

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: P249937

Luminaire Tested: **LD8B200D010 ER8B200950 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249937  
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 ER8B200950 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19348.0 lumens  
Efficiency: N/A  
Efficacy: 86.6 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

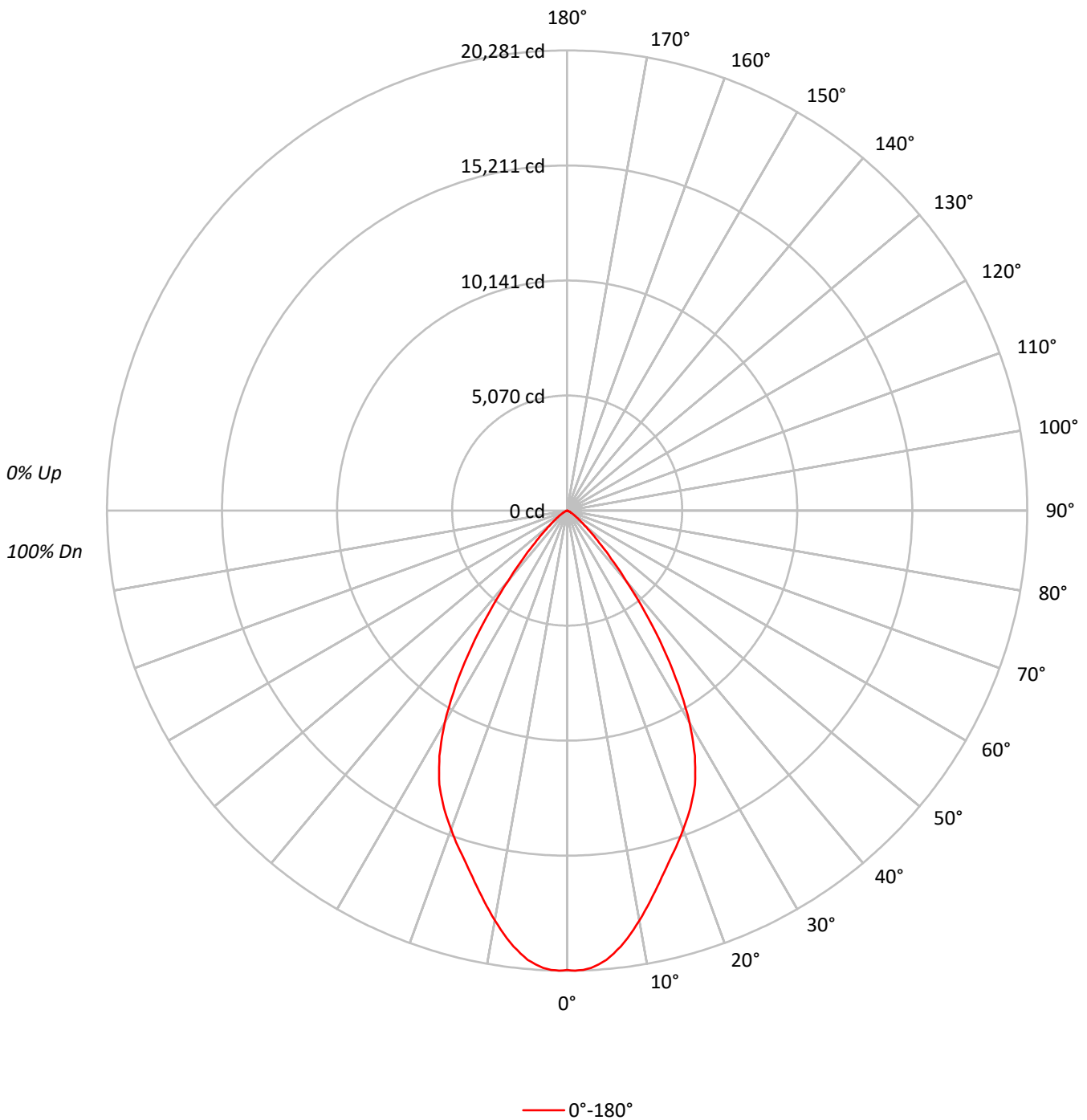
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	624472
5°	615275
10°	574209
15°	527064
20°	490888
25°	453535
30°	384602
35°	276677
40°	162988
45°	87105
50°	45449
55°	25628
60°	14142
65°	8369
70°	3805
75°	2156
80°	1065
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1846.2	9.5
10°-20°	4645.1	24.0
20°-30°	6030.3	31.2
30°-40°	4551.6	23.5
40°-50°	1665.5	8.6
50°-60°	465.6	2.4
60°-70°	122.4	0.6
70°-80°	20.6	0.1
80°-90°	0.8	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°	12521.6	64.7
0°-40°	17073.2	88.2
0°-60°	19204.2	99.3
0°-90°	19348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19348.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	20251	
5°	19877	###
15°	16510	4645
25°	13330	6030
35°	7350	4552
45°	1997	1665
55°	477	466
65°	115	122
75°	18	21
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	20251.2
1°	20281.3
2°	20257.2
3°	20178.7
4°	20046.0
5°	19877.0
6°	19629.6
7°	19358.1
8°	19044.3
9°	18700.3
10°	18338.3
11°	17976.2
12°	17602.1
13°	17221.9
14°	16859.9
15°	16509.9
16°	16178.0
17°	15858.2
18°	15568.5
19°	15266.8
20°	14959.1
22.5°	14192.7
25°	13329.8
27.5°	12189.3
30°	10801.4
32.5°	9129.9
35°	7349.8
37.5°	5611.9
40°	4049.0
42.5°	2866.3
45°	1997.4
47.5°	1406.0
50°	947.4
52.5°	693.9
55°	476.7
57.5°	344.0
60°	229.3
62.5°	169.0
65°	114.7
67.5°	78.4
70°	42.2
72.5°	30.2
75°	18.1
77.5°	6.0
80°	6.0



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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)