

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: P251420

Luminaire Tested: **LSR8B60D010 EC8B60835 8LBW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251420  
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 EC8B60835 8LBW0MW  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6357.0 lumens  
Efficiency: N/A  
Efficacy: 106.8 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

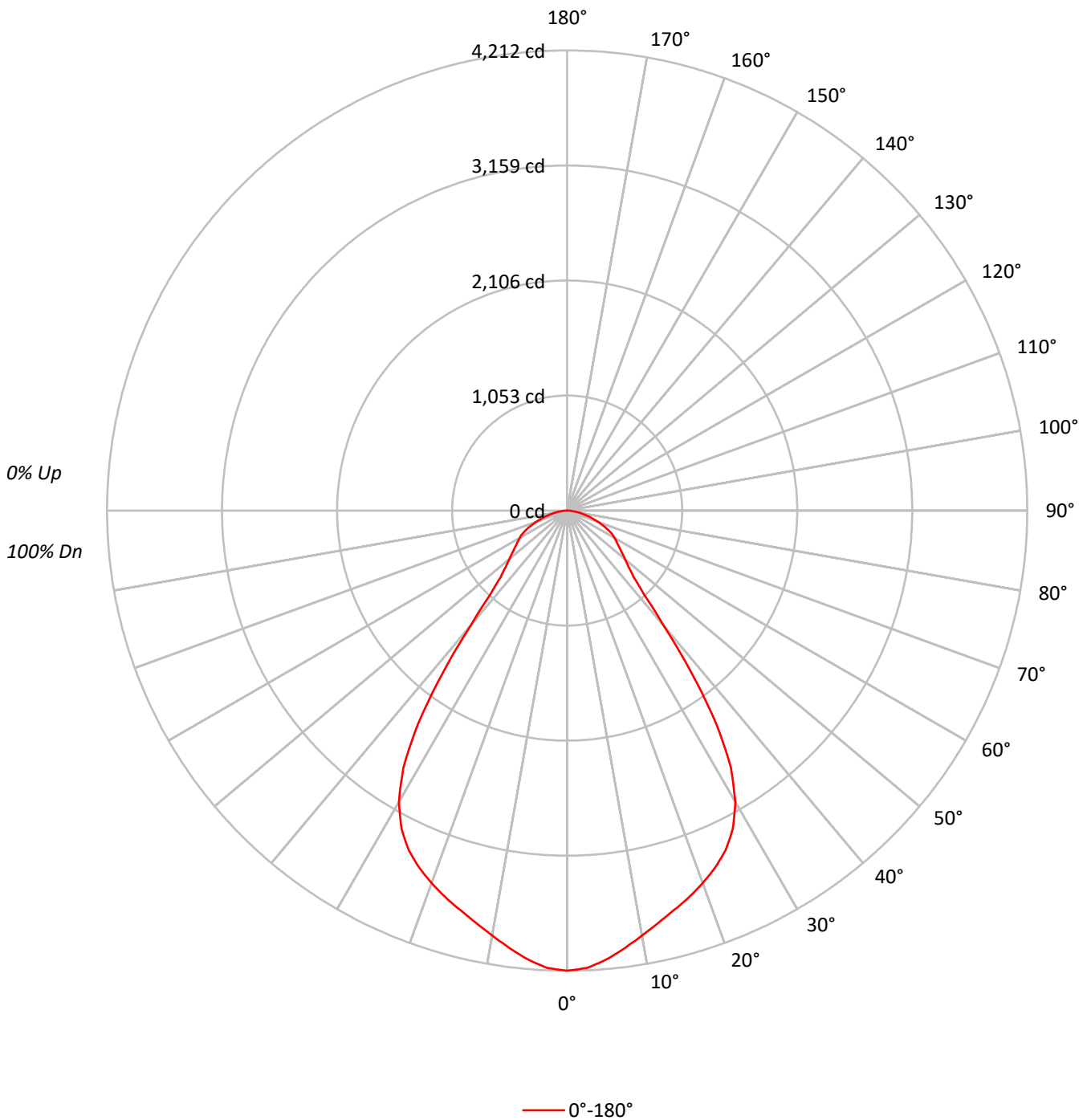
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P251420

CATALOG NUMBER: LSR8B60D010 EC8B60835 8LBW0MW

### Luminous Intensity Polar Plot





TEST NUMBER: P251420

CATALOG NUMBER: LSR8B60D010 EC8B60835 8LBW0MW

**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°	129883
5°	127695
10°	123676
15°	120817
20°	119097
25°	116761
30°	109626
35°	89488
40°	55434
45°	37543
50°	33082
55°	31219
60°	30960
65°	30010
70°	26904
75°	23304
80°	19694
85°	15709



TEST NUMBER: P251420

CATALOG NUMBER: LSR8B60D010 EC8B60835 8LBW0MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	388.1	6.1
10°-20°	1068.9	16.8
20°-30°	1567.5	24.7
30°-40°	1432.8	22.5
40°-50°	709.4	11.2
50°-60°	524.6	8.3
60°-70°	403.2	6.3
70°-80°	210.2	3.3
80°-90°	52.4	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°	3024.5	47.6
0°-40°	4457.3	70.1
0°-60°	5691.2	89.5
0°-90°	6357.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6357.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4212	
5°	4125	388
15°	3784	1069
25°	3432	1568
35°	2377	1433
45°	861	709
55°	581	525
65°	411	403
75°	196	210
85°	44	52
90°	0	



TEST NUMBER: P251420

CATALOG NUMBER: LSR8B60D010 EC8B60835 8LBW0MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4212.0
2.5°	4189.8
5°	4125.3
7.5°	4038.6
10°	3949.8
12.5°	3863.1
15°	3784.5
17.5°	3709.9
20°	3629.3
22.5°	3538.5
25°	3431.7
27.5°	3284.5
30°	3078.8
32.5°	2790.5
35°	2377.2
37.5°	1865.0
40°	1377.1
42.5°	1042.4
45°	860.9
47.5°	762.1
50°	689.6
52.5°	631.1
55°	580.7
57.5°	538.3
60°	502.0
62.5°	463.7
65°	411.3
67.5°	354.9
70°	298.4
72.5°	246.0
75°	195.6
77.5°	151.2
80°	110.9
82.5°	76.6
85°	44.4
87.5°	16.1
90°	0.0

(END OF REPORT)