

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: P244257

Luminaire Tested: **LSR8B30D010 EC8B30850 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244257  
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 EC8B30850 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE 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: 3141.0 lumens  
Efficiency: N/A  
Efficacy: 115.9 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

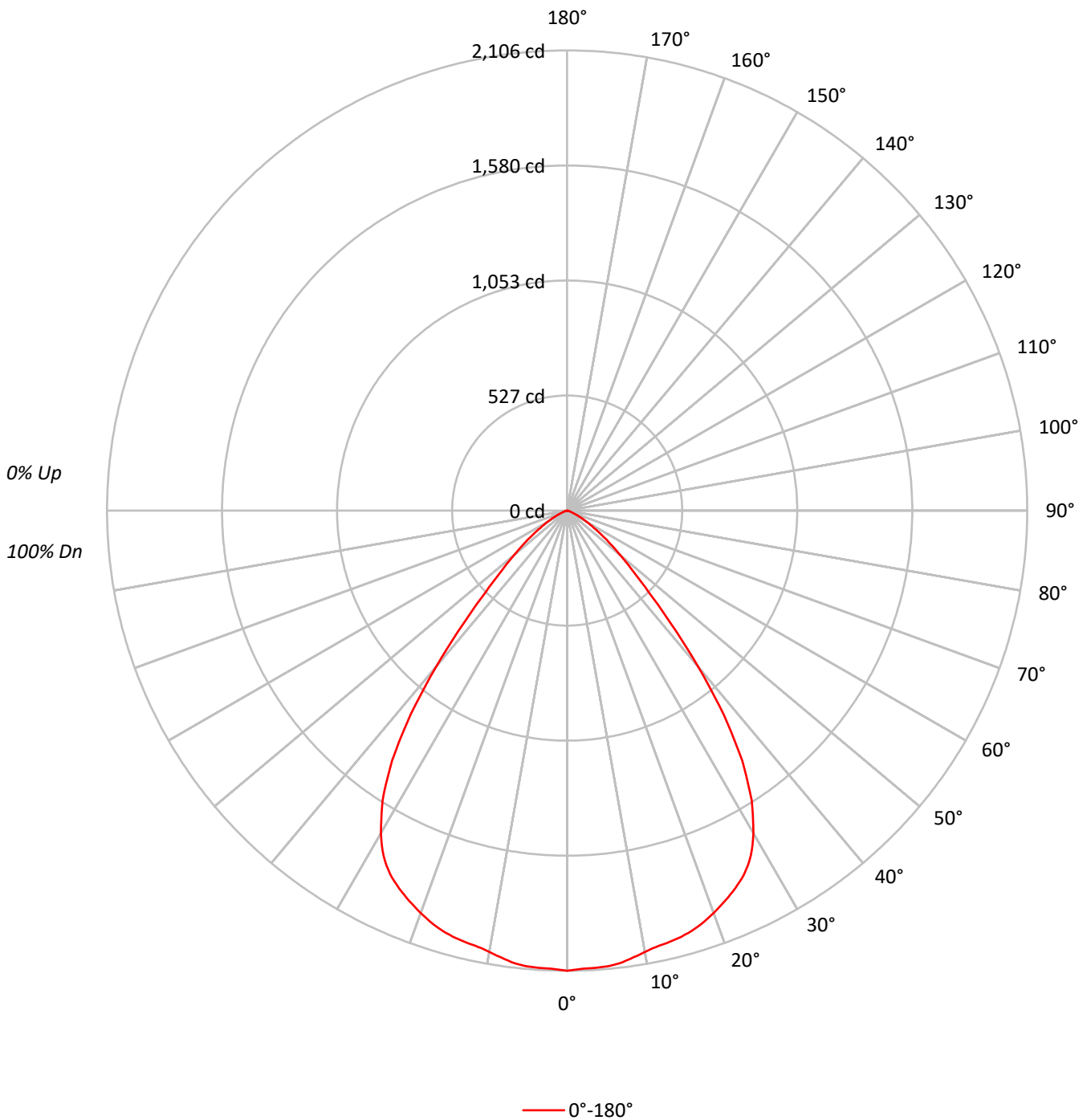
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	64947
5°	64802
10°	64215
15°	64455
20°	64318
25°	63690
30°	60706
35°	52559
40°	37493
45°	23043
50°	15198
55°	10053
60°	6439
65°	3510
70°	1722
75°	870
80°	479
85°	318



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	198.5	6.3
10°-20°	569.5	18.1
20°-30°	857.0	27.3
30°-40°	848.5	27.0
40°-50°	431.1	13.7
50°-60°	173.7	5.5
60°-70°	52.6	1.7
70°-80°	9.1	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°	1624.9	51.7
0°-40°	2473.4	78.7
0°-60°	3078.2	98.0
0°-90°	3141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3141.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2106	
5°	2094	198
15°	2019	569
25°	1872	857
35°	1396	848
45°	528	431
55°	187	174
65°	48	53
75°	7	9
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2106.2
1°	2101.6
2°	2098.0
3°	2097.1
4°	2096.2
5°	2093.5
6°	2089.8
7°	2082.6
8°	2071.7
9°	2061.7
10°	2050.8
11°	2041.7
12°	2035.4
13°	2030.8
14°	2025.4
15°	2019.0
16°	2010.8
17°	2000.9
18°	1989.1
19°	1975.4
20°	1960.0
21°	1943.7
22°	1927.3
23°	1910.1
24°	1891.9
25°	1871.9
26°	1850.2
27°	1822.0
28°	1789.3
29°	1750.3
30°	1704.9
32.5°	1572.4
35°	1396.2
37.5°	1176.5
40°	931.4
42.5°	703.6
45°	528.4
47.5°	404.0
50°	316.8
52.5°	246.0
55°	187.0
57.5°	138.9
60°	104.4
62.5°	74.4
65°	48.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	30.0
70°	19.1
72.5°	11.8
75°	7.3
77.5°	4.5
80°	2.7
82.5°	1.8
85°	0.9
87.5°	0.0
90°	0.0

(END OF REPORT)