

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: P244401

Luminaire Tested: **LSR8B30D010 EC8B30850 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244401  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B30D010 EC8B30850 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3087.9 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

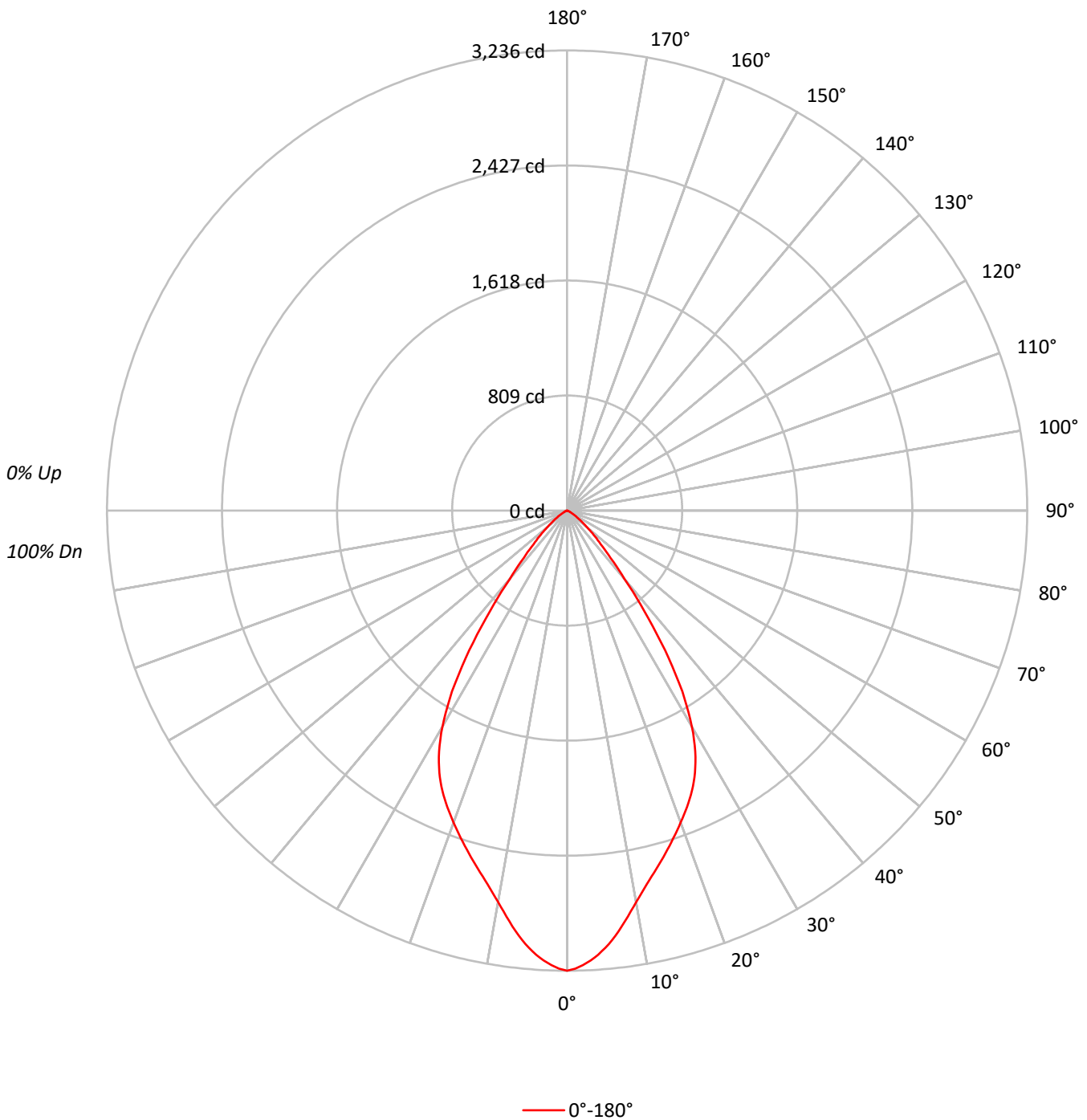
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48	57	52	48	56	51	48	47

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

	0°
0°	99780
5°	95549
10°	87552
15°	81467
20°	76624
25°	71689
30°	62522
35°	45184
40°	25332
45°	14574
50°	8918
55°	5075
60°	2640
65°	1343
70°	730
75°	441
80°	266
85°	248



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	285.0	9.2
10°-20°	717.4	23.2
20°-30°	957.2	31.0
30°-40°	737.8	23.9
40°-50°	275.1	8.9
50°-60°	90.0	2.9
60°-70°	20.7	0.7
70°-80°	4.2	0.1
80°-90°	0.6	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°	1959.6	63.5
0°-40°	2697.4	87.4
0°-60°	3062.5	99.2
0°-90°	3087.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3087.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3236	
5°	3087	285
15°	2552	717
25°	2107	957
35°	1200	738
45°	334	275
55°	94	90
65°	18	21
75°	4	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3235.8
1°	3221.8
2°	3198.2
3°	3167.9
4°	3131.1
5°	3086.8
6°	3036.6
7°	2979.1
8°	2917.8
9°	2854.4
10°	2796.1
11°	2740.0
12°	2687.7
13°	2639.7
14°	2595.4
15°	2551.9
16°	2507.6
17°	2464.9
18°	2420.6
19°	2377.1
20°	2335.0
21°	2291.5
22°	2249.4
23°	2205.2
24°	2158.7
25°	2107.0
26°	2050.2
27°	1987.5
28°	1918.2
29°	1840.7
30°	1755.9
32.5°	1507.2
35°	1200.3
37.5°	889.0
40°	629.3
42.5°	450.8
45°	334.2
47.5°	251.6
50°	185.9
52.5°	132.8
55°	94.4
57.5°	64.9
60°	42.8
62.5°	28.0
65°	18.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	12.5
70°	8.1
72.5°	5.2
75°	3.7
77.5°	2.2
80°	1.5
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)