	4246



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.0	15.2
10°-20°	1047.6	37.5
20°-30°	861.1	30.8
30°-40°	295.8	10.6
40°-50°	79.9	2.9
50°-60°	43.0	1.5
60°-70°	26.5	1.0
70°-80°	12.5	0.4
80°-90°	3.4	0.1
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°	2332.7	83.5
0°-40°	2628.5	94.1
0°-60°	2751.4	98.5
0°-90°	2793.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2793.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4587	
5°	4527	424
15°	3838	1048
25°	1882	861
35°	433	296
45°	95	80
55°	48	43
65°	27	27
75°	11	13
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4587
1°	4593
2°	4590
3°	4574
4°	4554
5°	4527
6°	4492
7°	4446
8°	4394
9°	4338
10°	4276
11°	4206
12.5°	4091
15°	3838
17.5°	3475
20°	2996
22.5°	2440
25°	1882
27.5°	1379
30°	968
32.5°	653
35°	433
37.5°	280
40°	187
42.5°	129
45°	95
47.5°	71
50°	62
52.5°	52
55°	48
57.5°	43
60°	37
62.5°	32
65°	27
67.5°	22
70°	16
72.5°	15
75°	11
77.5°	9
80°	9
82.5°	4
85°	3
87.5°	1
90°	0

(END OF REPORT)