

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: P250623

Luminaire Tested: **LD8B200D010 ER8B2009730 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250623
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: LD8B200D010 ER8B2009730 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: 10024.0 lumens
Efficiency: N/A
Efficacy: 44.9 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

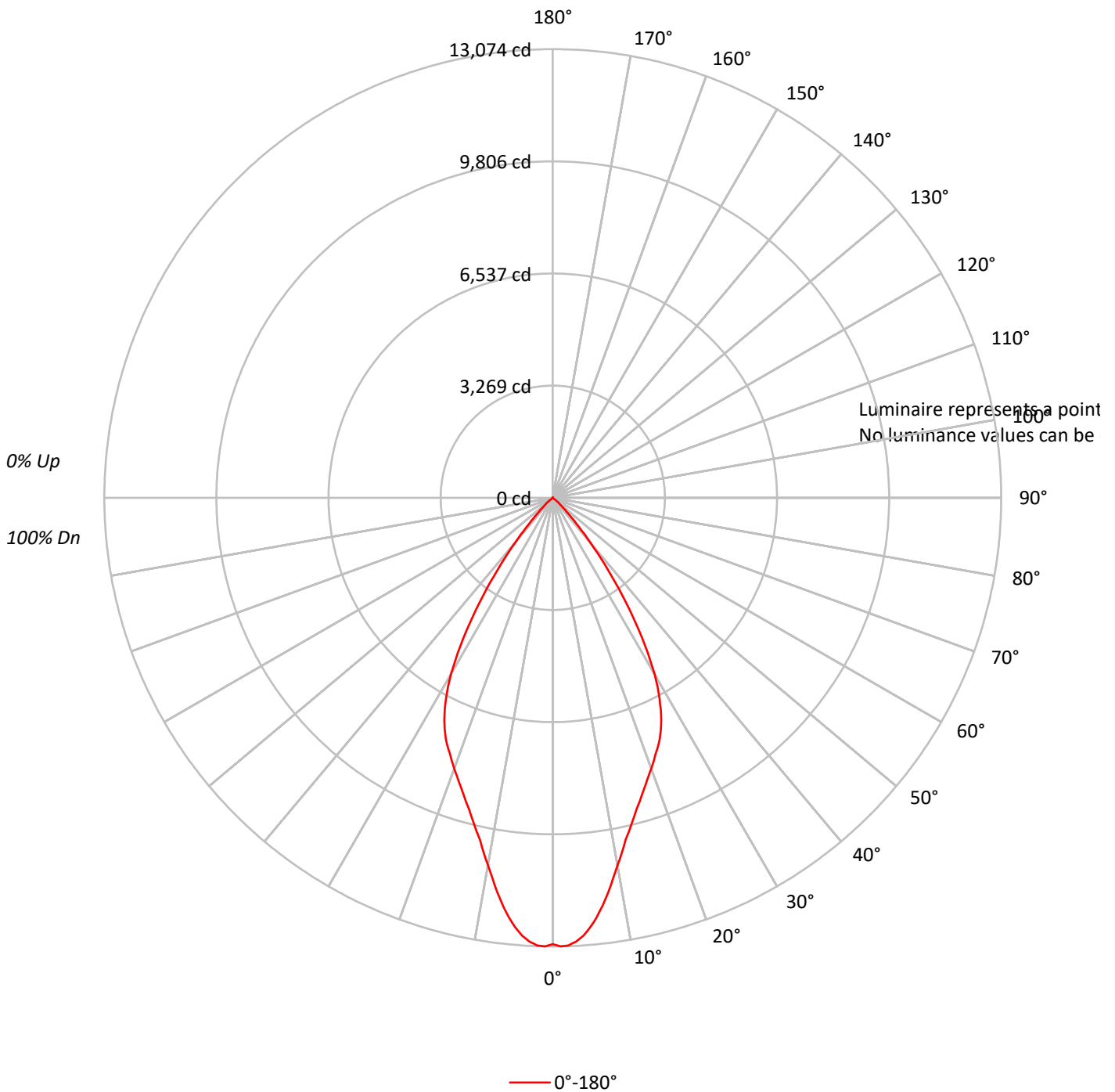
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1142.4	11.4
10°-20°	2653.1	26.5
20°-30°	3365.8	33.6
30°-40°	2305.9	23.0
40°-50°	525.5	5.2
50°-60°	26.2	0.3
60°-70°	1.2	0.0
70°-80°	1.9	0.0
80°-90°	2.0	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°	7161.4	71.4
0°-40°	9467.2	94.4
0°-60°	10018.9	99.9
0°-90°	10024.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10024.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13006	
5°	12561	###
15°	9417	2653
25°	7455	3366
35°	3725	2306
45°	567	525
55°	10	26
65°	5	1
75°	0	2
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13006.5
1°	13074.3
2°	13050.0
3°	12953.1
4°	12788.4
5°	12560.8
6°	12284.7
7°	11965.0
8°	11611.3
9°	11233.4
10°	10875.0
11°	10545.6
12°	10192.0
13°	9935.3
14°	9664.0
15°	9417.0
16°	9194.2
17°	8976.1
18°	8772.7
19°	8574.0
20°	8394.8
21°	8210.7
22°	8021.8
23°	7857.2
24°	7673.1
25°	7455.1
26°	7212.9
27°	6932.0
28°	6631.6
29°	6297.4
30°	5929.2
31°	5512.6
32°	5081.5
33°	4631.0
34°	4170.7
35°	3725.1
37.5°	2630.4
40°	1695.4
42.5°	997.9
45°	566.8
47.5°	305.2
50°	155.0
52.5°	29.0
55°	9.7
57.5°	4.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	4.9
67.5°	0.0
70°	0.0
72.5°	4.9
75°	0.0
77.5°	0.0
80°	4.9
82.5°	0.0
85°	0.0
87.5°	4.9
90°	0.0

(END OF REPORT)