

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: P251332

Luminaire Tested: **LD8B60D010 ER8B60835 8LBW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251332  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-47)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B60D010 ER8B60835 8LBW0B  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3500 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3970.0 lumens  
Efficiency: N/A  
Efficacy: 66.7 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.02  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

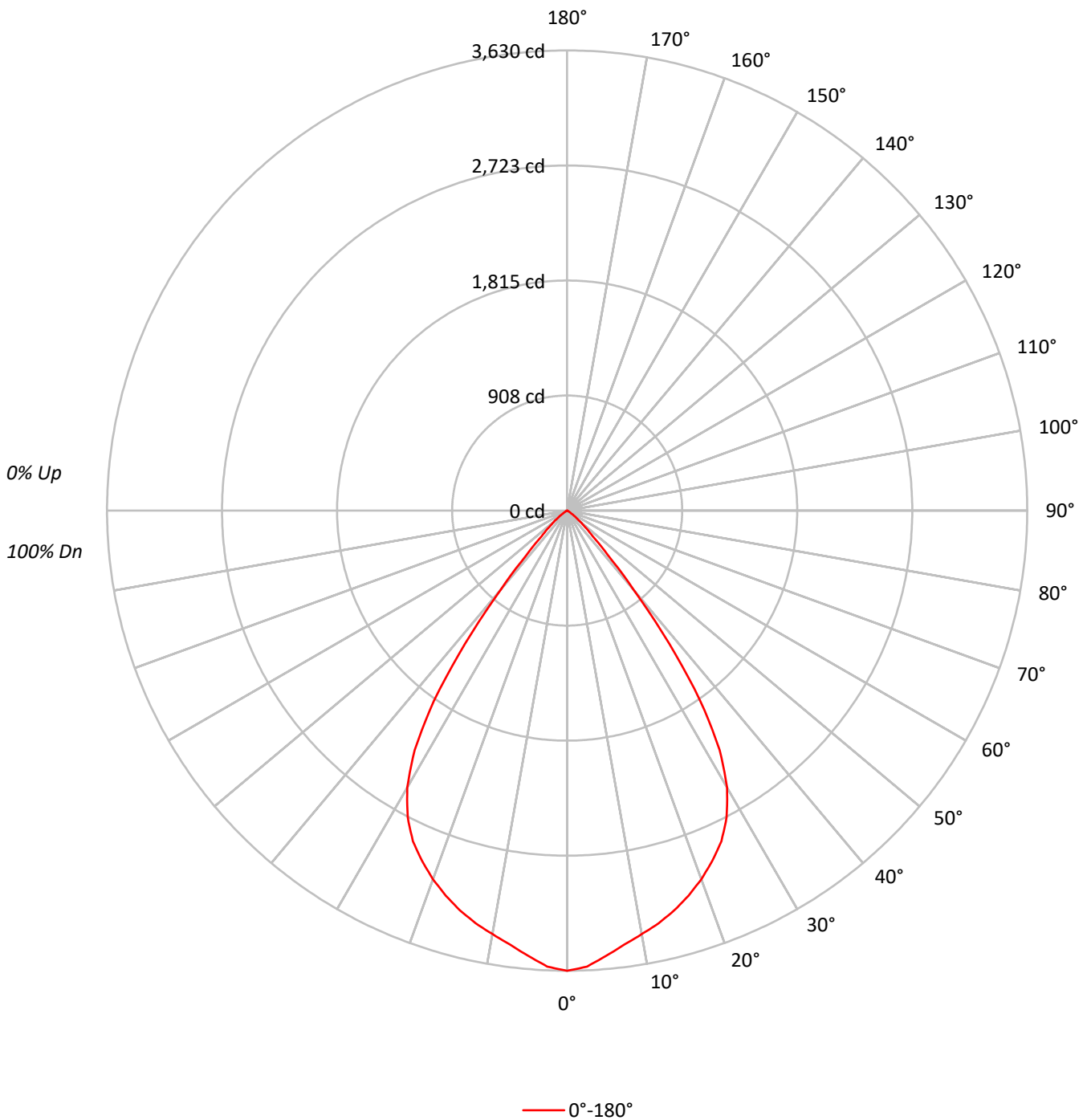
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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				
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	111	106	106	106	106	102	102	102	102	100
1	113	110	108	106	111	108	106	104	104	102	101	101	101	99	98	98	97	96	95	95	93
2	107	102	98	95	105	101	97	94	97	94	92	92	94	92	90	90	92	90	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	84	89	85	82	82	86	84	81	81	80
4	96	88	83	78	94	87	82	78	85	80	77	77	83	79	76	76	81	78	75	75	74
5	91	82	76	72	89	81	76	71	80	75	71	71	78	74	70	70	76	73	70	70	68
6	86	77	71	66	85	76	70	66	74	69	65	65	73	68	65	65	72	68	65	65	63
7	82	72	66	61	80	71	65	61	70	64	61	61	69	64	60	60	67	63	60	60	58
8	77	67	61	57	76	67	61	57	66	60	56	56	65	60	56	56	64	59	56	56	54
9	73	63	57	53	72	63	57	53	62	56	52	52	61	56	52	52	60	55	52	52	51
10	70	59	53	49	68	59	53	49	58	53	49	49	57	52	49	49	57	52	49	49	47

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

	0°
0°	111948
5°	109132
10°	106226
15°	104248
20°	101537
25°	97938
30°	89861
35°	68900
40°	32783
45°	12481
50°	6093
55°	2495
60°	623
65°	146
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	332.4	8.4
10°-20°	918.9	23.1
20°-30°	1312.1	33.1
30°-40°	1087.4	27.4
40°-50°	268.2	6.8
50°-60°	48.3	1.2
60°-70°	2.7	0.1
70°-80°	0.0	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°	2563.4	64.6
0°-40°	3650.9	92.0
0°-60°	3967.3	99.9
0°-90°	3970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3970.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3630	
5°	3526	332
15°	3266	919
25°	2878	1312
35°	1830	1087
45°	286	268
55°	46	48
65°	2	3
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3630.4
2.5°	3600.1
5°	3525.6
7.5°	3453.0
10°	3392.5
12.5°	3334.1
15°	3265.5
17.5°	3184.9
20°	3094.2
22.5°	2991.4
25°	2878.5
27.5°	2725.3
30°	2523.7
32.5°	2239.5
35°	1830.3
37.5°	1322.3
40°	814.4
42.5°	473.7
45°	286.2
47.5°	189.5
50°	127.0
52.5°	82.6
55°	46.4
57.5°	22.2
60°	10.1
62.5°	4.0
65°	2.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)