

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: P250621

Luminaire Tested: **LD8B150D010 ER8B1509730 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B150D010 ER8B1509730 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7532.0 lumens
Efficiency: N/A
Efficacy: 47.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

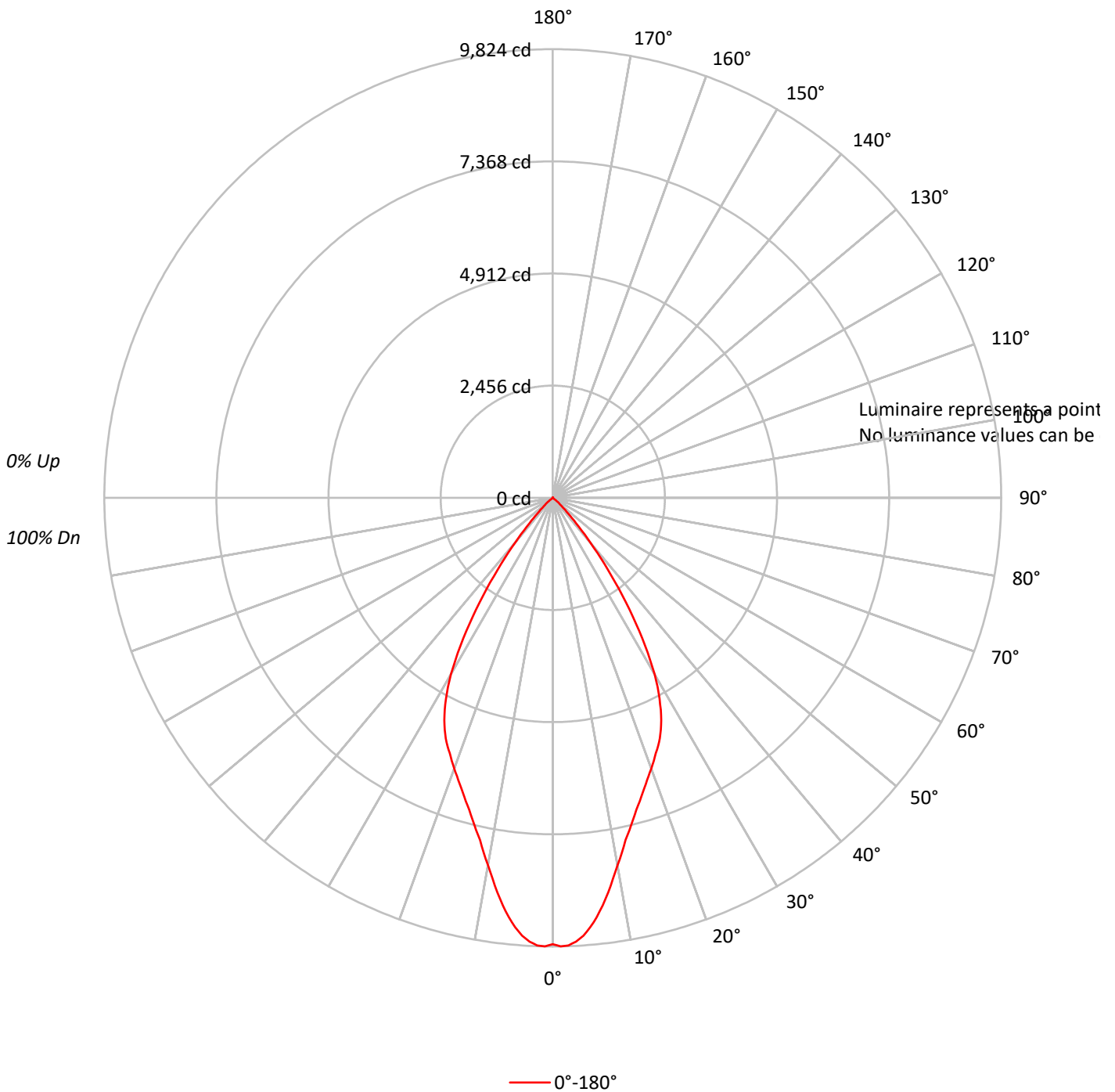
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250621

CATALOG NUMBER: LD8B150D010 ER8B1509730 8LBM0B

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	108	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86		90	87	84		88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79		85	81	78		83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74		80	76	73		79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69		76	71	68		74	71	68	66
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60		68	63	60		67	63	60	58
9	76	66	61	57	75	66	60	57	65	60	56		64	60	56		63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60	56	53	51

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	858.4	11.4
10°-20°	1993.5	26.5
20°-30°	2529.1	33.6
30°-40°	1732.6	23.0
40°-50°	394.8	5.2
50°-60°	19.7	0.3
60°-70°	0.9	0.0
70°-80°	1.5	0.0
80°-90°	1.5	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°	5381.0	71.4
0°-40°	7113.6	94.4
0°-60°	7528.1	99.9
0°-90°	7532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7532.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9773	
5°	9438	858
15°	7076	1994
25°	5602	2529
35°	2799	1733
45°	426	395
55°	7	20
65°	4	1
75°	0	1
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9773.0
1°	9824.0
2°	9805.7
3°	9733.0
4°	9609.2
5°	9438.2
6°	9230.6
7°	8990.4
8°	8724.7
9°	8440.8
10°	8171.4
11°	7923.9
12°	7658.3
13°	7465.4
14°	7261.5
15°	7075.9
16°	6908.5
17°	6744.6
18°	6591.8
19°	6442.5
20°	6307.8
21°	6169.5
22°	6027.6
23°	5903.9
24°	5765.5
25°	5601.8
26°	5419.7
27°	5208.6
28°	4983.0
29°	4731.8
30°	4455.2
31°	4142.1
32°	3818.2
33°	3479.7
34°	3133.9
35°	2799.0
37.5°	1976.4
40°	1273.9
42.5°	749.8
45°	425.9
47.5°	229.3
50°	116.5
52.5°	21.8
55°	7.3
57.5°	3.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	3.7
67.5°	0.0
70°	0.0
72.5°	3.7
75°	0.0
77.5°	0.0
80°	3.7
82.5°	0.0
85°	0.0
87.5°	3.7
90°	0.0

(END OF REPORT)