

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: P251136

Luminaire Tested: **LSR8B60D010 EC8B60850 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B60850 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5893.0 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

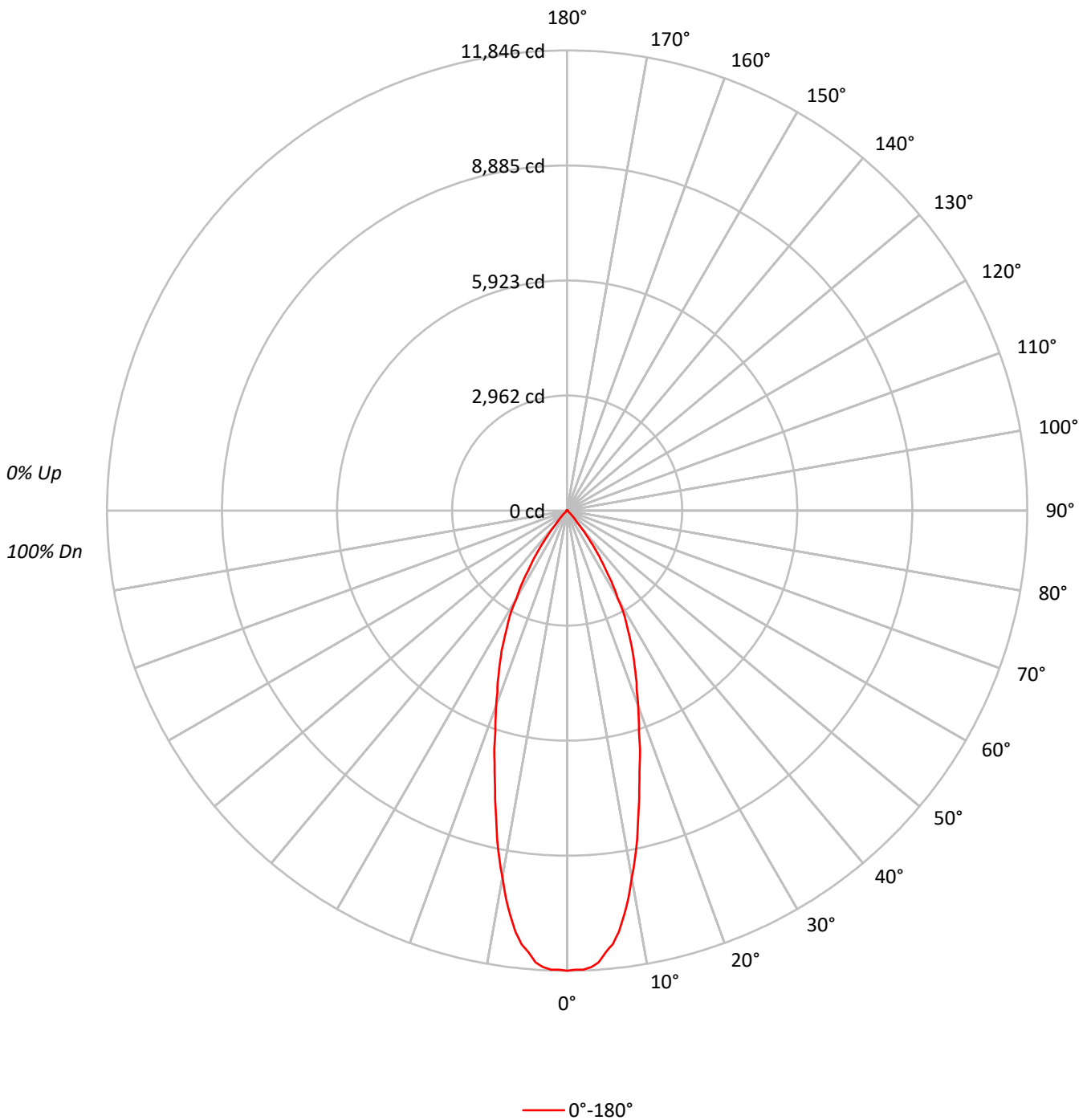
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89		92	90	87		90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83		88	85	82		86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78		84	81	78		83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74		80	76	74		79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70		77	73	70		76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67		73	69	66		72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63		70	66	63		69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	365299
5°	353264
10°	300429
15°	229298
20°	175240
25°	135800
30°	92620
35°	54415
40°	16637
45°	6546
50°	101
55°	113
60°	130
65°	299
70°	559
75°	488
80°	373
85°	2194



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1034.6	17.6
10°-20°	2004.8	34.0
20°-30°	1805.0	30.6
30°-40°	893.0	15.2
40°-50°	135.9	2.3
50°-60°	5.6	0.1
60°-70°	7.2	0.1
70°-80°	2.7	0.0
80°-90°	4.2	0.1
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°	4844.4	82.2
0°-40°	5737.5	97.4
0°-60°	5878.9	99.8
0°-90°	5893.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5893.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11846	
5°	11412	###
15°	7183	2005
25°	3991	1805
35°	1446	893
45°	150	136
55°	2	6
65°	4	7
75°	4	3
85°	6	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11846.4
1°	11821.7
2°	11827.8
3°	11768.2
4°	11659.2
5°	11412.5
6°	11223.3
7°	10923.1
8°	10520.1
9°	10100.5
10°	9594.7
11°	9142.3
12°	8657.1
13°	8120.3
14°	7657.7
15°	7182.6
16°	6777.5
17°	6419.8
18°	5979.7
19°	5656.8
20°	5340.2
21°	5011.2
22°	4770.6
23°	4490.9
24°	4233.9
25°	3991.3
26°	3705.4
27°	3448.4
28°	3218.1
29°	2965.2
30°	2601.2
31°	2395.6
32°	2136.5
33°	1852.7
34°	1636.8
35°	1445.5
37.5°	915.0
40°	413.3
42.5°	281.7
45°	150.1
47.5°	84.3
50°	2.1
52.5°	8.3
55°	2.1
57.5°	12.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	2.1
62.5°	10.3
65°	4.1
67.5°	10.3
70°	6.2
72.5°	2.1
75°	4.1
77.5°	0.0
80°	2.1
82.5°	8.3
85°	6.2
87.5°	0.0
90°	0.0

(END OF REPORT)