

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: P249951

Luminaire Tested: **LD8B200D010 ER8B2009730 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B2009730 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15456.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

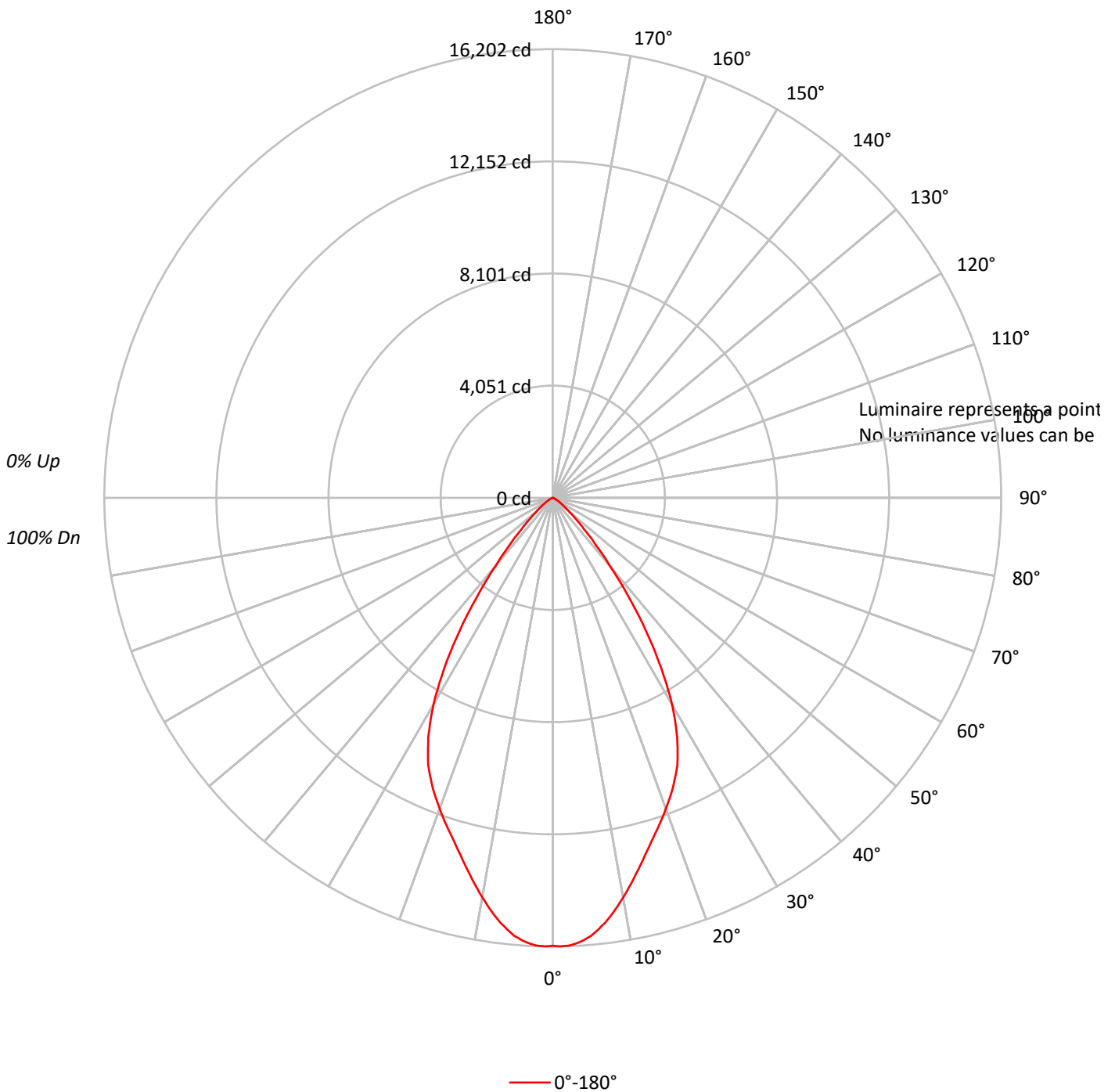
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93	93	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86	86	86
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79	79	79
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68	68	68
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58	58	58
8	77	67	61	57	76	67	61	56	65	60	56	64	60	56	63	59	56	54	54	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51	51	51
10	70	60	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48	48	48

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1474.8	9.5
10°-20°	3710.7	24.0
20°-30°	4817.3	31.2
30°-40°	3636.0	23.5
40°-50°	1330.4	8.6
50°-60°	371.9	2.4
60°-70°	97.8	0.6
70°-80°	16.4	0.1
80°-90°	0.7	0.0
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°	10002.8	64.7
0°-40°	13638.8	88.2
0°-60°	15341.2	99.3
0°-90°	15456.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15456.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16178	
5°	15879	###
15°	13189	3711
25°	10648	4817
35°	5871	3636
45°	1596	1330
55°	381	372
65°	92	98
75°	14	16
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16177.5
1°	16201.6
2°	16182.3
3°	16119.6
4°	16013.6
5°	15878.6
6°	15681.0
7°	15464.0
8°	15213.4
9°	14938.6
10°	14649.4
11°	14360.2
12°	14061.3
13°	13757.6
14°	13468.4
15°	13188.8
16°	12923.7
17°	12668.2
18°	12436.8
19°	12195.8
20°	11949.9
22.5°	11337.7
25°	10648.4
27.5°	9737.3
30°	8628.6
32.5°	7293.4
35°	5871.3
37.5°	4483.0
40°	3234.5
42.5°	2289.7
45°	1595.6
47.5°	1123.2
50°	756.8
52.5°	554.4
55°	380.8
57.5°	274.8
60°	183.2
62.5°	135.0
65°	91.6
67.5°	62.7
70°	33.7
72.5°	24.1
75°	14.5
77.5°	4.8
80°	4.8



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)