

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: P248008

Luminaire Tested: **LD8B200D010 ER8B200940 8LBW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248008  
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 ER8B200940 8LBW0WMH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 4000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18784.0 lumens  
Efficiency: N/A  
Efficacy: 84.1 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

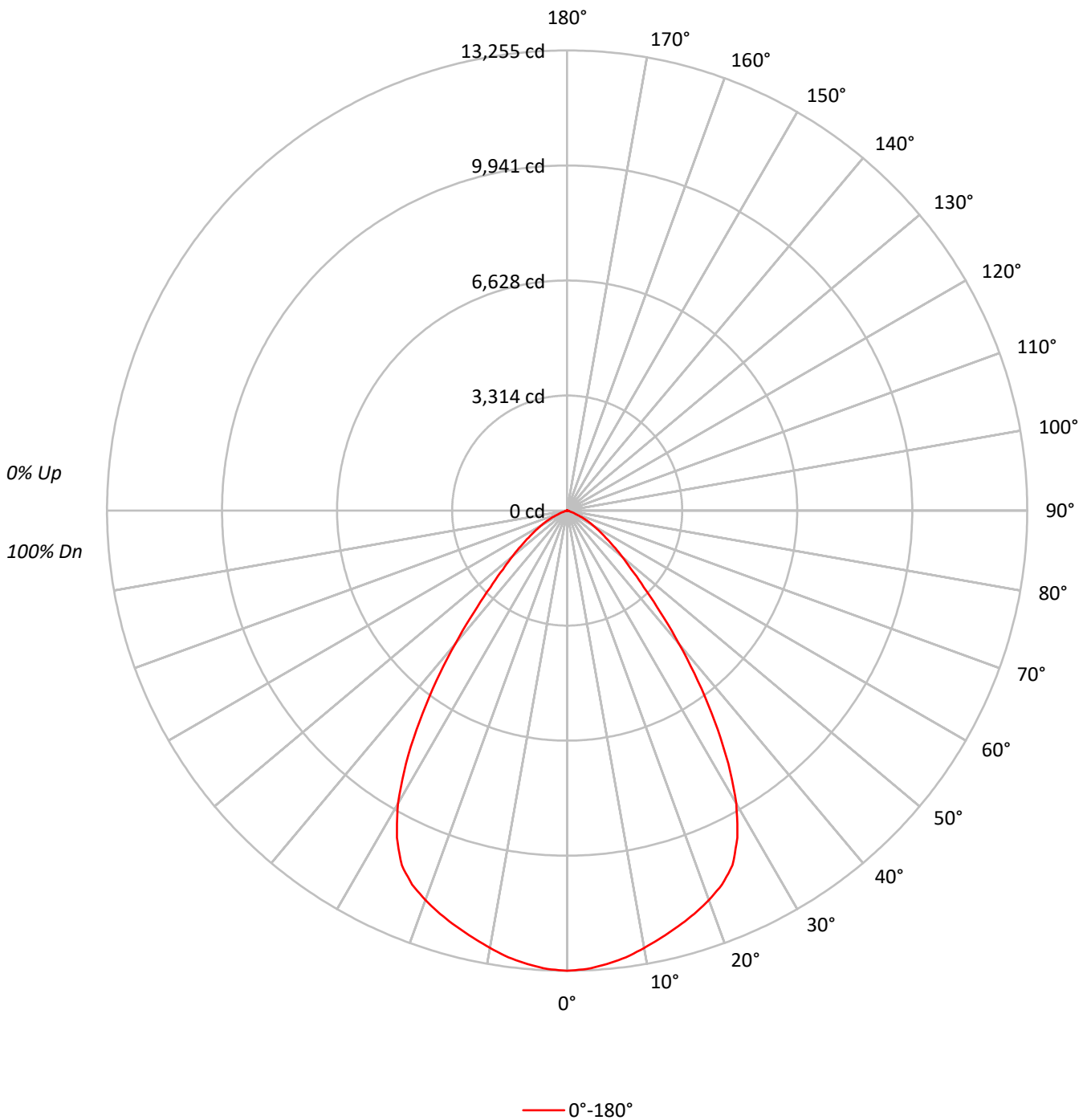
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	408729
5°	405960
10°	400559
15°	395635
20°	391746
25°	383550
30°	346984
35°	279113
40°	201886
45°	136418
50°	99289
55°	72648
60°	53877
65°	35891
70°	15922
75°	7208
80°	5043
85°	5873



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1242.0	6.6
10°-20°	3497.9	18.6
20°-30°	5108.1	27.2
30°-40°	4594.0	24.5
40°-50°	2512.4	13.4
50°-60°	1245.6	6.6
60°-70°	491.9	2.6
70°-80°	79.3	0.4
80°-90°	12.9	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°	9848.0	52.4
0°-40°	14442.0	76.9
0°-60°	18200.0	96.9
0°-90°	18784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18784.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13255	
5°	13115	###
15°	12393	3498
25°	11273	5108
35°	7414	4594
45°	3128	2512
55°	1351	1246
65°	492	492
75°	60	79
85°	17	13
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13254.8
2.5°	13218.1
5°	13114.9
7.5°	12981.0
10°	12792.5
12.5°	12592.2
15°	12393.0
17.5°	12179.7
20°	11937.9
22.5°	11661.7
25°	11272.9
27.5°	10618.5
30°	9744.9
32.5°	8643.7
35°	7414.5
37.5°	6187.6
40°	5015.3
42.5°	3959.1
45°	3128.2
47.5°	2507.1
50°	2069.7
52.5°	1684.4
55°	1351.3
57.5°	1091.7
60°	873.6
62.5°	691.1
65°	491.9
67.5°	292.8
70°	176.6
72.5°	99.6
75°	60.5
77.5°	39.1
80°	28.4
82.5°	9.5
85°	16.6
87.5°	7.1
90°	0.0

(END OF REPORT)