

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: P250968

Luminaire Tested: **LD8B60D010 ER8B60850 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250968  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B60D010 ER8B60850 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6226.0 lumens  
Efficiency: N/A  
Efficacy: 104.6 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

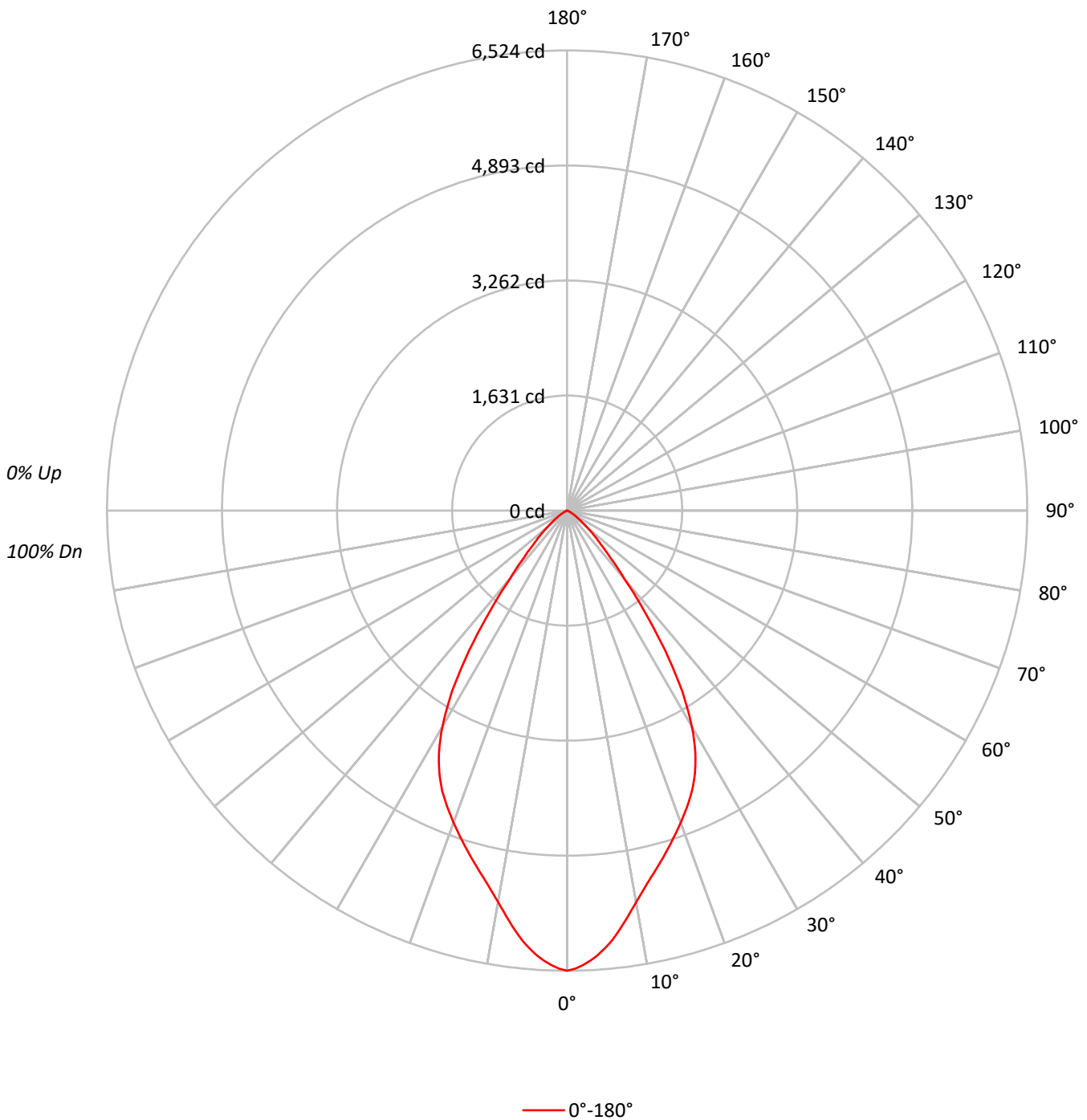
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64		72	68	64		71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48		57	52	48		56	51	48	47

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

	0°
0°	201176
5°	192646
10°	176521
15°	164253
20°	154488
25°	144541
30°	126055
35°	91103
40°	51074
45°	29384
50°	17980
55°	10236
60°	5322
65°	2714
70°	1479
75°	882
80°	533
85°	531



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	574.6	9.2
10°-20°	1446.4	23.2
20°-30°	1929.9	31.0
30°-40°	1487.6	23.9
40°-50°	554.6	8.9
50°-60°	181.4	2.9
60°-70°	41.8	0.7
70°-80°	8.4	0.1
80°-90°	1.2	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°	3950.9	63.5
0°-40°	5438.5	87.4
0°-60°	6174.5	99.2
0°-90°	6226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6226.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6524	
5°	6224	575
15°	5145	1446
25°	4248	1930
35°	2420	1488
45°	674	555
55°	190	181
65°	37	42
75°	7	8
85°	2	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6524.0
1°	6495.8
2°	6448.2
3°	6387.2
4°	6312.8
5°	6223.6
6°	6122.4
7°	6006.4
8°	5882.9
9°	5755.0
10°	5637.5
11°	5524.4
12°	5418.8
13°	5322.1
14°	5232.9
15°	5145.1
16°	5055.9
17°	4969.6
18°	4880.4
19°	4792.6
20°	4707.8
21°	4620.1
22°	4535.3
23°	4446.0
24°	4352.3
25°	4248.2
26°	4133.7
27°	4007.2
28°	3867.4
29°	3711.2
30°	3540.2
32.5°	3038.9
35°	2420.1
37.5°	1792.4
40°	1268.8
42.5°	908.8
45°	673.8
47.5°	507.2
50°	374.8
52.5°	267.7
55°	190.4
57.5°	130.9
60°	86.3
62.5°	56.5
65°	37.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	25.3
70°	16.4
72.5°	10.4
75°	7.4
77.5°	4.5
80°	3.0
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)