

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: P243819

Luminaire Tested: **LSR8B30D010 EC8B30840 8LBW0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P243819  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B30D010 EC8B30840 8LBW0LI  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 4000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3243.0 lumens  
Efficiency: N/A  
Efficacy: 119.7 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

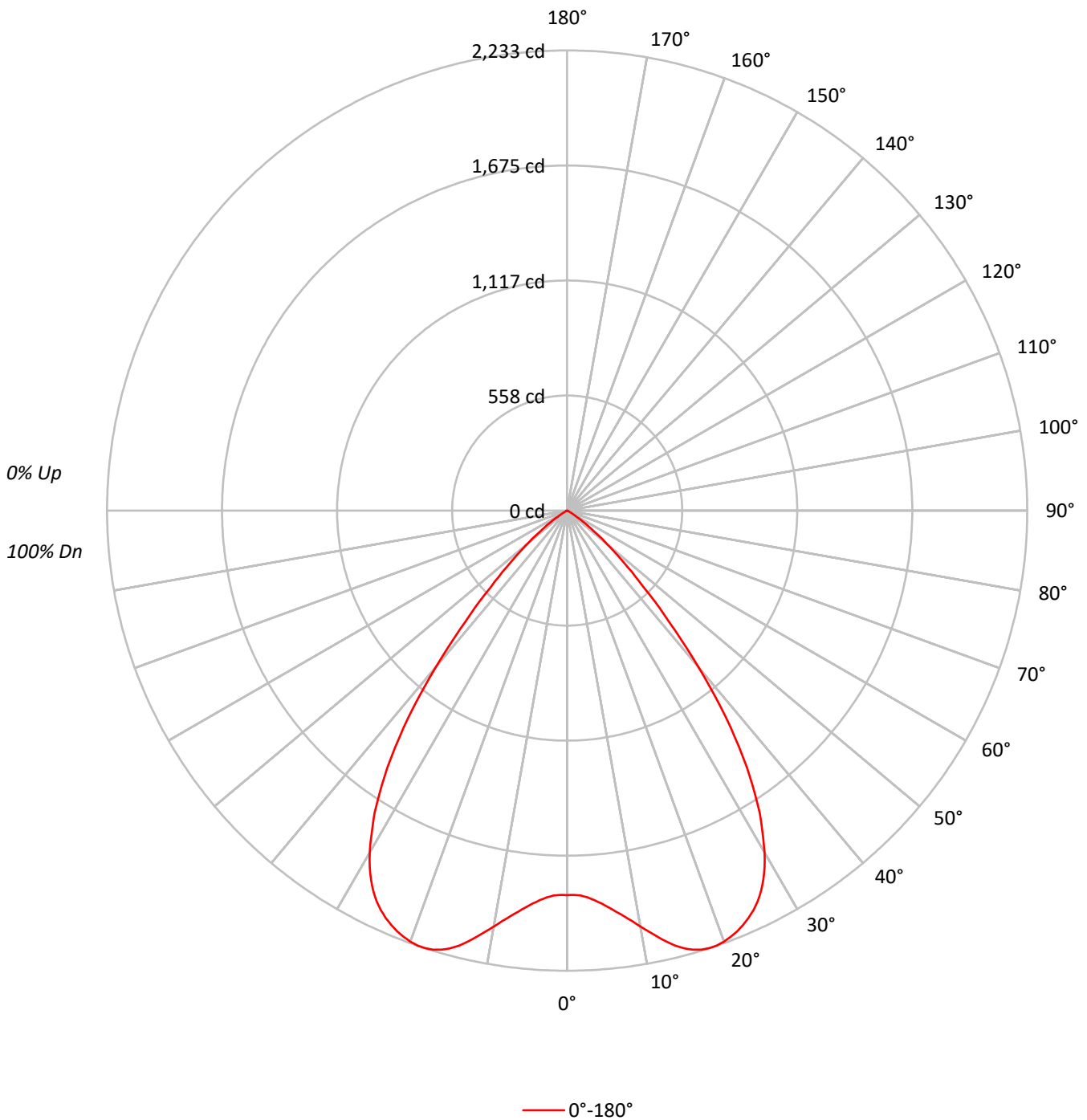
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42

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

	0°
0°	57537
5°	59240
10°	64177
15°	70217
20°	73053
25°	72784
30°	68272
35°	57249
40°	39859
45°	22829
50°	12257
55°	5059
60°	1258
65°	321
70°	162
75°	107
80°	160
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.1	5.8
10°-20°	619.9	19.1
20°-30°	975.4	30.1
30°-40°	927.8	28.6
40°-50°	427.8	13.2
50°-60°	97.2	3.0
60°-70°	6.4	0.2
70°-80°	1.3	0.0
80°-90°	0.1	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°	1782.4	55.0
0°-40°	2710.3	83.6
0°-60°	3235.2	99.8
0°-90°	3243.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3243.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1866	
5°	1914	187
15°	2200	620
25°	2139	975
35°	1521	928
45°	524	428
55°	94	97
65°	4	6
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1865.9
1°	1865.0
2°	1868.6
3°	1879.2
4°	1895.2
5°	1913.8
6°	1936.9
7°	1961.7
8°	1987.5
9°	2017.6
10°	2049.6
11°	2081.5
12°	2115.2
13°	2147.2
14°	2176.5
15°	2199.5
16°	2216.4
17°	2227.9
18°	2233.2
19°	2232.4
20°	2226.2
21°	2215.5
22°	2202.2
23°	2184.4
24°	2164.0
25°	2139.2
26°	2109.9
27°	2072.7
28°	2028.3
29°	1976.8
30°	1917.4
32.5°	1739.0
35°	1520.8
37.5°	1267.0
40°	990.2
42.5°	732.0
45°	523.5
47.5°	370.9
50°	255.5
52.5°	163.3
55°	94.1
57.5°	47.0
60°	20.4
62.5°	8.0
65°	4.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.7
70°	1.8
72.5°	1.8
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)