

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: P250707

Luminaire Tested: **LD8B200D010 ER8B2009730 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P131425)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B2009730 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14251.0 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

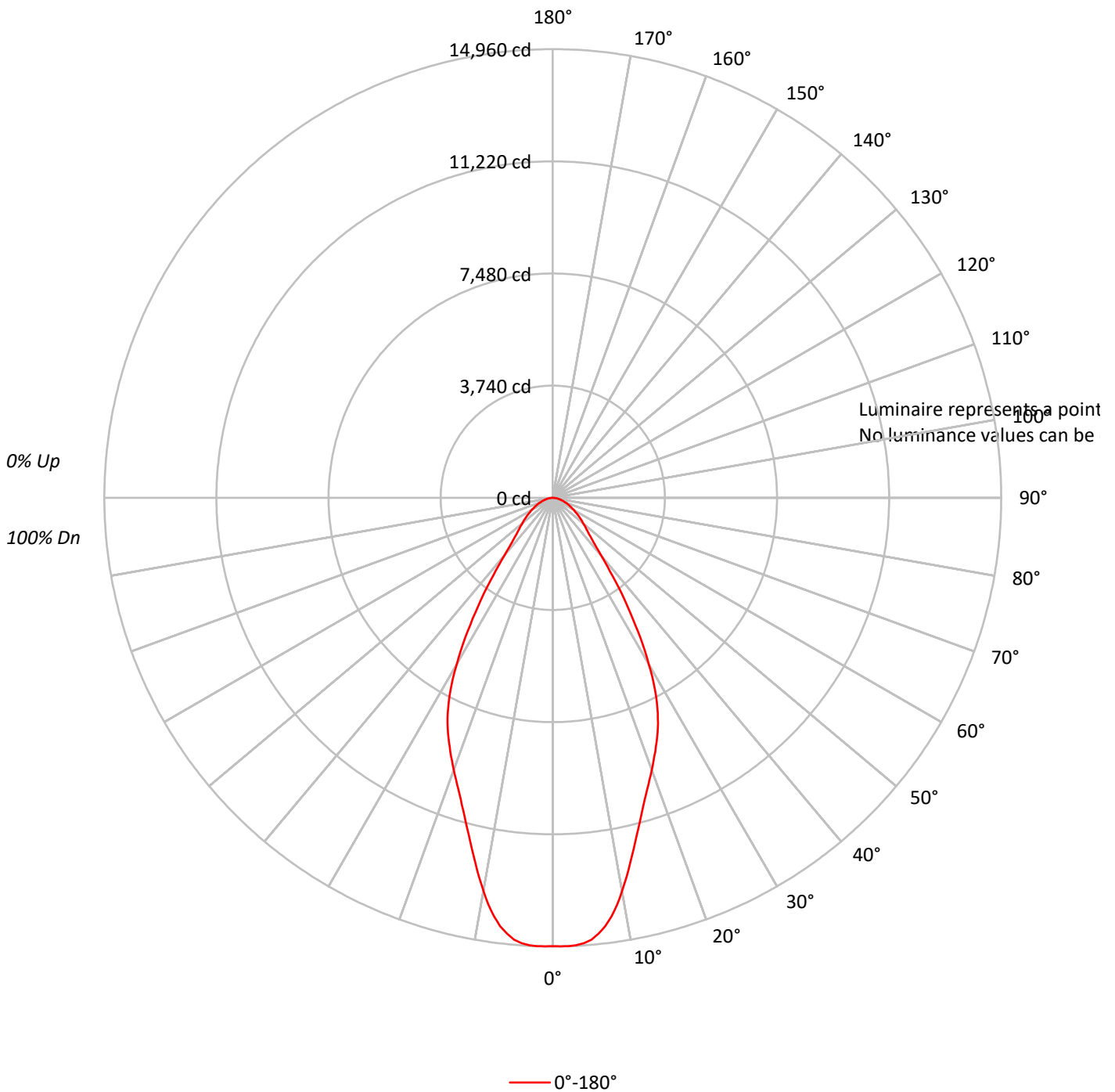
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1364.8	9.6
10°-20°	3149.2	22.1
20°-30°	3753.3	26.3
30°-40°	2649.4	18.6
40°-50°	1368.2	9.6
50°-60°	938.9	6.6
60°-70°	610.4	4.3
70°-80°	319.6	2.2
80°-90°	97.1	0.7
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°	8267.4	58.0
0°-40°	10916.8	76.6
0°-60°	13223.9	92.8
0°-90°	14251.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14251.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14951	
5°	14787	###
15°	11200	3149
25°	8308	3753
35°	4211	2649
45°	1710	1368
55°	1041	939
65°	614	610
75°	296	320
85°	82	97
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14951.2
1°	14960.3
2°	14960.3
3°	14937.5
4°	14887.6
5°	14787.4
6°	14610.2
7°	14391.9
8°	14091.7
9°	13728.1
10°	13318.8
11°	12886.8
12°	12436.5
13°	12004.6
14°	11586.3
15°	11199.8
16°	10840.6
17°	10508.6
18°	10208.4
19°	9926.5
20°	9653.7
21°	9385.4
22°	9121.7
23°	8858.0
24°	8589.7
25°	8307.8
26°	7989.3
27°	7643.7
28°	7266.4
29°	6866.3
30°	6411.5
31°	5970.5
32°	5520.2
33°	5056.4
34°	4629.0
35°	4210.8
37.5°	3242.2
40°	2496.5
42.5°	2009.9
45°	1709.7
47.5°	1496.0
50°	1327.9
52.5°	1182.3
55°	1041.3
57.5°	914.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	809.4
62.5°	704.9
65°	613.9
67.5°	532.0
70°	427.5
72.5°	368.4
75°	295.6
77.5°	240.9
80°	186.4
82.5°	136.4
85°	81.9
87.5°	45.4
90°	0.0

(END OF REPORT)