

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: P250942

Luminaire Tested: **LSR8B60D010 EC8B60840 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250942
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: LSR8B60D010 EC8B60840 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5612.0 lumens
Efficiency: N/A
Efficacy: 94.3 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

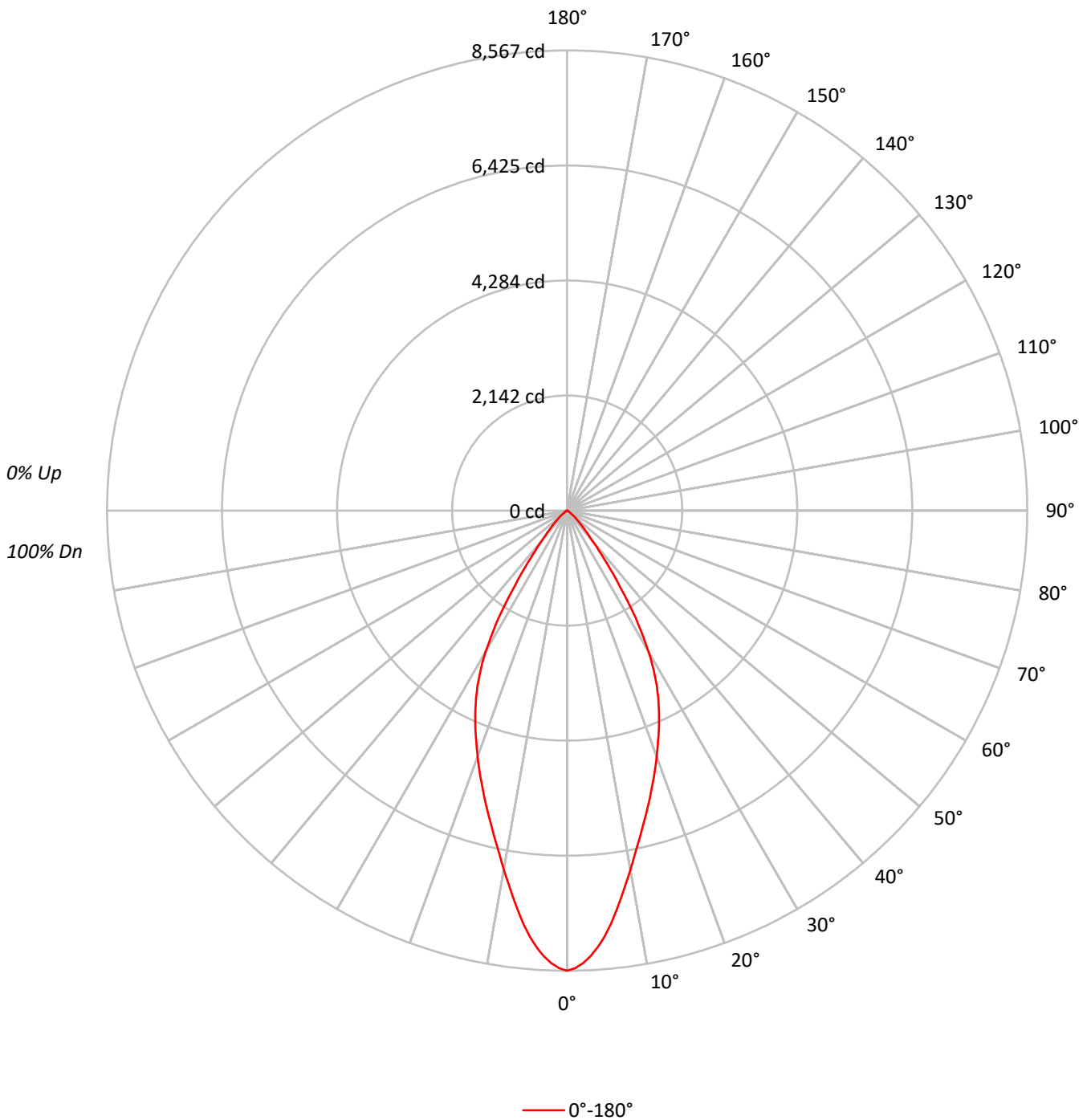
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	264169
5°	246404
10°	212399
15°	183816
20°	159902
25°	137420
30°	107977
35°	63001
40°	29067
45°	15041
50°	7546
55°	3667
60°	1869
65°	1109
70°	514
75°	453
80°	337
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	720.4	12.8
10°-20°	1609.9	28.7
20°-30°	1830.4	32.6
30°-40°	1075.0	19.2
40°-50°	288.5	5.1
50°-60°	68.4	1.2
60°-70°	15.6	0.3
70°-80°	3.5	0.1
80°-90°	0.3	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°	4160.7	74.1
0°-40°	5235.7	93.3
0°-60°	5592.6	99.7
0°-90°	5612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5612.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8567	
5°	7960	720
15°	5758	1610
25°	4039	1830
35°	1674	1075
45°	345	288
55°	68	68
65°	15	16
75°	4	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8566.8
1°	8519.4
2°	8432.2
3°	8309.0
4°	8149.8
5°	7960.3
6°	7746.1
7°	7503.5
8°	7260.9
9°	7016.4
10°	6783.3
11°	6555.9
12°	6341.7
13°	6142.7
14°	5943.7
15°	5757.9
16°	5576.0
17°	5395.9
18°	5221.6
19°	5045.3
20°	4872.8
21°	4700.4
22°	4535.5
23°	4372.5
24°	4205.7
25°	4038.9
26°	3866.4
27°	3678.8
28°	3481.7
29°	3265.6
30°	3032.5
32.5°	2378.6
35°	1673.6
37.5°	1103.1
40°	722.1
42.5°	498.5
45°	344.9
47.5°	236.9
50°	157.3
52.5°	102.3
55°	68.2
57.5°	45.5
60°	30.3
62.5°	20.8
65°	15.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	9.5
70°	5.7
72.5°	3.8
75°	3.8
77.5°	1.9
80°	1.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)