

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: P251430

Luminaire Tested: **LSR8B60D010 EC8B60935 8LBW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251430  
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: LSR8B60D010 EC8B60935 8LBW0MW  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5421.1 lumens  
Efficiency: N/A  
Efficacy: 91.1 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

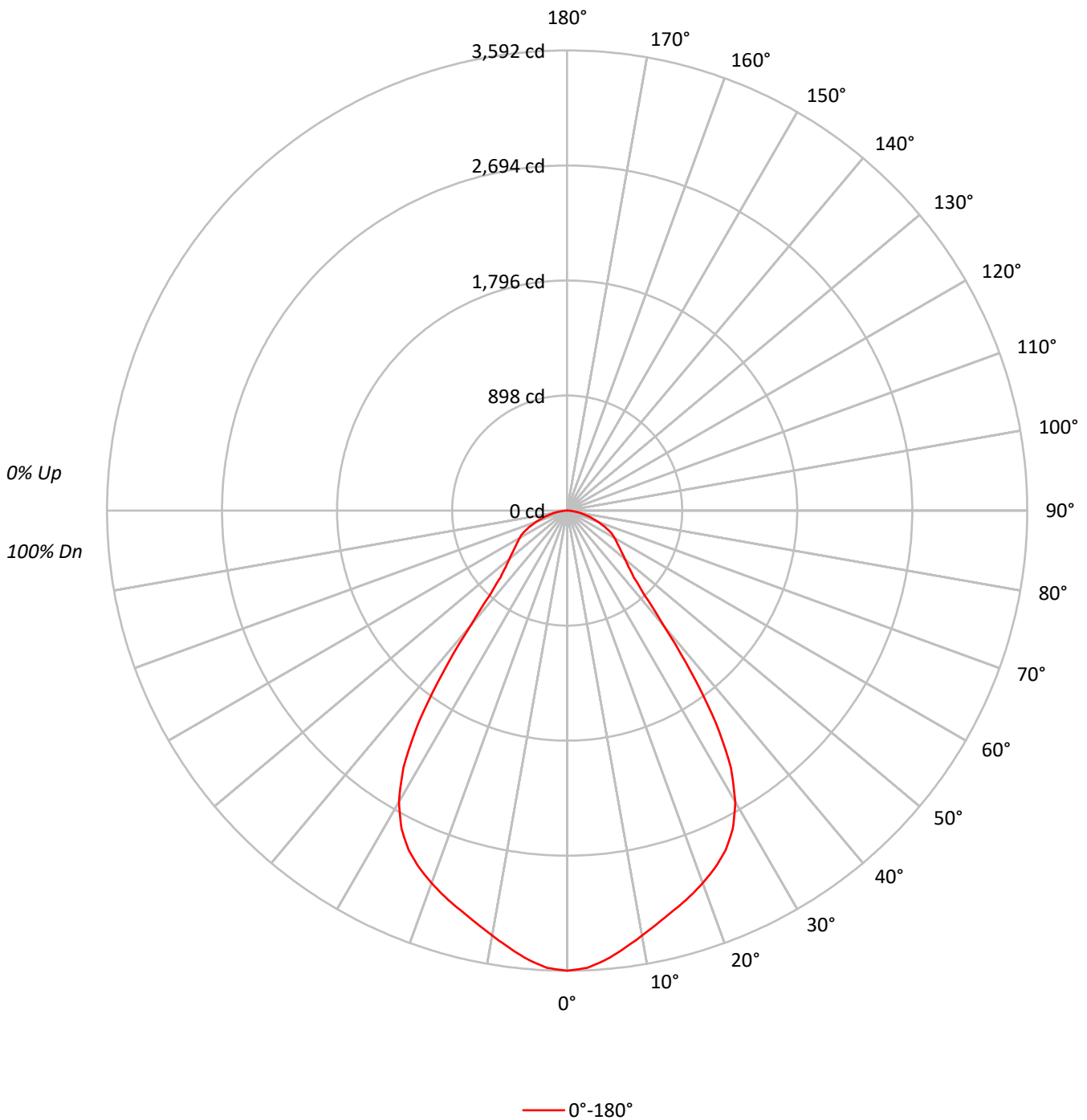
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	110758
5°	108893
10°	105468
15°	103029
20°	101560
25°	99568
30°	93485
35°	76312
40°	47270
45°	32018
50°	28208
55°	26623
60°	26402
65°	25596
70°	22946
75°	19873
80°	16799
85°	13374



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	330.9	6.1
10°-20°	911.5	16.8
20°-30°	1336.7	24.7
30°-40°	1221.9	22.5
40°-50°	604.9	11.2
50°-60°	447.3	8.3
60°-70°	343.9	6.3
70°-80°	179.3	3.3
80°-90°	44.7	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°	2579.2	47.6
0°-40°	3801.0	70.1
0°-60°	4853.3	89.5
0°-90°	5421.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5421.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3592	
5°	3518	331
15°	3227	912
25°	2926	1337
35°	2027	1222
45°	734	605
55°	495	447
65°	351	344
75°	167	179
85°	38	45
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3591.8
2.5°	3572.9
5°	3517.9
7.5°	3443.9
10°	3368.3
12.5°	3294.3
15°	3227.3
17.5°	3163.7
20°	3094.9
22.5°	3017.5
25°	2926.4
27.5°	2800.9
30°	2625.5
32.5°	2379.6
35°	2027.2
37.5°	1590.4
40°	1174.3
42.5°	888.9
45°	734.2
47.5°	649.9
50°	588.0
52.5°	538.2
55°	495.2
57.5°	459.1
60°	428.1
62.5°	395.5
65°	350.8
67.5°	302.6
70°	254.5
72.5°	209.8
75°	166.8
77.5°	129.0
80°	94.6
82.5°	65.3
85°	37.8
87.5°	13.8
90°	0.0

(END OF REPORT)