

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: P247990

Luminaire Tested: **LD8B200D010 ER8B200835 8LBW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247990  
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 ER8B200835 8LBW0WMH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3500 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21090.0 lumens  
Efficiency: N/A  
Efficacy: 94.4 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

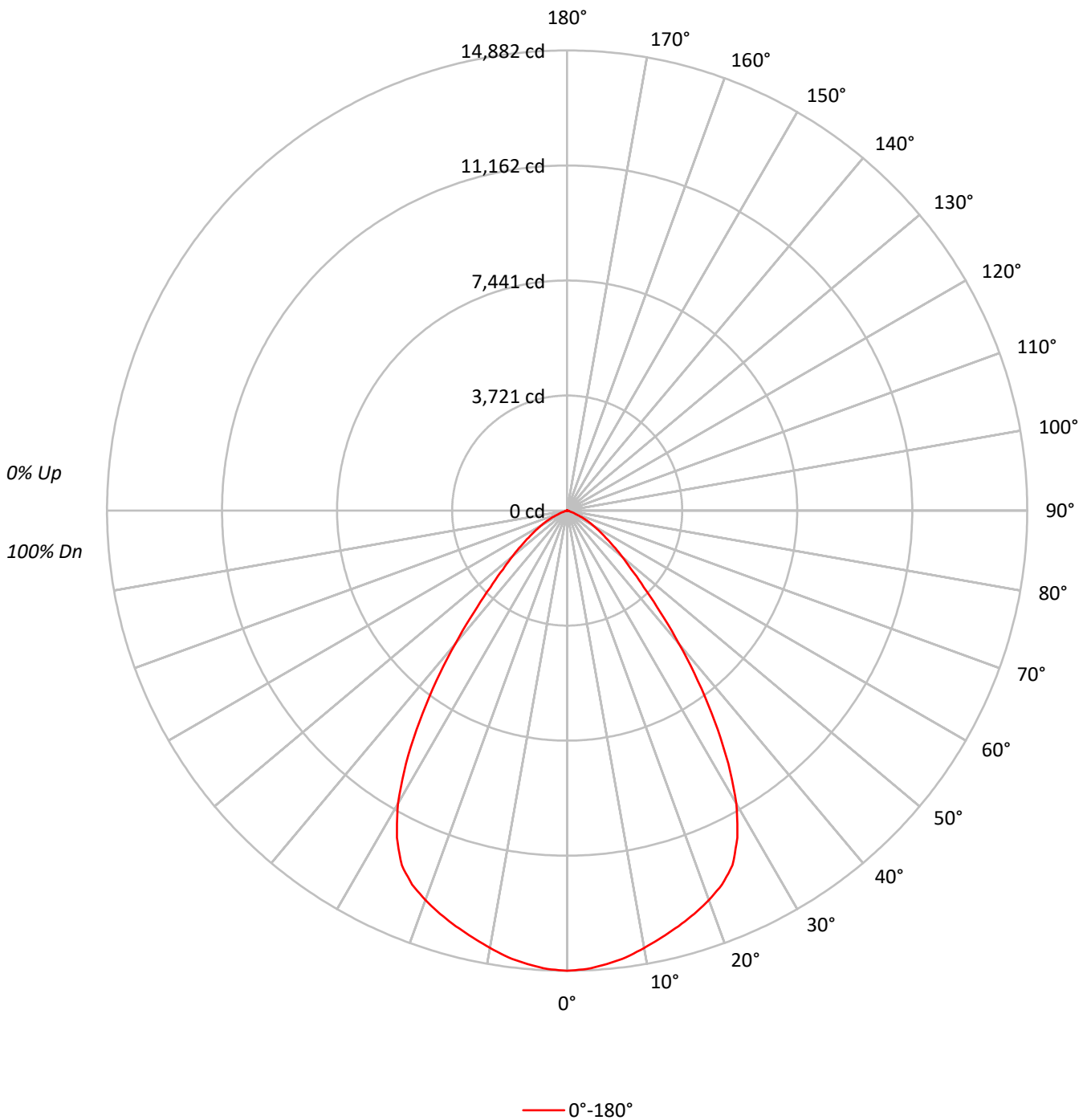
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	458906
5°	455799
10°	449734
15°	444208
20°	439837
25°	430636
30°	389584
35°	313377
40°	226670
45°	153164
50°	111474
55°	81567
60°	60495
65°	40299
70°	17879
75°	8090
80°	5665
85°	6581



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1394.5	6.6
10°-20°	3927.3	18.6
20°-30°	5735.2	27.2
30°-40°	5158.0	24.5
40°-50°	2820.8	13.4
50°-60°	1398.5	6.6
60°-70°	552.2	2.6
70°-80°	89.0	0.4
80°-90°	14.5	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°	11057.0	52.4
0°-40°	16214.9	76.9
0°-60°	20434.3	96.9
0°-90°	21090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21090.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14882	
5°	14725	###
15°	13914	3927
25°	12657	5735
35°	8325	5158
45°	3512	2821
55°	1517	1399
65°	552	552
75°	68	89
85°	19	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14882.0
2.5°	14840.8
5°	14725.0
7.5°	14574.6
10°	14363.0
12.5°	14138.1
15°	13914.5
17.5°	13674.9
20°	13403.4
22.5°	13093.3
25°	12656.8
27.5°	11922.1
30°	10941.3
32.5°	9704.9
35°	8324.7
37.5°	6947.3
40°	5631.0
42.5°	4445.2
45°	3512.2
47.5°	2814.8
50°	2323.7
52.5°	1891.2
55°	1517.2
57.5°	1225.8
60°	980.9
62.5°	775.9
65°	552.3
67.5°	328.7
70°	198.3
72.5°	111.8
75°	67.9
77.5°	43.9
80°	31.9
82.5°	10.6
85°	18.6
87.5°	8.0
90°	0.0

(END OF REPORT)