

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: P243951

Luminaire Tested: **LSR8B30D010 EC8B30830 8LBM0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P243951  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-11)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B30D010 EC8B30830 8LBM0LI  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3086.0 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Spacing Criteria (0/90/45): 0.63 / 0.63 / 0.72  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

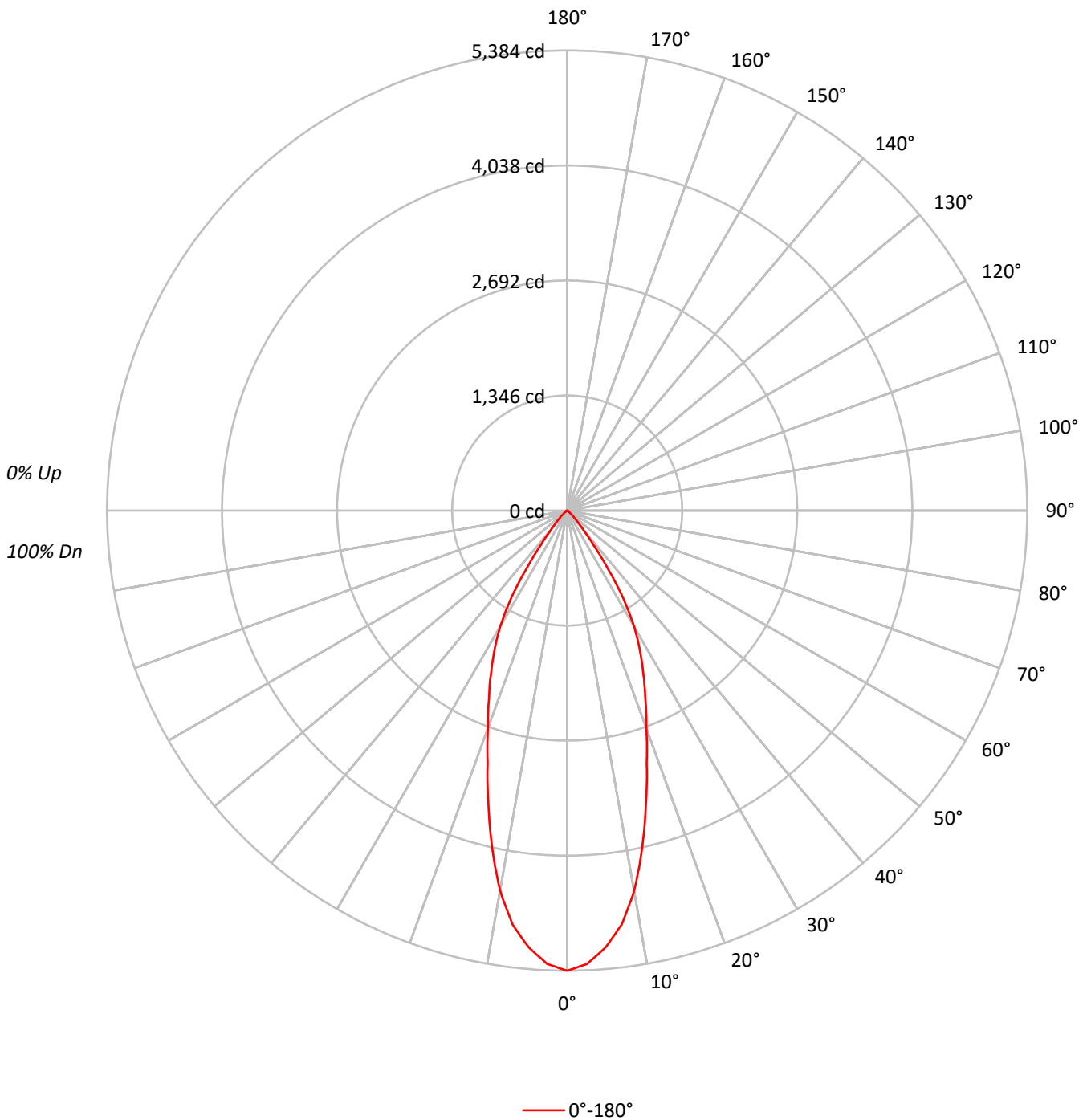
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	114	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94	94	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89	89	89
3	104	98	93	90	102	97	92	89	94	90	88	92	89	86	89	87	85	83	83	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78	78	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74	74	74
6	90	82	77	73	89	81	76	73	80	75	72	79	75	72	77	74	71	70	70	70
7	86	78	72	69	85	77	72	68	76	71	68	75	71	68	74	70	67	66	66	66
8	83	74	68	65	82	73	68	65	72	68	64	71	67	64	70	67	64	62	62	62
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	60	59	59	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	58	56	56	56

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

	0°
0°	166007
5°	158872
10°	141436
15°	113624
20°	88992
25°	71852
30°	55678
35°	31711
40°	11963
45°	5159
50°	2077
55°	774
60°	413
65°	277
70°	171
75°	119
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	471.1	15.3
10°-20°	988.3	32.0
20°-30°	967.1	31.3
30°-40°	535.1	17.3
40°-50°	103.6	3.4
50°-60°	15.9	0.5
60°-70°	3.9	0.1
70°-80°	1.0	0.0
80°-90°	0.0	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°	2426.5	78.6
0°-40°	2961.6	96.0
0°-60°	3081.1	99.8
0°-90°	3086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3086.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5384	
5°	5132	471
15°	3559	988
25°	2112	967
35°	842	535
45°	118	104
55°	14	16
65°	4	4
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5383.5
2.5°	5309.4
5°	5132.5
7.5°	4884.4
10°	4517.0
12.5°	4052.5
15°	3559.2
17.5°	3096.6
20°	2711.9
22.5°	2393.6
25°	2111.8
27.5°	1846.4
30°	1563.7
32.5°	1231.9
35°	842.4
37.5°	506.8
40°	297.2
42.5°	185.6
45°	118.3
47.5°	74.0
50°	43.3
52.5°	24.0
55°	14.4
57.5°	8.7
60°	6.7
62.5°	4.8
65°	3.8
67.5°	2.9
70°	1.9
72.5°	1.0
75°	1.0
77.5°	1.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)