

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: P244245

Luminaire Tested: **LSR8B30D010 EC8B30835 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244245  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B30D010 EC8B30835 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3101.0 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

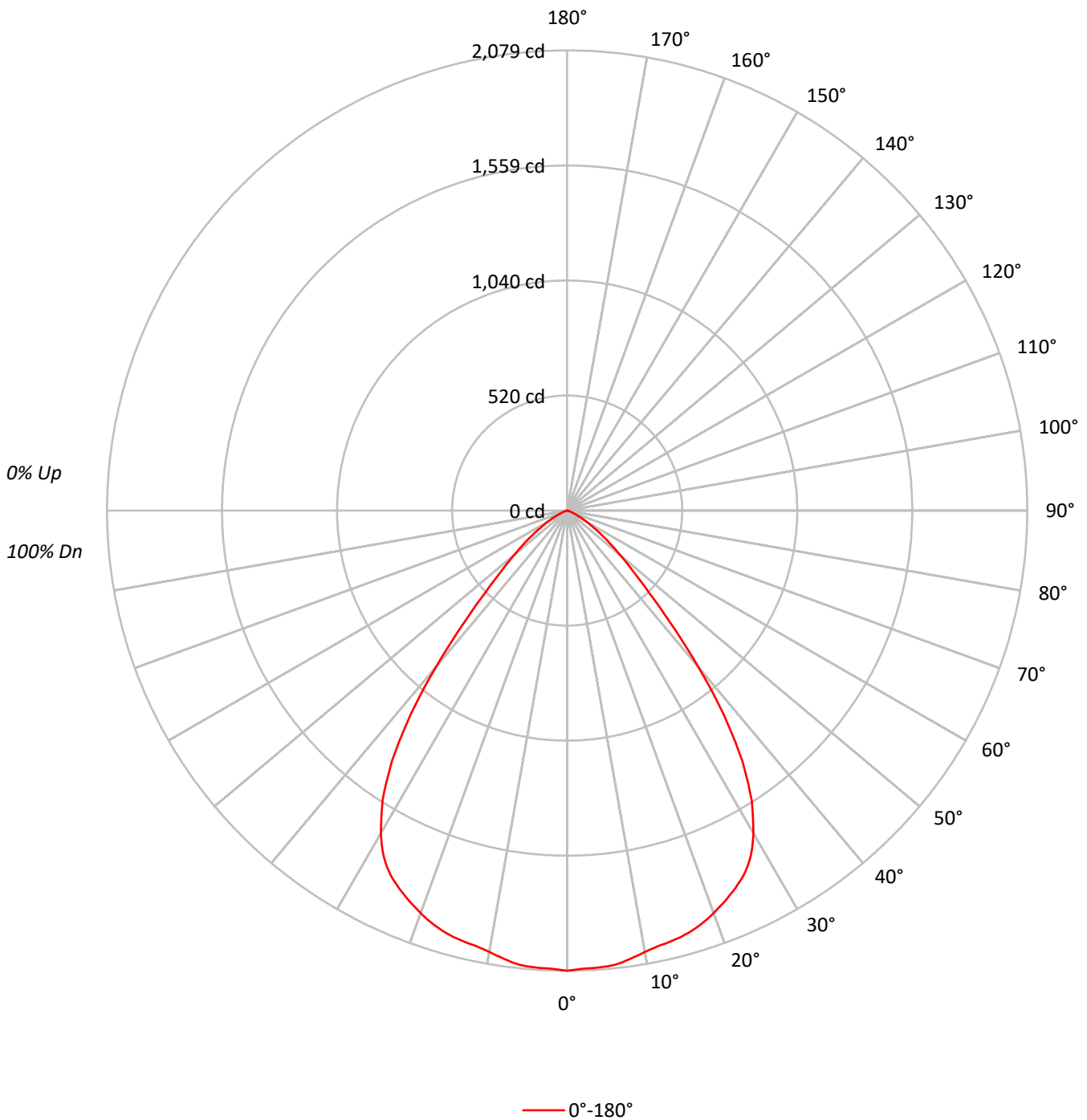
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

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

	0°
0°	64118
5°	63976
10°	63397
15°	63634
20°	63498
25°	62880
30°	59933
35°	51893
40°	37018
45°	22747
50°	15006
55°	9924
60°	6358
65°	3466
70°	1695
75°	858
80°	479
85°	318



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.9	6.3
10°-20°	562.2	18.1
20°-30°	846.1	27.3
30°-40°	837.7	27.0
40°-50°	425.6	13.7
50°-60°	171.5	5.5
60°-70°	52.0	1.7
70°-80°	9.0	0.3
80°-90°	1.1	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°	1604.2	51.7
0°-40°	2441.9	78.7
0°-60°	3039.0	98.0
0°-90°	3101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3101.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2079	
5°	2067	196
15°	1993	562
25°	1848	846
35°	1378	838
45°	522	426
55°	185	171
65°	48	52
75°	7	9
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2079.3
1°	2074.9
2°	2071.3
3°	2070.4
4°	2069.5
5°	2066.8
6°	2063.2
7°	2056.0
8°	2045.3
9°	2035.4
10°	2024.7
11°	2015.7
12°	2009.4
13°	2005.0
14°	1999.6
15°	1993.3
16°	1985.2
17°	1975.4
18°	1963.7
19°	1950.3
20°	1935.0
21°	1918.9
22°	1902.8
23°	1885.7
24°	1867.8
25°	1848.1
26°	1826.6
27°	1798.8
28°	1766.5
29°	1728.0
30°	1683.2
32.5°	1552.3
35°	1378.5
37.5°	1161.6
40°	919.6
42.5°	694.6
45°	521.6
47.5°	398.8
50°	312.8
52.5°	242.9
55°	184.6
57.5°	137.1
60°	103.1
62.5°	73.5
65°	47.5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	29.6
70°	18.8
72.5°	11.7
75°	7.2
77.5°	4.5
80°	2.7
82.5°	1.8
85°	0.9
87.5°	0.0
90°	0.0

(END OF REPORT)