

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: P250950

Luminaire Tested: **LD8B60D010 ER8B60935 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250950
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 ER8B60935 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4817.0 lumens
Efficiency: N/A
Efficacy: 81.0 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

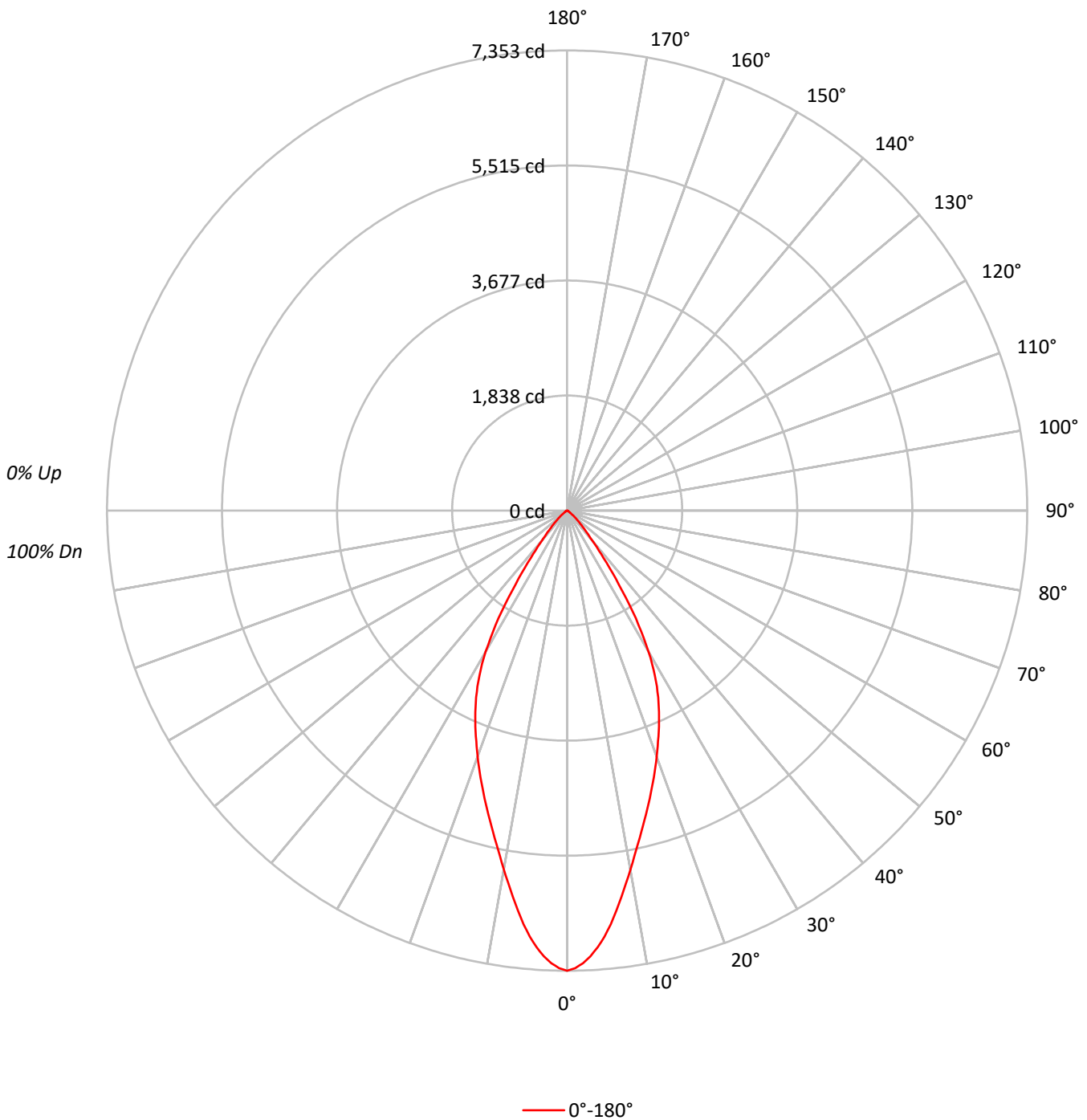
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	226746
5°	211497
10°	182311
15°	157778
20°	137250
25°	117951
30°	92681
35°	54076
40°	24949
45°	12913
50°	6476
55°	3150
60°	1603
65°	949
70°	442
75°	393
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.3	12.8
10°-20°	1381.9	28.7
20°-30°	1571.1	32.6
30°-40°	922.7	19.2
40°-50°	247.6	5.1
50°-60°	58.7	1.2
60°-70°	13.4	0.3
70°-80°	3.0	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°	3571.3	74.1
0°-40°	4494.0	93.3
0°-60°	4800.4	99.7
0°-90°	4817.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4817.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7353	
5°	6833	618
15°	4942	1382
25°	3467	1571
35°	1436	923
45°	296	248
55°	59	59
65°	13	13
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7353.2
1°	7312.5
2°	7237.7
3°	7131.9
4°	6995.3
5°	6832.6
6°	6648.8
7°	6440.6
8°	6232.3
9°	6022.5
10°	5822.4
11°	5627.1
12°	5443.3
13°	5272.5
14°	5101.7
15°	4942.3
16°	4786.1
17°	4631.5
18°	4481.9
19°	4330.6
20°	4182.5
21°	4034.5
22°	3893.0
23°	3753.1
24°	3609.9
25°	3466.7
26°	3318.7
27°	3157.6
28°	2988.5
29°	2803.0
30°	2602.9
32.5°	2041.7
35°	1436.5
37.5°	946.8
40°	619.8
42.5°	427.9
45°	296.1
47.5°	203.4
50°	135.0
52.5°	87.8
55°	58.6
57.5°	39.0
60°	26.0
62.5°	17.9
65°	13.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.1
70°	4.9
72.5°	3.3
75°	3.3
77.5°	1.6
80°	1.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)