

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: P251222

Luminaire Tested: **LSR8B60D010 EC8B60835 8LBW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251222  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-46)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B60D010 EC8B60835 8LBW0GPH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5584.9 lumens  
Efficiency: N/A  
Efficacy: 93.9 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

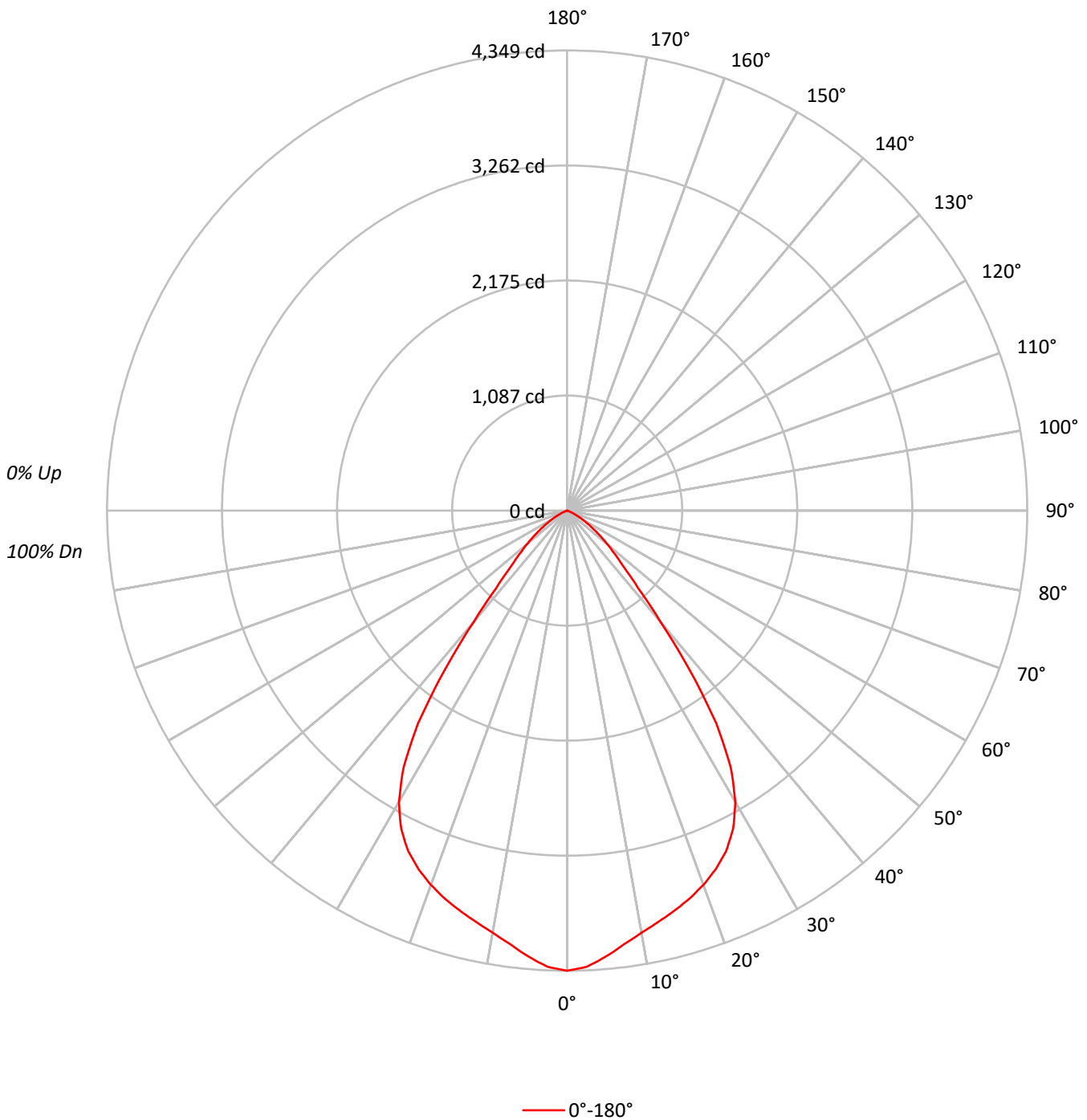
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	113	110	107	104	110	108	105	103	103	101	100	100	98	97	96	95	94					92				
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86					84				
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78					76				
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71					70				
5	88	79	72	67	87	78	72	67	76	71	66	74	70	66	73	69	65					64				
6	83	73	66	61	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	65	59	56	63	59	55					54				
8	74	63	56	52	73	63	56	52	61	56	51	60	55	51	59	55	51					49				
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47					46				
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44					43				

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

	0°
0°	134101
5°	130930
10°	126826
15°	124992
20°	123520
25°	120867
30°	113208
35°	92439
40°	55188
45°	33147
50°	23890
55°	16257
60°	10194
65°	4998
70°	1271
75°	477
80°	355
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	397.9	7.1
10°-20°	1104.9	19.8
20°-30°	1622.6	29.1
30°-40°	1470.9	26.3
40°-50°	629.7	11.3
50°-60°	278.6	5.0
60°-70°	74.3	1.3
70°-80°	5.8	0.1
80°-90°	0.3	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°	3125.4	56.0
0°-40°	4596.3	82.3
0°-60°	5504.6	98.6
0°-90°	5584.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5584.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4349	
5°	4230	398
15°	3915	1105
25°	3552	1623
35°	2456	1471
45°	760	630
55°	302	279
65°	68	74
75°	4	6
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4348.8
2.5°	4314.5
5°	4229.8
7.5°	4133.0
10°	4050.4
12.5°	3981.8
15°	3915.3
17.5°	3844.7
20°	3764.1
22.5°	3669.3
25°	3552.4
27.5°	3395.1
30°	3179.4
32.5°	2877.0
35°	2455.6
37.5°	1903.2
40°	1371.0
42.5°	989.9
45°	760.1
47.5°	612.9
50°	498.0
52.5°	395.2
55°	302.4
57.5°	225.8
60°	165.3
62.5°	114.9
65°	68.5
67.5°	30.2
70°	14.1
72.5°	8.1
75°	4.0
77.5°	2.0
80°	2.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)