

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: P244395

Luminaire Tested: **LSR8B30D010 EC8B30840 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244395  
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 EC8B30840 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3029.0 lumens  
Efficiency: N/A  
Efficacy: 111.8 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

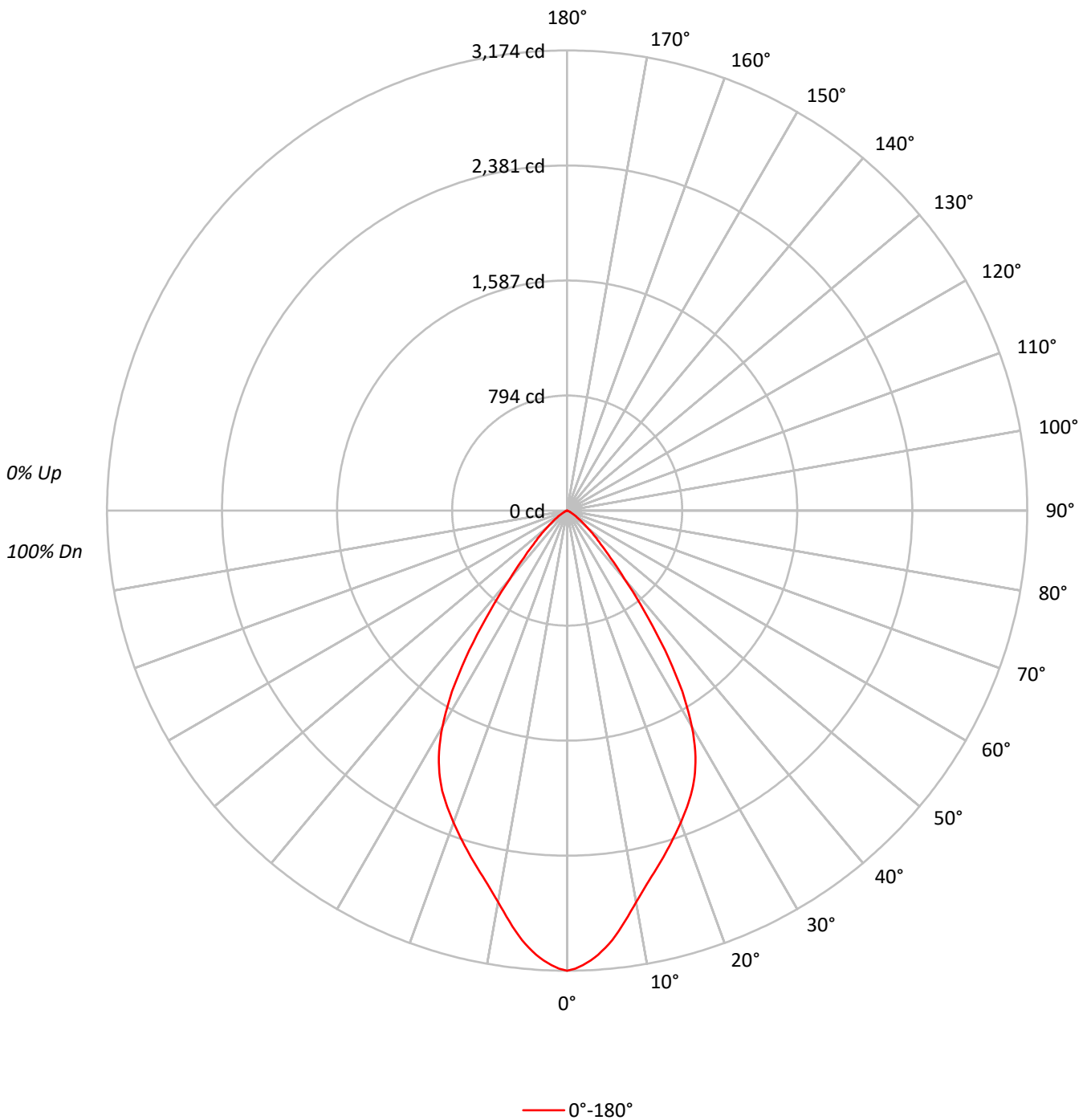
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	97874
5°	93723
10°	85879
15°	79912
20°	75160
25°	70321
30°	61325
35°	44322
40°	24849
45°	14295
50°	8750
55°	4978
60°	2590
65°	1321
70°	721
75°	429
80°	249
85°	248



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	279.6	9.2
10°-20°	703.7	23.2
20°-30°	938.9	31.0
30°-40°	723.7	23.9
40°-50°	269.9	8.9
50°-60°	88.3	2.9
60°-70°	20.4	0.7
70°-80°	4.1	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°	1922.2	63.5
0°-40°	2645.9	87.4
0°-60°	3004.0	99.2
0°-90°	3029.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3029.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3174	
5°	3028	280
15°	2503	704
25°	2067	939
35°	1177	724
45°	328	270
55°	93	88
65°	18	20
75°	4	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3174.0
1°	3160.2
2°	3137.1
3°	3107.4
4°	3071.2
5°	3027.8
6°	2978.6
7°	2922.2
8°	2862.1
9°	2799.9
10°	2742.7
11°	2687.7
12°	2636.3
13°	2589.3
14°	2545.8
15°	2503.2
16°	2459.7
17°	2417.8
18°	2374.3
19°	2331.6
20°	2290.4
21°	2247.7
22°	2206.5
23°	2163.0
24°	2117.4
25°	2066.8
26°	2011.1
27°	1949.6
28°	1881.5
29°	1805.5
30°	1722.3
32.5°	1478.4
35°	1177.4
37.5°	872.0
40°	617.3
42.5°	442.2
45°	327.8
47.5°	246.8
50°	182.4
52.5°	130.3
55°	92.6
57.5°	63.7
60°	42.0
62.5°	27.5
65°	18.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	12.3
70°	8.0
72.5°	5.1
75°	3.6
77.5°	2.2
80°	1.4
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)