

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: P250966

Luminaire Tested: **LD8B60D010 ER8B60840 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250966
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 ER8B60840 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6107.0 lumens
Efficiency: N/A
Efficacy: 102.6 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

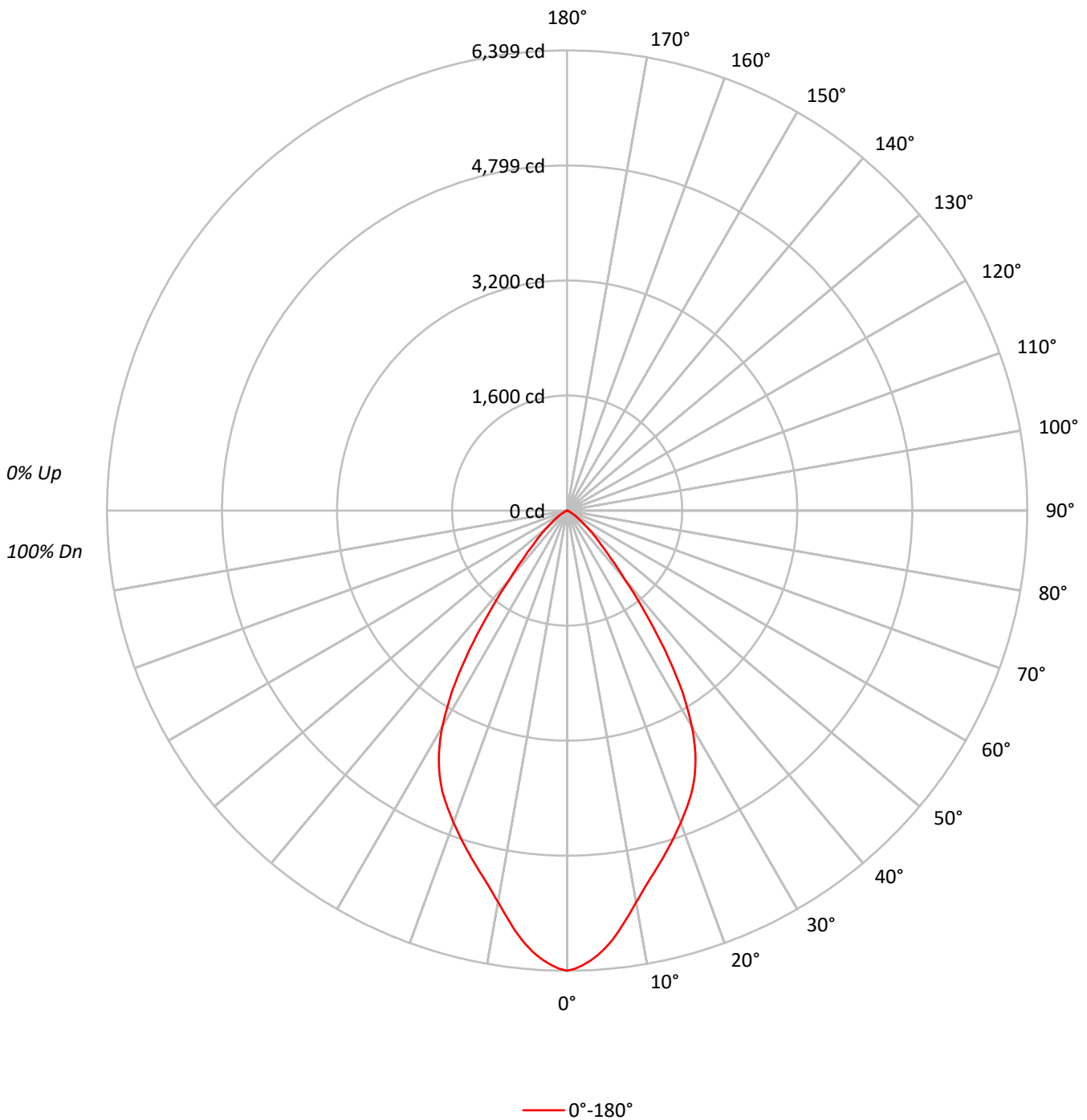
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	197331
5°	188962
10°	173146
15°	161115
20°	151535
25°	141778
30°	123644
35°	89360
40°	50100
45°	28821
50°	17640
55°	10043
60°	5218
65°	2663
70°	1443
75°	870
80°	515
85°	531



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.6	9.2
10°-20°	1418.7	23.2
20°-30°	1893.0	31.0
30°-40°	1459.1	23.9
40°-50°	544.0	8.9
50°-60°	177.9	2.9
60°-70°	41.0	0.7
70°-80°	8.2	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°	3875.4	63.5
0°-40°	5334.5	87.4
0°-60°	6056.5	99.2
0°-90°	6107.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6107.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6399	
5°	6105	564
15°	5047	1419
25°	4167	1893
35°	2374	1459
45°	661	544
55°	187	178
65°	36	41
75°	7	8
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6399.3
1°	6371.6
2°	6324.9
3°	6265.1
4°	6192.1
5°	6104.6
6°	6005.4
7°	5891.6
8°	5770.5
9°	5645.0
10°	5529.7
11°	5418.9
12°	5315.3
13°	5220.4
14°	5132.9
15°	5046.8
16°	4959.3
17°	4874.6
18°	4787.1
19°	4701.0
20°	4617.8
21°	4531.8
22°	4448.6
23°	4361.1
24°	4269.1
25°	4167.0
26°	4054.7
27°	3930.6
28°	3793.5
29°	3640.3
30°	3472.5
32.5°	2980.8
35°	2373.8
37.5°	1758.1
40°	1244.6
42.5°	891.5
45°	660.9
47.5°	497.5
50°	367.7
52.5°	262.6
55°	186.8
57.5°	128.4
60°	84.6
62.5°	55.4
65°	36.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	24.8
70°	16.0
72.5°	10.2
75°	7.3
77.5°	4.4
80°	2.9
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)