

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: P250019

Luminaire Tested: **LSR8B150D010 EC8B150950 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13951)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150950 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12802.0 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

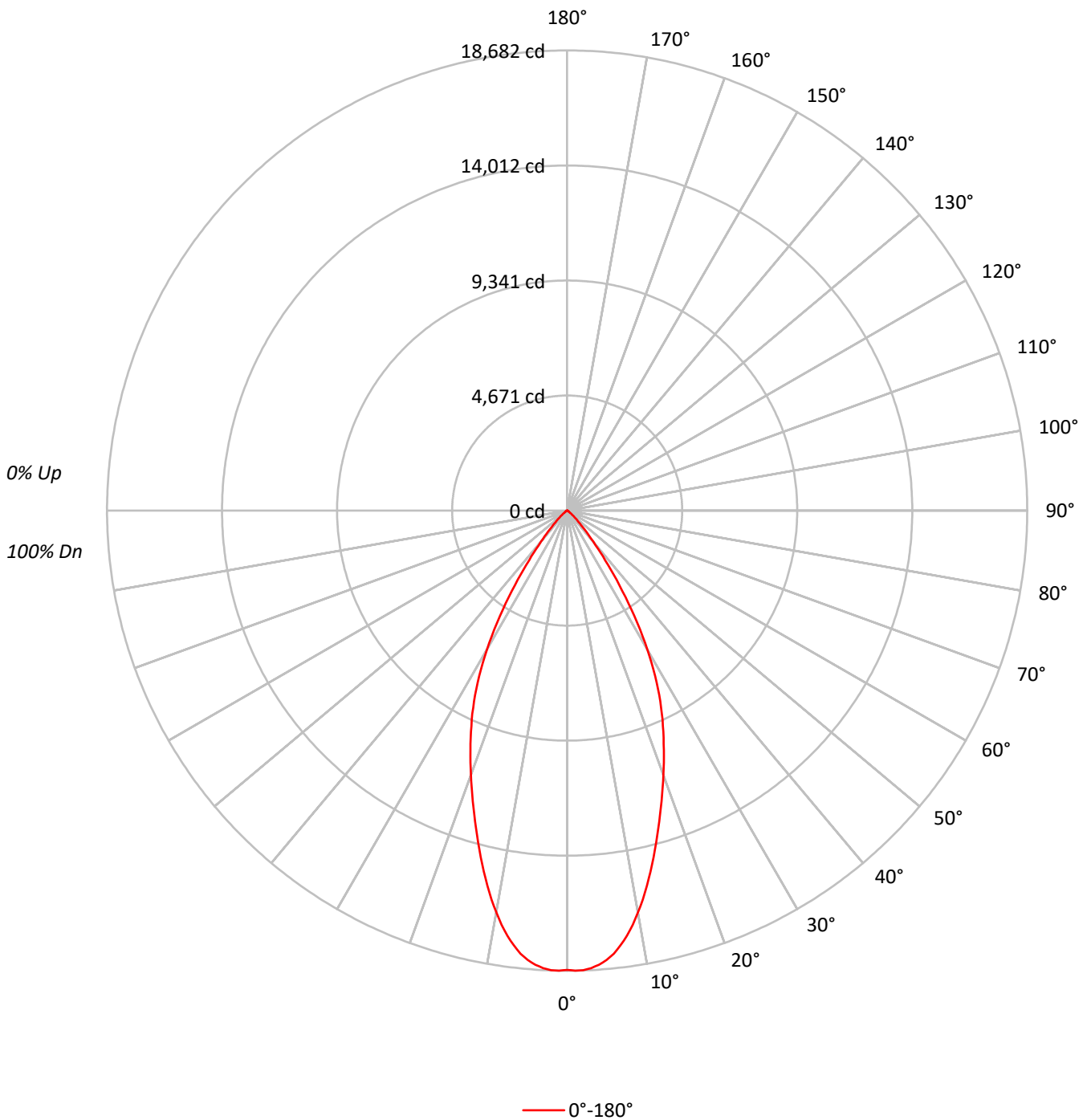
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	574986
5°	566977
10°	518705
15°	445351
20°	375030
25°	309861
30°	232419
35°	138538
40°	66004
45°	28756
50°	13039
55°	5747
60°	3293
65°	1955
70°	2011
75°	0
80°	799
85°	3149



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1692.4	13.2
10°-20°	3883.0	30.3
20°-30°	4125.2	32.2
30°-40°	2353.6	18.4
40°-50°	583.6	4.6
50°-60°	114.7	0.9
60°-70°	34.6	0.3
70°-80°	8.2	0.1
80°-90°	6.7	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°	9700.5	75.8
0°-40°	12054.2	94.2
0°-60°	12752.5	99.6
0°-90°	12802.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12802.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18646	
5°	18317	###
15°	13950	3883
25°	9107	4125
35°	3680	2354
45°	659	584
55°	107	115
65°	27	35
75°	0	8
85°	9	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	18646.4
1°	18682.2
2°	18668.7
3°	18601.9
4°	18486.1
5°	18316.7
6°	18094.1
7°	17786.5
8°	17434.5
9°	17020.3
10°	16565.7
11°	16084.6
12°	15567.6
13°	15041.9
14°	14502.8
15°	13950.3
16°	13429.0
17°	12903.3
18°	12408.7
19°	11905.3
20°	11428.5
22.5°	10247.7
25°	9107.1
27.5°	7881.9
30°	6527.4
32.5°	5074.8
35°	3680.2
37.5°	2535.2
40°	1639.7
42.5°	1038.2
45°	659.4
47.5°	432.3
50°	271.8
52.5°	164.9
55°	106.9
57.5°	84.7
60°	53.4
62.5°	49.0
65°	26.8
67.5°	26.8
70°	22.3
72.5°	13.4
75°	0.0
77.5°	4.5
80°	4.5



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	8.9
85°	8.9
87.5°	4.5
90°	0.0

(END OF REPORT)