

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: P247984

Luminaire Tested: **LD8B200D010 ER8B200827 8LBW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247984  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-71)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B200827 8LBW0WMH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19785.0 lumens  
Efficiency: N/A  
Efficacy: 88.6 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

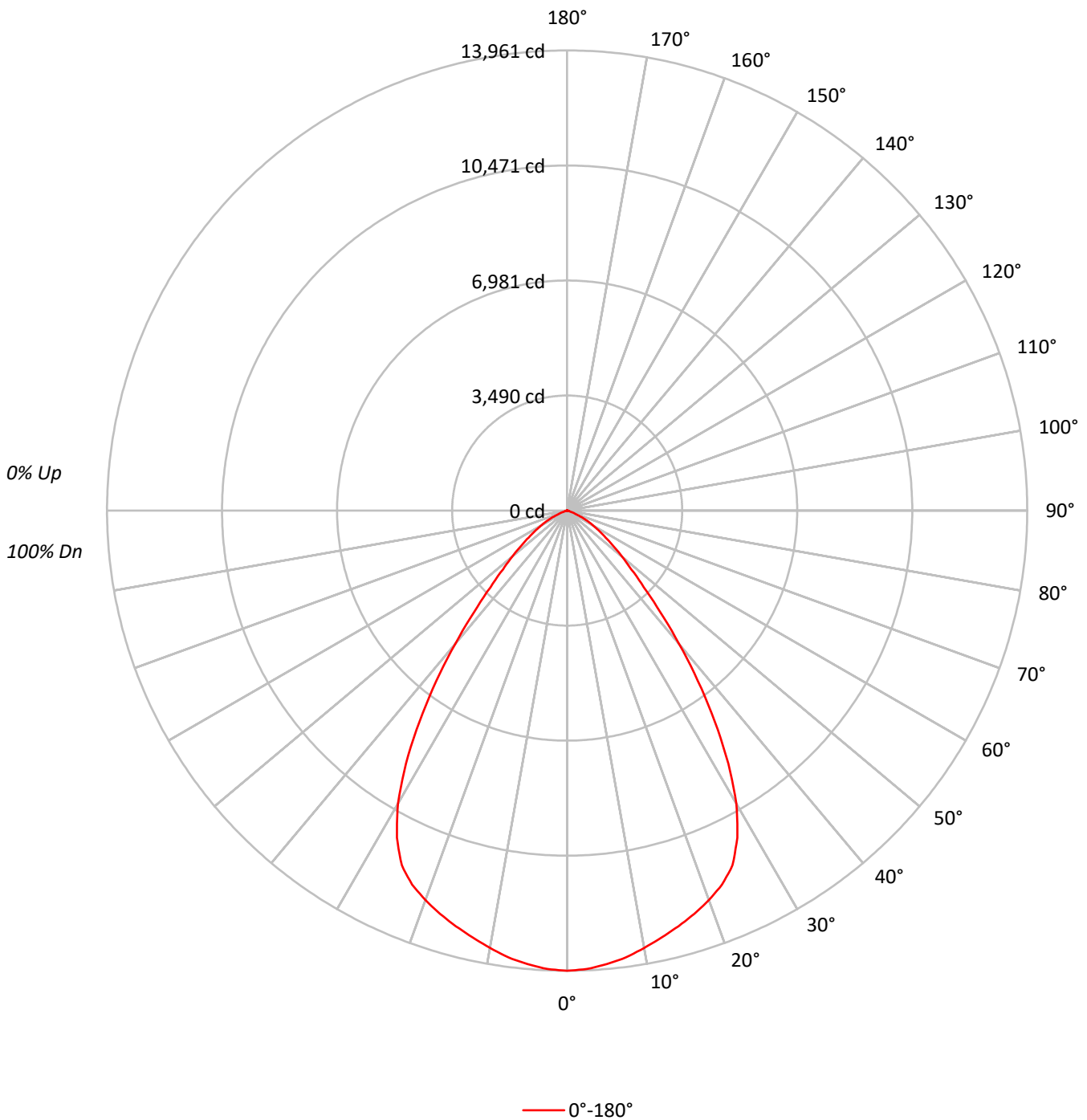
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47
9	68	57	50	46	67	56	50	46	55	49	45	54	49	45	54	49	45	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40

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

	0°
0°	430512
5°	427594
10°	421904
15°	416721
20°	412620
25°	403989
30°	365474
35°	293986
40°	212646
45°	143688
50°	104576
55°	76519
60°	56751
65°	37803
70°	16770
75°	7589
80°	5327
85°	6192



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1308.2	6.6
10°-20°	3684.3	18.6
20°-30°	5380.3	27.2
30°-40°	4838.8	24.5
40°-50°	2646.3	13.4
50°-60°	1312.0	6.6
60°-70°	518.1	2.6
70°-80°	83.5	0.4
80°-90°	13.6	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°	10372.8	52.4
0°-40°	15211.6	76.9
0°-60°	19169.8	96.9
0°-90°	19785.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19785.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13961	
5°	13814	###
15°	13054	3684
25°	11874	5380
35°	7810	4839
45°	3295	2646
55°	1423	1312
65°	518	518
75°	64	83
85°	18	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13961.2
2.5°	13922.5
5°	13813.8
7.5°	13672.7
10°	13474.2
12.5°	13263.2
15°	13053.5
17.5°	12828.7
20°	12574.0
22.5°	12283.1
25°	11873.6
27.5°	11184.4
30°	10264.2
32.5°	9104.3
35°	7809.6
37.5°	6517.4
40°	5282.6
42.5°	4170.1
45°	3294.9
47.5°	2640.7
50°	2179.9
52.5°	1774.2
55°	1423.3
57.5°	1149.9
60°	920.2
62.5°	727.9
65°	518.1
67.5°	308.4
70°	186.0
72.5°	104.9
75°	63.7
77.5°	41.2
80°	30.0
82.5°	10.0
85°	17.5
87.5°	7.5
90°	0.0

(END OF REPORT)