

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: P250035

Luminaire Tested: **LD8B200D010 ER8B2009730 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13951)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B2009730 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13610.1 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

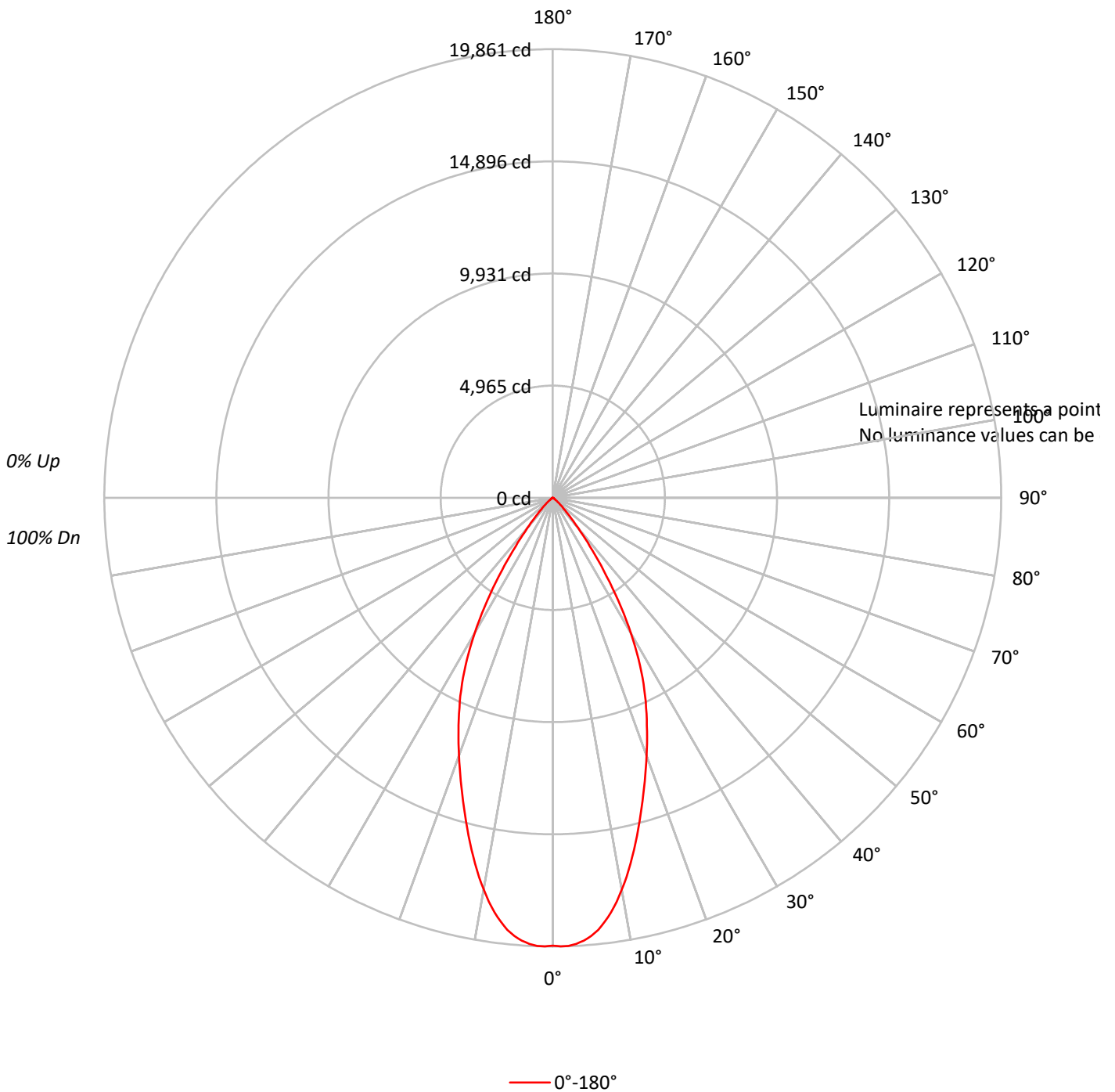
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	63	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1799.2	13.2
10°-20°	4128.0	30.3
20°-30°	4385.6	32.2
30°-40°	2502.2	18.4
40°-50°	620.4	4.6
50°-60°	122.0	0.9
60°-70°	36.8	0.3
70°-80°	8.8	0.1
80°-90°	7.1	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°	10312.8	75.8
0°-40°	12815.0	94.2
0°-60°	13557.4	99.6
0°-90°	13610.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13610.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19823	
5°	19473	###
15°	14831	4128
25°	9682	4386
35°	3912	2502
45°	701	620
55°	114	122
65°	28	37
75°	0	9
85°	10	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19823.3
1°	19861.3
2°	19847.0
3°	19776.0
4°	19652.9
5°	19472.8
6°	19236.1
7°	18909.1
8°	18534.9
9°	18094.5
10°	17611.2
11°	17099.8
12°	16550.2
13°	15991.3
14°	15418.1
15°	14830.7
16°	14276.6
17°	13717.7
18°	13191.8
19°	12656.7
20°	12149.8
22.5°	10894.5
25°	9681.9
27.5°	8379.4
30°	6939.4
32.5°	5395.1
35°	3912.5
37.5°	2695.2
40°	1743.2
42.5°	1103.8
45°	701.0
47.5°	459.6
50°	289.0
52.5°	175.4
55°	113.6
57.5°	90.1
60°	56.8
62.5°	52.0
65°	28.5
67.5°	28.5
70°	23.8
72.5°	14.3
75°	0.0
77.5°	4.8
80°	4.8



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	9.5
85°	9.5
87.5°	4.8
90°	0.0

(END OF REPORT)