

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: P249624

Luminaire Tested: **LD8B200D010 ER8B200827 8LBS0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249624  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-95)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B200827 8LBS0GPH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 2700 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20170.0 lumens  
Efficiency: N/A  
Efficacy: 90.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.22  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

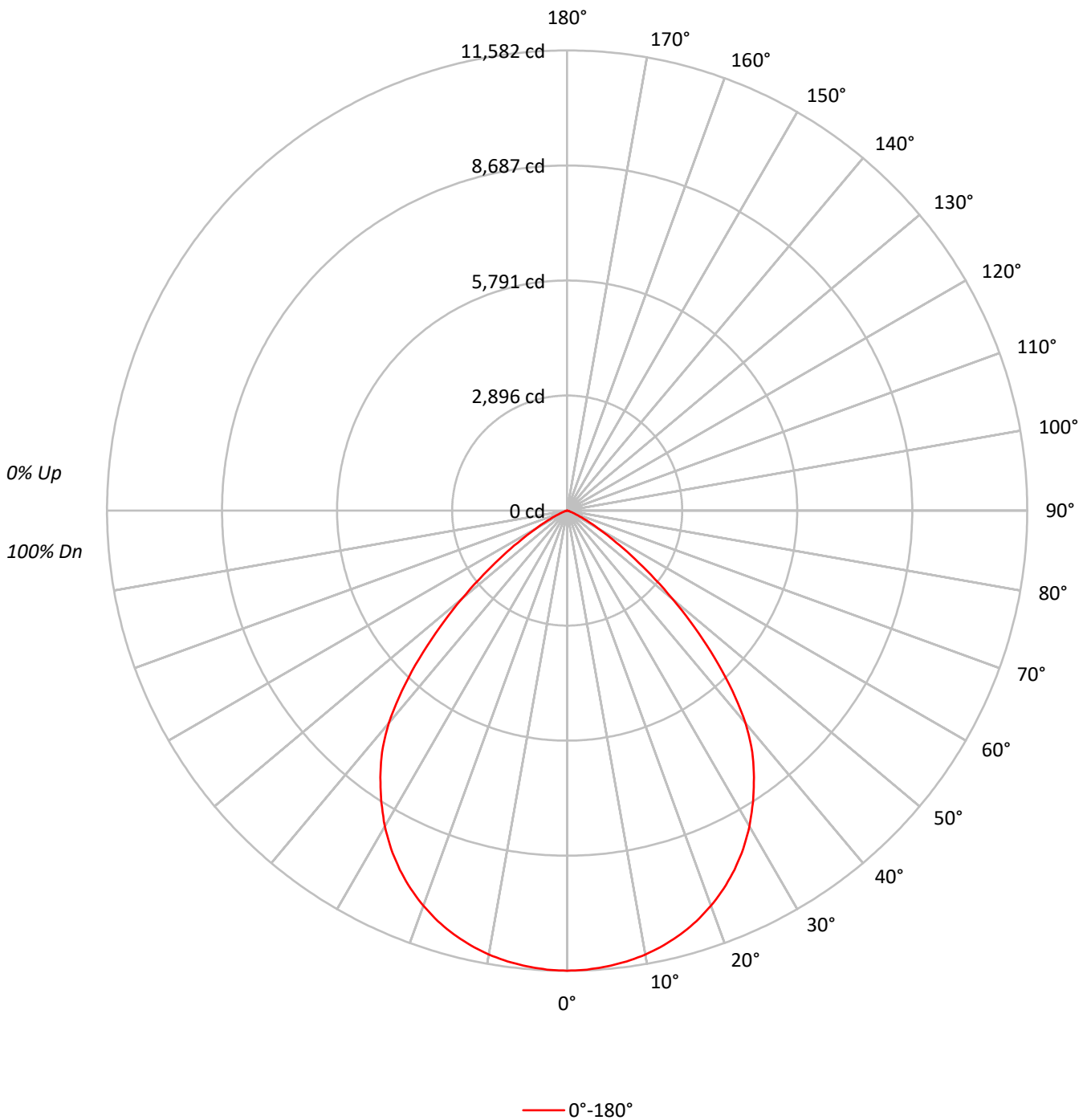
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	66	65
5	85	75	67	62	83	73	67	62	72	66	61	70	64	60	68	63	60	58
6	79	68	61	56	78	67	60	55	66	59	55	64	59	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	69	58	51	45	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36

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

	0°
0°	357159
5°	356551
10°	355279
15°	352458
20°	347344
25°	339322
30°	326877
35°	308641
40°	281339
45°	229545
50°	166087
55°	104846
60°	56289
65°	25509
70°	8664
75°	4313
80°	2877
85°	1309



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1094.1	5.4
10°-20°	3110.7	15.4
20°-30°	4580.9	22.7
30°-40°	5100.4	25.3
40°-50°	4028.3	20.0
50°-60°	1806.0	9.0
60°-70°	398.7	2.0
70°-80°	44.9	0.2
80°-90°	5.9	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°	8785.7	43.6
0°-40°	13886.2	68.8
0°-60°	19720.5	97.8
0°-90°	20170.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20170.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11582	
5°	11519	###
15°	11040	3111
25°	9973	4581
35°	8199	5100
45°	5264	4028
55°	1950	1806
65°	350	399
75°	36	45
85°	4	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11582.4
2.5°	11564.9
5°	11518.7
7.5°	11447.5
10°	11346.4
12.5°	11210.3
15°	11040.5
17.5°	10833.3
20°	10584.8
22.5°	10298.9
25°	9973.0
27.5°	9597.2
30°	9180.2
32.5°	8702.1
35°	8198.9
37.5°	7658.3
40°	6989.1
42.5°	6161.4
45°	5263.7
47.5°	4349.8
50°	3462.1
52.5°	2650.6
55°	1950.2
57.5°	1362.1
60°	912.7
62.5°	578.1
65°	349.6
67.5°	194.8
70°	96.1
72.5°	52.4
75°	36.2
77.5°	26.2
80°	16.2
82.5°	8.7
85°	3.7
87.5°	1.2
90°	0.0

(END OF REPORT)