

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: P246585

Luminaire Tested: **LSR8B30D010 EC8B30940 8LBW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246585  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B30D010 EC8B30940 8LBW0MW  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 4000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2808.0 lumens  
Efficiency: N/A  
Efficacy: 103.6 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

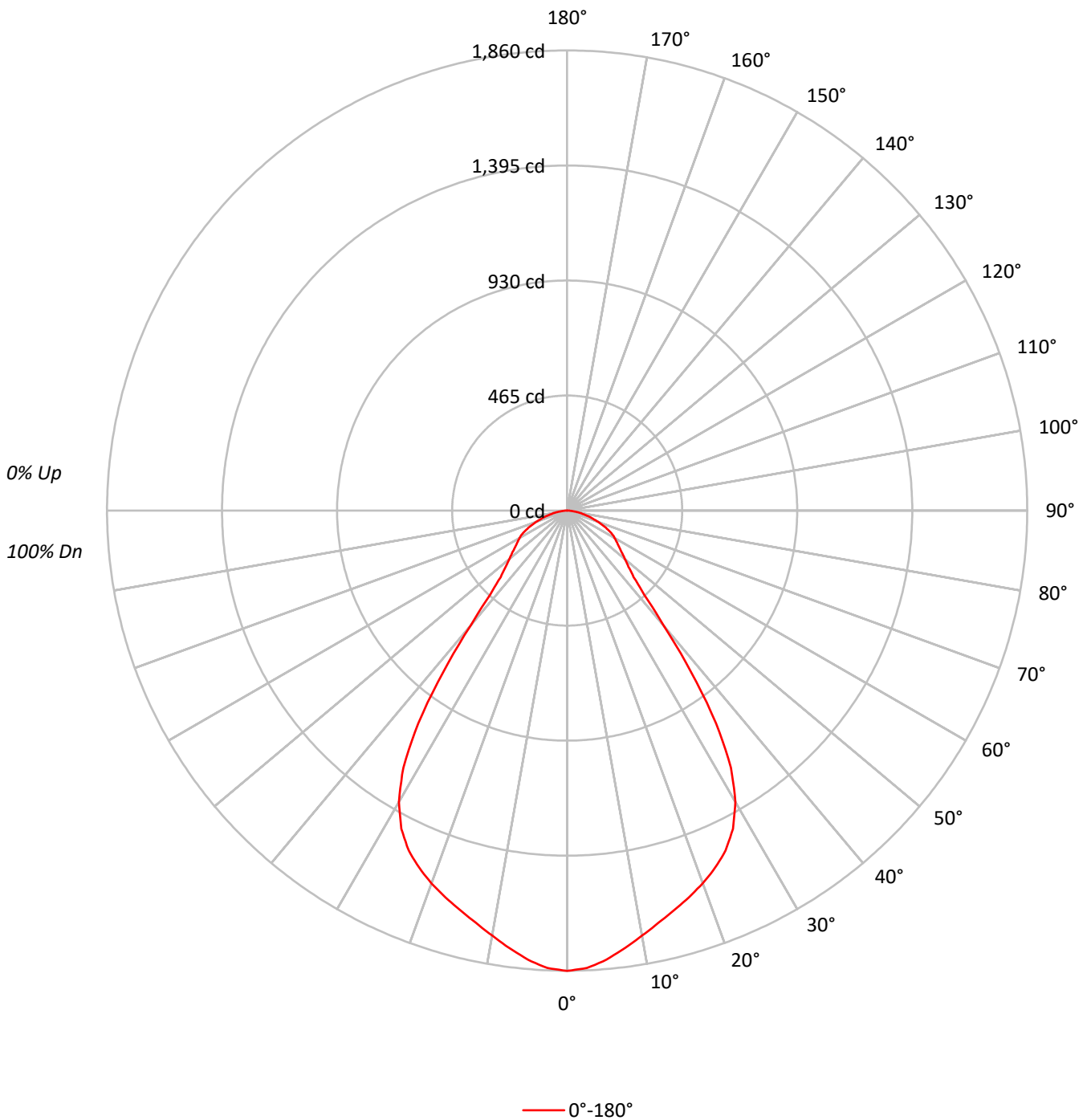
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

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

	0°
0°	57371
5°	56405
10°	54630
15°	53368
20°	52606
25°	51574
30°	48425
35°	39526
40°	24486
45°	16585
50°	14613
55°	13790
60°	13679
65°	13258
70°	11883
75°	10294
80°	8701
85°	6935



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.4	6.1
10°-20°	472.1	16.8
20°-30°	692.4	24.7
30°-40°	632.9	22.5
40°-50°	313.3	11.2
50°-60°	231.7	8.3
60°-70°	178.1	6.3
70°-80°	92.9	3.3
80°-90°	23.1	0.8
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°	1335.9	47.6
0°-40°	1968.9	70.1
0°-60°	2513.9	89.5
0°-90°	2808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2808.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1860	
5°	1822	171
15°	1672	472
25°	1516	692
35°	1050	633
45°	380	313
55°	256	232
65°	182	178
75°	86	93
85°	20	23
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1860.5
2.5°	1850.7
5°	1822.2
7.5°	1783.9
10°	1744.7
12.5°	1706.4
15°	1671.7
17.5°	1638.7
20°	1603.1
22.5°	1563.0
25°	1515.8
27.5°	1450.8
30°	1360.0
32.5°	1232.6
35°	1050.0
37.5°	823.8
40°	608.3
42.5°	460.4
45°	380.3
47.5°	336.7
50°	304.6
52.5°	278.8
55°	256.5
57.5°	237.8
60°	221.8
62.5°	204.8
65°	181.7
67.5°	156.7
70°	131.8
72.5°	108.7
75°	86.4
77.5°	66.8
80°	49.0
82.5°	33.8
85°	19.6
87.5°	7.1
90°	0.0

(END OF REPORT)