

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: P250014

Luminaire Tested: **LD8B200D010 ER8B200940 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250014
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: LD8B200D010 ER8B200940 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16456.0 lumens
Efficiency: N/A
Efficacy: 73.7 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

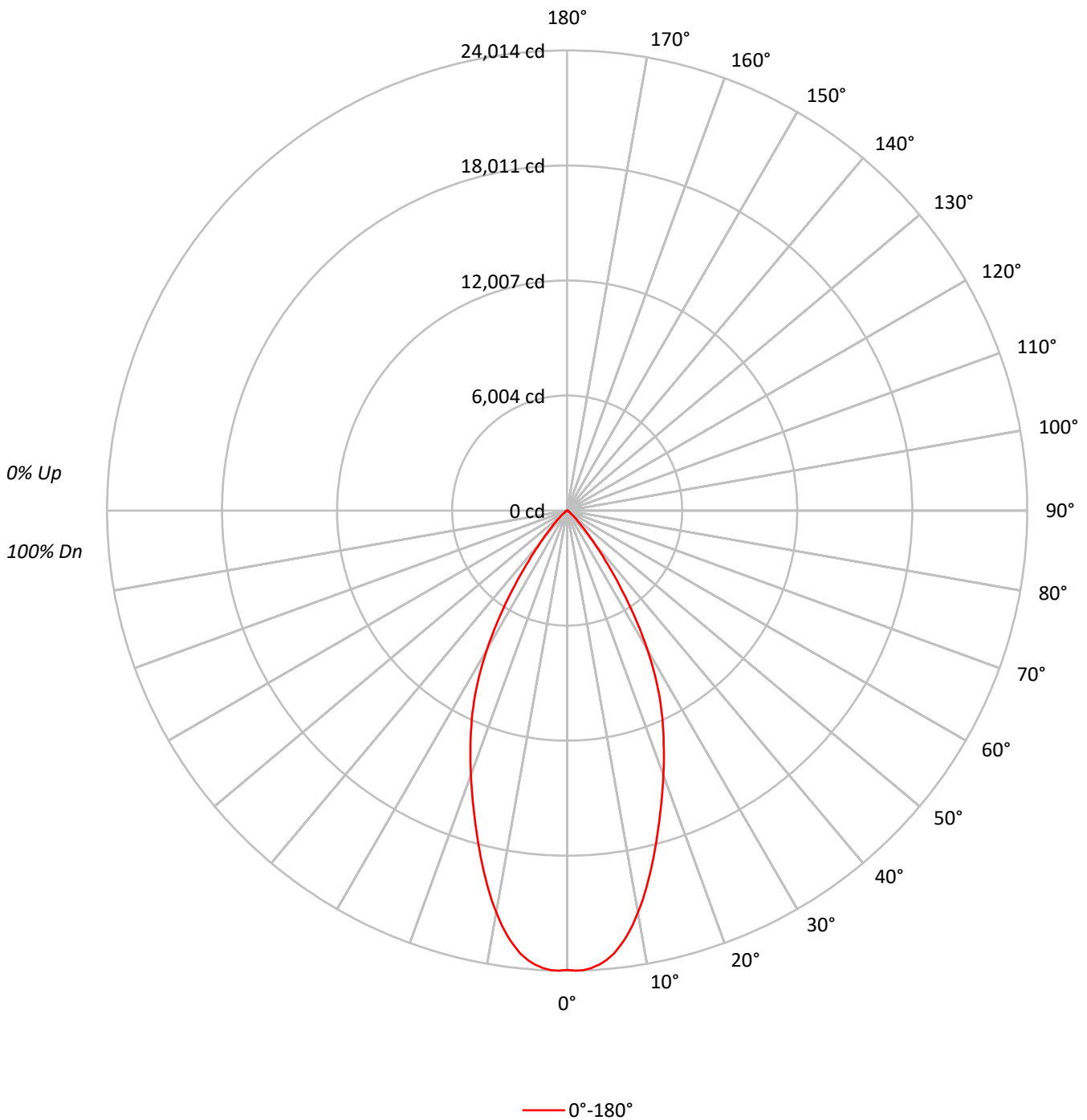
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	739100
5°	728805
10°	666755
15°	572463
20°	482073
25°	398300
30°	298758
35°	178083
40°	84843
45°	36963
50°	16762
55°	7381
60°	4237
65°	2517
70°	2588
75°	0
80°	1012
85°	4069



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2175.4	13.2
10°-20°	4991.3	30.3
20°-30°	5302.6	32.2
30°-40°	3025.4	18.4
40°-50°	750.1	4.6
50°-60°	147.5	0.9
60°-70°	44.5	0.3
70°-80°	10.5	0.1
80°-90°	8.6	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°	12469.3	75.8
0°-40°	15494.7	94.2
0°-60°	16392.3	99.6
0°-90°	16456.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16456.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23968	
5°	23545	###
15°	17932	4991
25°	11706	5303
35°	4731	3025
45°	848	750
55°	137	147
65°	34	45
75°	0	11
85°	12	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	23968.5
1°	24014.5
2°	23997.3
3°	23911.3
4°	23762.5
5°	23544.7
6°	23258.6
7°	22863.2
8°	22410.7
9°	21878.3
10°	21293.9
11°	20675.6
12°	20011.0
13°	19335.3
14°	18642.3
15°	17932.0
16°	17262.0
17°	16586.2
18°	15950.4
19°	15303.3
20°	14690.5
22.5°	13172.6
25°	11706.4
27.5°	10131.6
30°	8390.5
32.5°	6523.2
35°	4730.7
37.5°	3258.8
40°	2107.7
42.5°	1334.6
45°	847.6
47.5°	555.7
50°	349.4
52.5°	212.0
55°	137.3
57.5°	108.9
60°	68.7
62.5°	62.9
65°	34.5
67.5°	34.5
70°	28.7
72.5°	17.2
75°	0.0
77.5°	5.7
80°	5.7



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	11.5
85°	11.5
87.5°	5.7
90°	0.0

(END OF REPORT)