

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: P247867

Luminaire Tested: **LD8B200D010 ER8B200950 8LBMOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247867  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-90)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B200950 8LBM0LI  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20372.0 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

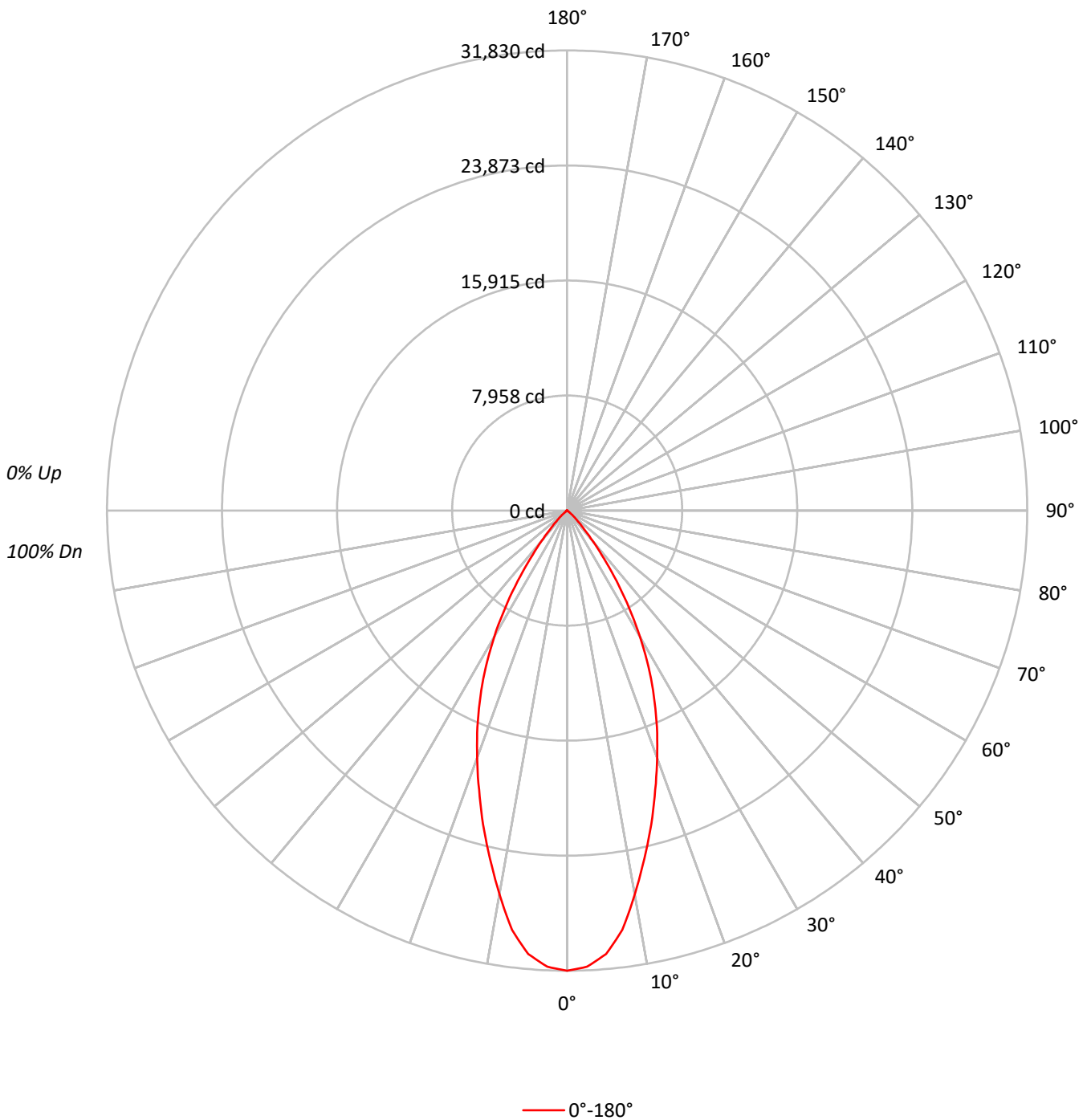
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	91	90	88
3	103	97	93	89	102	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	91	86	82	97	90	86	82	88	84	81		86	83	80		84	81	79	78
5	94	86	81	77	92	85	80	76	83	79	76		82	78	75		80	77	74	73
6	90	81	76	72	88	80	75	71	79	74	71		78	73	70		76	73	70	68
7	86	77	71	67	84	76	71	67	75	70	67		74	69	66		73	69	66	65
8	82	73	67	63	80	72	67	63	71	66	63		70	66	62		69	65	62	61
9	78	69	63	60	77	68	63	59	68	63	59		67	62	59		66	62	59	58
10	75	66	60	56	74	65	60	56	64	59	56		64	59	56		63	59	56	55

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	981526
5°	953365
10°	843730
15°	717146
20°	597104
25°	482894
30°	358884
35°	224013
40°	110312
45°	46666
50°	16896
55°	5209
60°	2800
65°	1167
70°	1217
75°	298
80°	444
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2816.9	13.8
10°-20°	6248.3	30.7
20°-30°	6454.6	31.7
30°-40°	3762.9	18.5
40°-50°	943.0	4.6
50°-60°	114.3	0.6
60°-70°	23.9	0.1
70°-80°	3.1	0.0
80°-90°	5.0	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°	15519.8	76.2
0°-40°	19282.8	94.7
0°-60°	20340.0	99.8
0°-90°	20372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20372.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	31830	
5°	30799	###
15°	22464	6248
25°	14193	6455
35°	5951	3763
45°	1070	943
55°	97	114
65°	16	24
75°	2	3
85°	0	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	31830.2
2.5°	31583.5
5°	30799.3
7.5°	29255.5
10°	26945.9
12.5°	24658.4
15°	22464.1
17.5°	20262.5
20°	18195.9
22.5°	16210.2
25°	14192.7
27.5°	12186.2
30°	10079.1
32.5°	8000.2
35°	5950.8
37.5°	4181.1
40°	2740.4
42.5°	1726.7
45°	1070.1
47.5°	652.9
50°	352.2
52.5°	171.8
55°	96.9
57.5°	52.8
60°	45.4
62.5°	31.9
65°	16.0
67.5°	19.6
70°	13.5
72.5°	0.0
75°	2.5
77.5°	1.2
80°	2.5
82.5°	3.7
85°	0.0
87.5°	13.5
90°	0.0

(END OF REPORT)