

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: P250033

Luminaire Tested: **LSR8B150D010 EC8B150930 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250033
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 EC8B150930 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11464.5 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

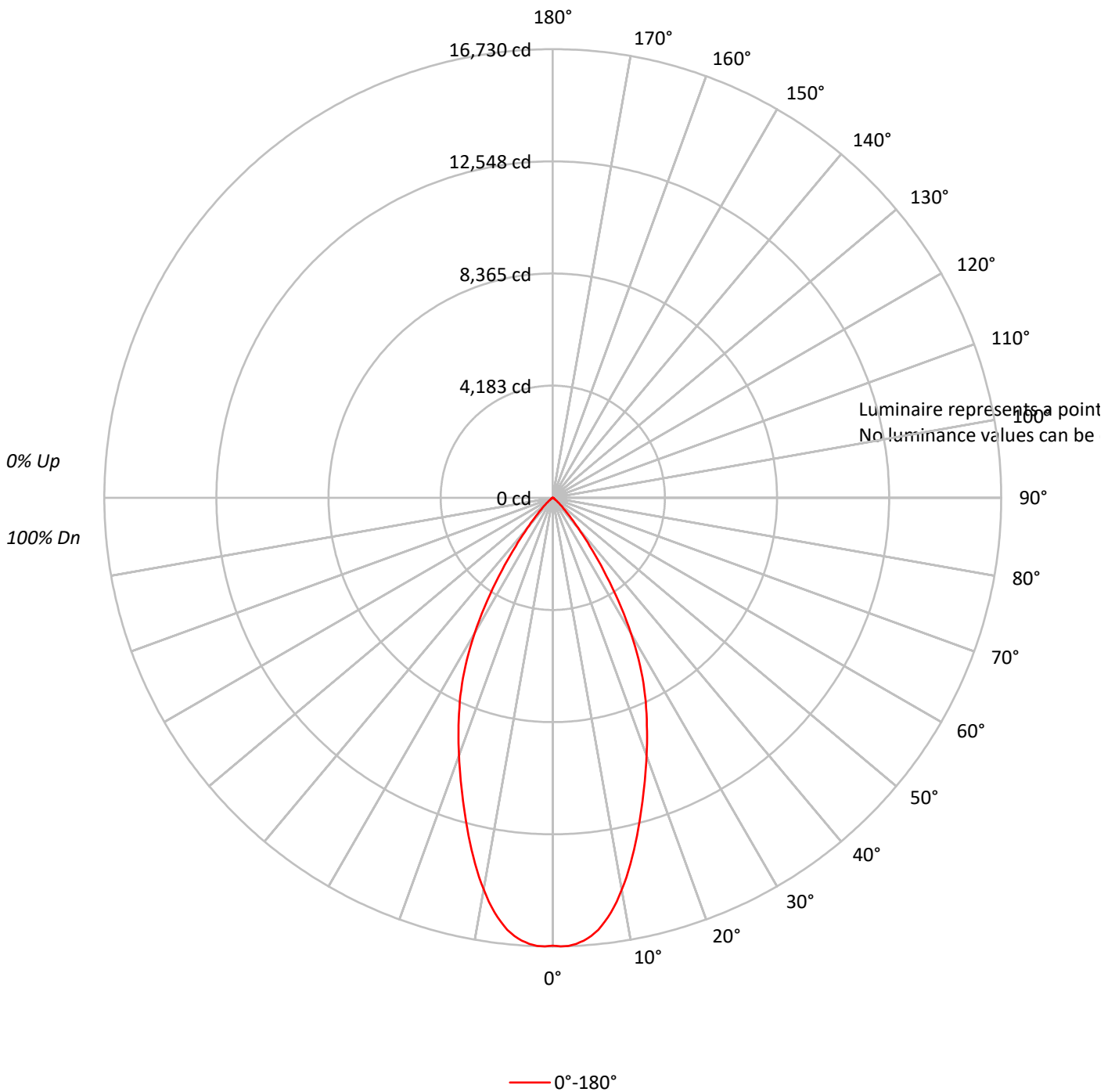
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88	88	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	89	86	84	82	82	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77	77	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72	72	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68	68	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64	64	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60	60	60
9	78	68	63	59	77	68	63	59	67	62	59	66	62	58	65	61	58	57	57	57
10	74	65	59	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54	54	54

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1515.6	13.2
10°-20°	3477.3	30.3
20°-30°	3694.2	32.2
30°-40°	2107.7	18.4
40°-50°	522.6	4.6
50°-60°	102.8	0.9
60°-70°	31.0	0.3
70°-80°	7.4	0.1
80°-90°	6.0	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°	8687.1	75.8
0°-40°	10794.8	94.2
0°-60°	11420.1	99.6
0°-90°	11464.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11464.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16698	
5°	16403	###
15°	12493	3477
25°	8156	3694
35°	3296	2108
45°	590	523
55°	96	103
65°	24	31
75°	0	7
85°	8	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	16698.3
1°	16730.3
2°	16718.3
3°	16658.4
4°	16554.7
5°	16403.0
6°	16203.6
7°	15928.2
8°	15613.0
9°	15242.0
10°	14834.9
11°	14404.2
12°	13941.2
13°	13470.4
14°	12987.6
15°	12492.8
16°	12026.0
17°	11555.2
18°	11112.2
19°	10661.4
20°	10234.5
22.5°	9177.1
25°	8155.6
27.5°	7058.5
30°	5845.5
32.5°	4544.5
35°	3295.7
37.5°	2270.2
40°	1468.4
42.5°	929.8
45°	590.5
47.5°	387.1
50°	243.4
52.5°	147.7
55°	95.7
57.5°	75.9
60°	47.9
62.5°	43.8
65°	24.0
67.5°	24.0
70°	20.1
72.5°	12.0
75°	0.0
77.5°	4.0
80°	4.0



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	8.0
85°	8.0
87.5°	4.0
90°	0.0

(END OF REPORT)