

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: P250954

Luminaire Tested: **LD8B60D010 ER8B60950 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27944)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B60D010 ER8B60950 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5209.1 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.79
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

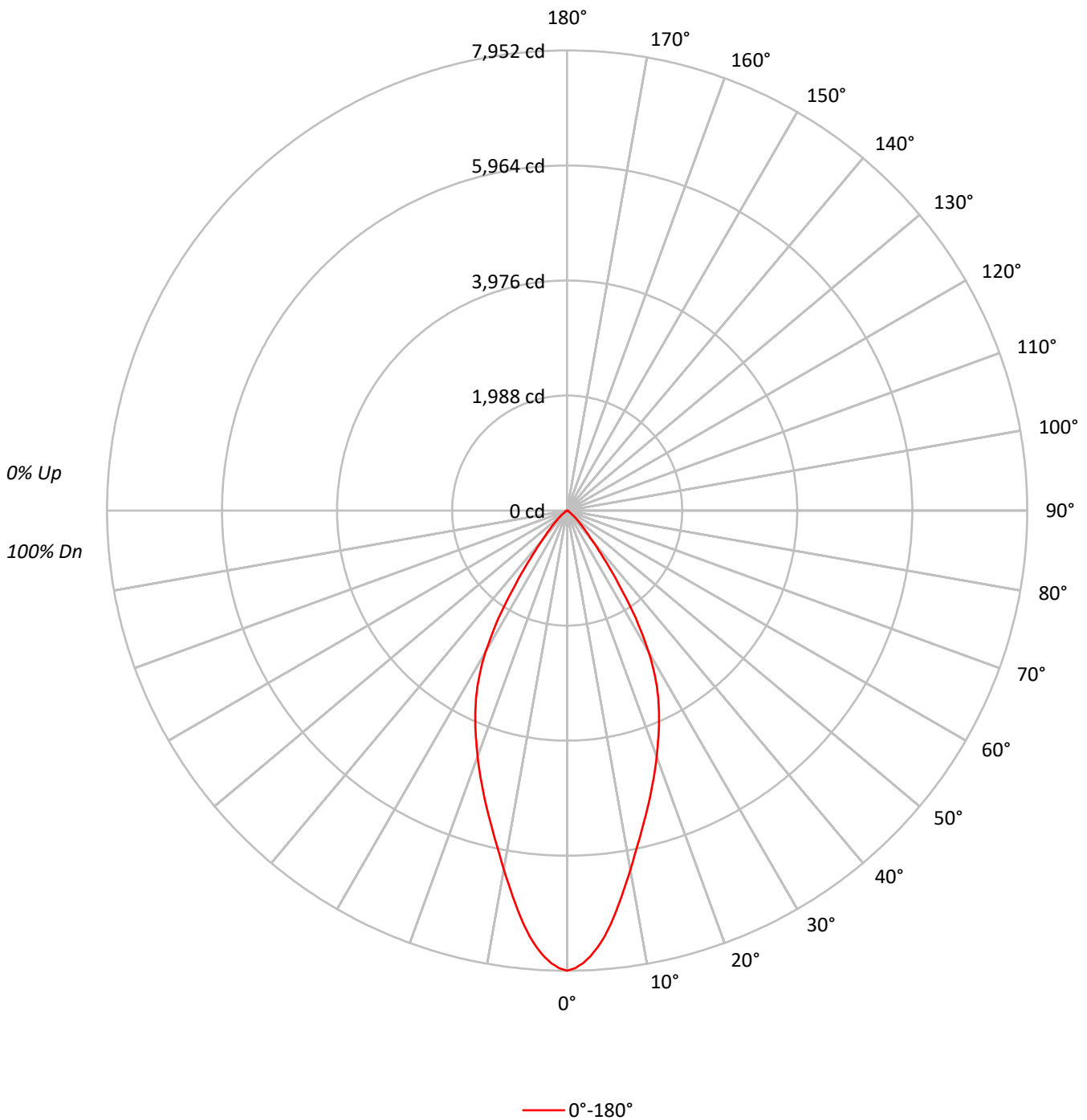
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	69	67
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	58		64	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55		62	58	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	245198
5°	228707
10°	197147
15°	170618
20°	148420
25°	127553
30°	100222
35°	58476
40°	26982
45°	13964
50°	7004
55°	3403
60°	1733
65°	1029
70°	478
75°	417
80°	320
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	668.7	12.8
10°-20°	1494.3	28.7
20°-30°	1699.0	32.6
30°-40°	997.8	19.2
40°-50°	267.8	5.1
50°-60°	63.5	1.2
60°-70°	14.5	0.3
70°-80°	3.3	0.1
80°-90°	0.2	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°	3862.0	74.1
0°-40°	4859.8	93.3
0°-60°	5191.1	99.7
0°-90°	5209.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5209.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7952	
5°	7389	669
15°	5344	1494
25°	3749	1699
35°	1553	998
45°	320	268
55°	63	64
65°	14	15
75°	4	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7951.6
1°	7907.6
2°	7826.7
3°	7712.3
4°	7564.6
5°	7388.6
6°	7189.9
7°	6964.7
8°	6739.5
9°	6512.6
10°	6296.2
11°	6085.1
12°	5886.3
13°	5701.6
14°	5516.9
15°	5344.5
16°	5175.6
17°	5008.4
18°	4846.6
19°	4683.0
20°	4522.9
21°	4362.8
22°	4209.8
23°	4058.5
24°	3903.7
25°	3748.9
26°	3588.8
27°	3414.6
28°	3231.7
29°	3031.1
30°	2814.7
32.5°	2207.8
35°	1553.4
37.5°	1023.9
40°	670.3
42.5°	462.7
45°	320.2
47.5°	219.9
50°	146.0
52.5°	95.0
55°	63.3
57.5°	42.2
60°	28.1
62.5°	19.4
65°	14.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.8
70°	5.3
72.5°	3.5
75°	3.5
77.5°	1.8
80°	1.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)