

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: PORTFOLIO

Report Number: P250119

Luminaire Tested: **LD8B200D010 ER8B2009730 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250119
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B2009730 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14334.0 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

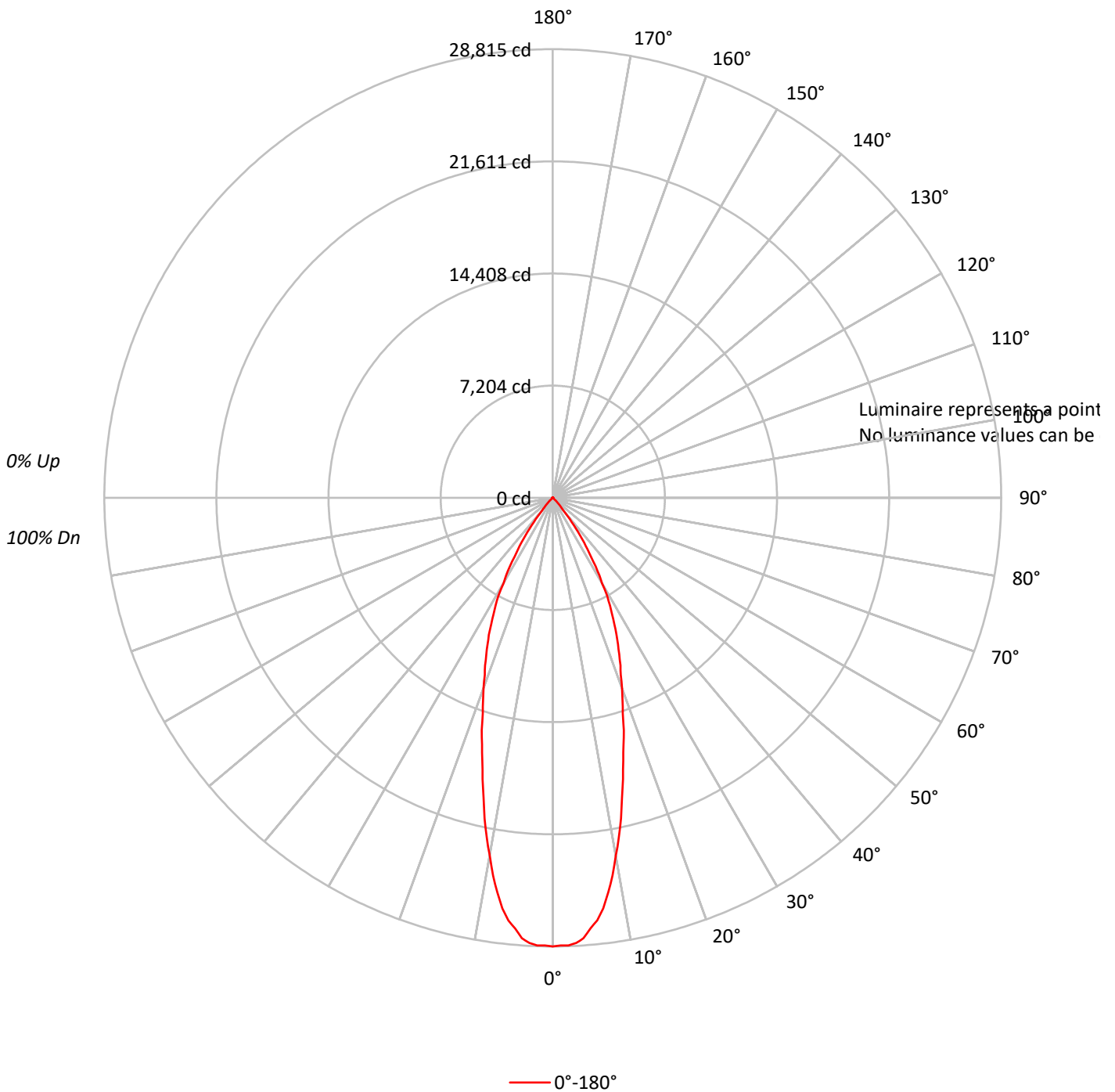
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89		92	90	87		90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83		88	85	82		86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78		84	81	78		83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74		80	76	74		79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70		77	73	70		76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67		73	69	66		72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63		70	66	63		69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2516.6	17.6
10°-20°	4876.5	34.0
20°-30°	4390.4	30.6
30°-40°	2172.2	15.2
40°-50°	330.4	2.3
50°-60°	13.6	0.1
60°-70°	17.5	0.1
70°-80°	6.6	0.0
80°-90°	10.3	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°	11783.5	82.2
0°-40°	13955.7	97.4
0°-60°	14299.7	99.8
0°-90°	14334.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14334.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	28815	
5°	27760	###
15°	17471	4877
25°	9708	4390
35°	3516	2172
45°	365	330
55°	5	14
65°	10	17
75°	10	7
85°	15	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	28814.8
1°	28754.8
2°	28769.7
3°	28624.6
4°	28359.7
5°	27759.5
6°	27299.3
7°	26569.1
8°	25588.8
9°	24568.3
10°	23337.8
11°	22237.5
12°	21057.2
13°	19751.7
14°	18626.3
15°	17470.9
16°	16485.5
17°	15615.3
18°	14544.9
19°	13759.6
20°	12989.5
21°	12189.1
22°	11603.9
23°	10923.7
24°	10298.4
25°	9708.2
26°	9013.0
27°	8387.9
28°	7827.6
29°	7212.4
30°	6327.1
31°	5827.0
32°	5196.7
33°	4506.5
34°	3981.3
35°	3516.1
37.5°	2225.6
40°	1005.4
42.5°	685.3
45°	365.1
47.5°	205.0
50°	5.0
52.5°	20.1
55°	5.0
57.5°	30.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	5.0
62.5°	25.1
65°	10.0
67.5°	25.1
70°	15.1
72.5°	5.0
75°	10.0
77.5°	0.0
80°	5.0
82.5°	20.1
85°	15.1
87.5°	0.0
90°	0.0

(END OF REPORT)