

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: P257072

Luminaire Tested: **L806XHOSP8027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257072
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806XHOSP8027MB
Description: HALO LED EXTRA HIGH OUTPUT TRACK FIXTURE 06 WITH SPOT OPTIC, MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-5)
Light Source: (15) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

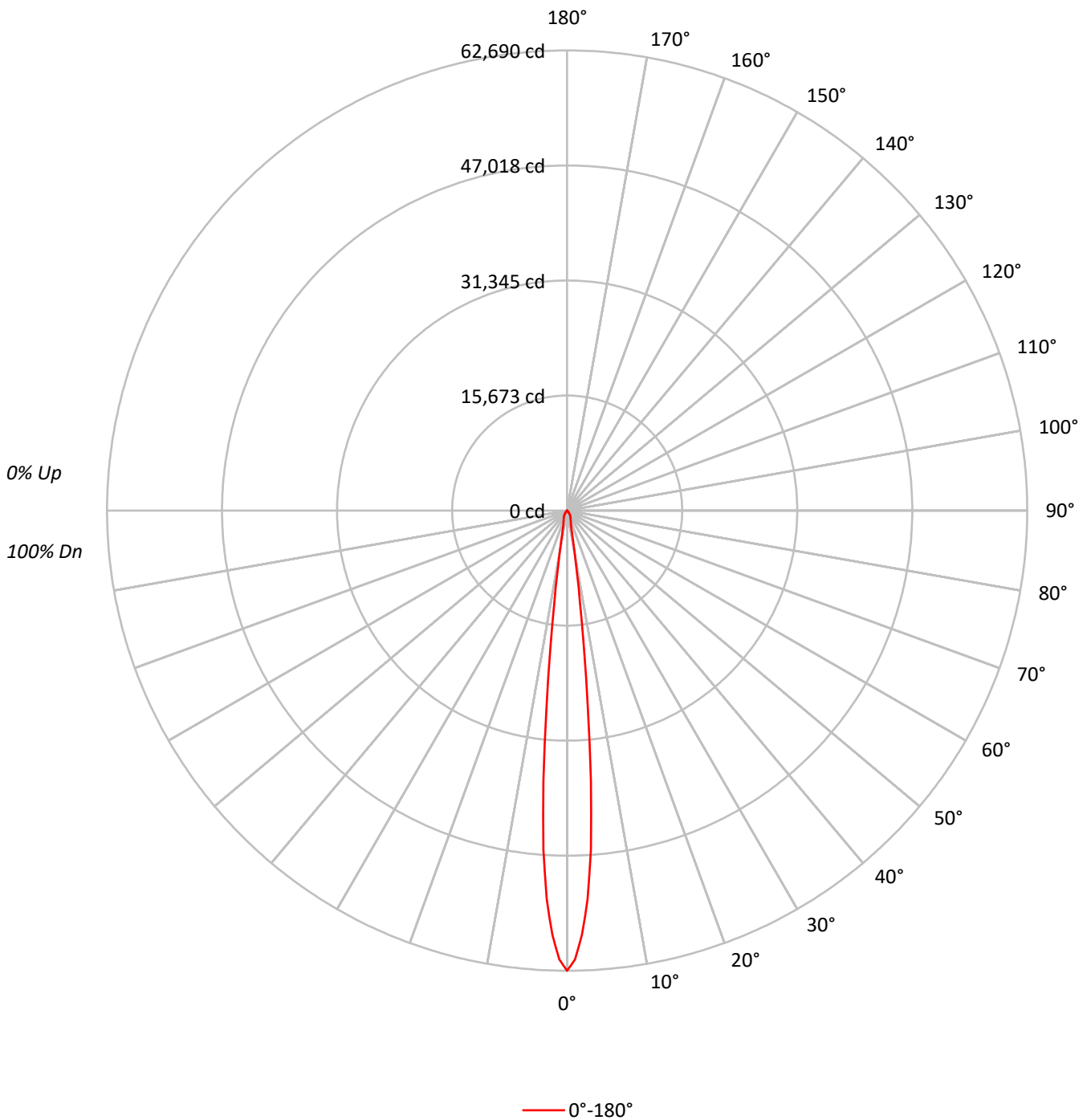
Lumens per Lamp: N/A
Luminaire Lumens: 4071.9 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Circular (Dia: 0.29' x H: 0')
CIE Type: Direct

Input Watts (W): 47.9
Input Voltage (V): 120
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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	111	109	113	111	109	107	107	105	104		103	102	101		100	99	98	97
2	111	107	104	102	109	106	103	101	103	101	99		100	98	97		97	96	95	93
3	108	103	99	96	106	102	98	96	99	96	94		97	95	93		95	93	91	90
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		93	90	89	87
5	102	96	92	89	100	95	91	88	93	90	88		92	89	87		90	88	86	85
6	99	93	89	86	98	92	88	86	91	87	85		90	87	84		88	86	84	83
7	96	90	86	83	95	90	86	83	89	85	83		88	85	82		87	84	82	81
8	94	88	84	81	93	87	84	81	87	83	81		86	83	81		85	82	80	79
9	92	86	82	79	91	85	82	79	85	81	79		84	81	79		83	81	79	78
10	90	84	80	78	90	84	80	78	83	80	78		82	79	77		82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	10099597
5°	5977788
10°	963703
15°	333073
20°	240878
25°	193401
30°	152728
35°	109546
40°	66036
45°	34403
50°	19549
55°	21908
60°	18366
65°	11436
70°	9892
75°	10582
80°	7422
85°	1848



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2325.9	57.1
10°-20°	653.0	16.0
20°-30°	498.4	12.2
30°-40°	347.9	8.5
40°-50°	128.4	3.2
50°-60°	61.0	1.5
60°-70°	35.0	0.9
70°-80°	15.9	0.4
80°-90°	6.3	0.2
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°	3477.4	85.4
0°-40°	3825.3	93.9
0°-60°	4014.7	98.6
0°-90°	4071.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4071.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	62690	
5°	36964	###
15°	1997	653
25°	1088	498
35°	557	348
45°	151	128
55°	78	61
65°	30	35
75°	17	16
85°	1	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	62690
1°	61161
2°	57822
3°	52987
4°	46332
5°	36964
6°	27037
7°	18480
8°	12534
9°	8416
10°	5891
11°	4273
12°	3286
13°	2649
14°	2254
15°	1997
17.5°	1684
20°	1405
22.5°	1207
25°	1088
27.5°	963
30°	821
32.5°	696
35°	557
37.5°	435
40°	314
42.5°	225
45°	151
47.5°	104
50°	78
52.5°	63
55°	78
57.5°	64
60°	57
62.5°	47
65°	30
67.5°	26
70°	21
72.5°	19
75°	17
77.5°	10
80°	8
82.5°	11
85°	1
87.5°	7



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CANDELA DISTRIBUTION (continued):

90° | ———— 0°
 0

(END OF REPORT)