

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: P246547

Luminaire Tested: **LSR8B15D010 EC8B15835 8LBW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246547  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B15D010 EC8B15835 8LBW0MW  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1566.0 lumens  
Efficiency: N/A  
Efficacy: 108.7 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

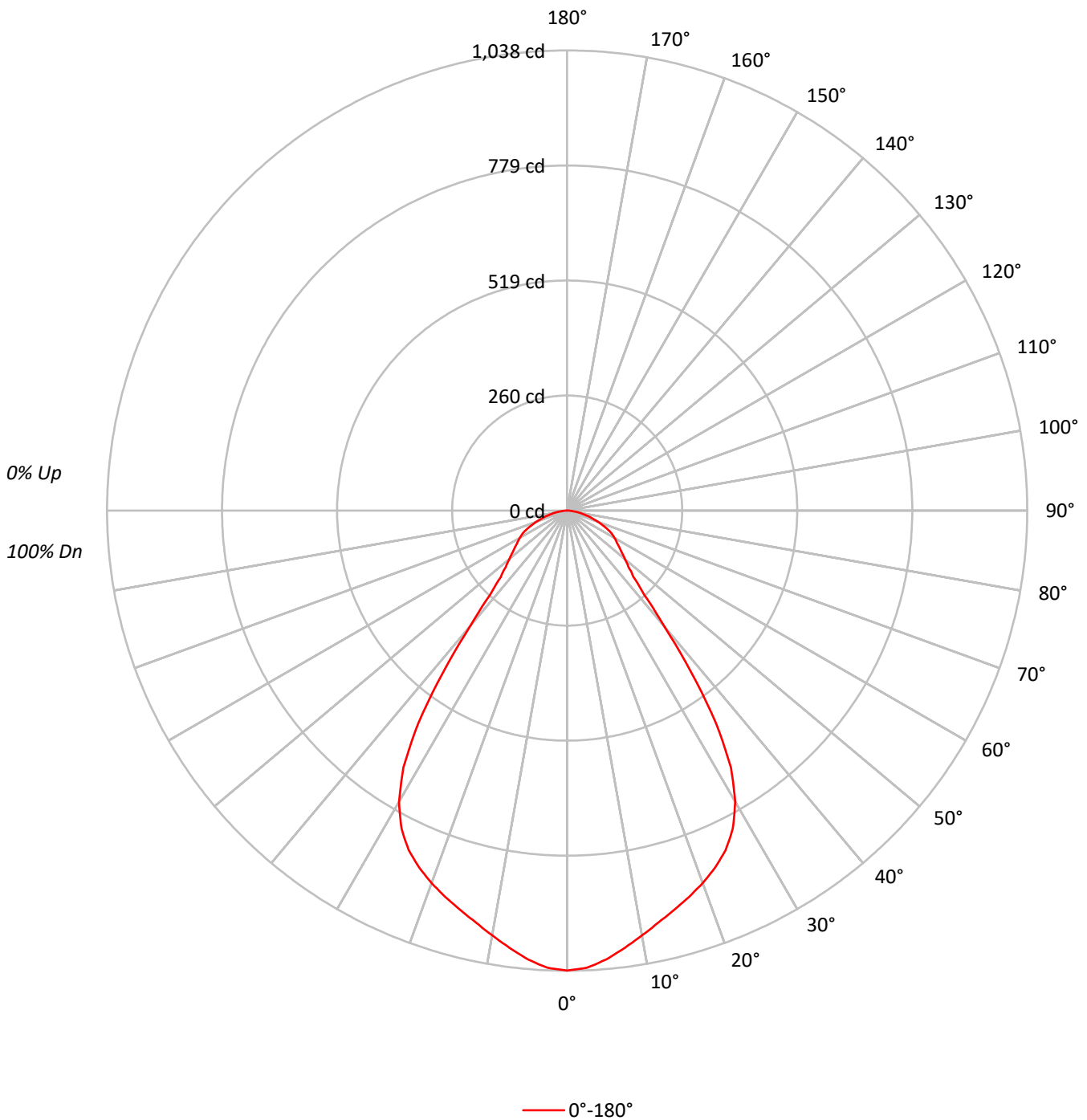
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

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

	0°
0°	31996
5°	31456
10°	30467
15°	29763
20°	29337
25°	28764
30°	27004
35°	22044
40°	13654
45°	9249
50°	8151
55°	7688
60°	7629
65°	7391
70°	6627
75°	5743
80°	4848
85°	3856



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.6	6.1
10°-20°	263.3	16.8
20°-30°	386.1	24.7
30°-40°	353.0	22.5
40°-50°	174.7	11.2
50°-60°	129.2	8.3
60°-70°	99.3	6.3
70°-80°	51.8	3.3
80°-90°	12.9	0.8
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°	745.1	47.6
0°-40°	1098.0	70.1
0°-60°	1402.0	89.5
0°-90°	1566.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1566.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1038	
5°	1016	96
15°	932	263
25°	845	386
35°	586	353
45°	212	175
55°	143	129
65°	101	99
75°	48	52
85°	11	13
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1037.6
2.5°	1032.1
5°	1016.2
7.5°	994.9
10°	973.0
12.5°	951.7
15°	932.3
17.5°	913.9
20°	894.0
22.5°	871.7
25°	845.4
27.5°	809.1
30°	758.4
32.5°	687.4
35°	585.6
37.5°	459.4
40°	339.2
42.5°	256.8
45°	212.1
47.5°	187.7
50°	169.9
52.5°	155.5
55°	143.0
57.5°	132.6
60°	123.7
62.5°	114.2
65°	101.3
67.5°	87.4
70°	73.5
72.5°	60.6
75°	48.2
77.5°	37.3
80°	27.3
82.5°	18.9
85°	10.9
87.5°	4.0
90°	0.0

(END OF REPORT)