

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: P250791

Luminaire Tested: **LD8B200D010 ER8B2009730 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B2009730 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15765.0 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

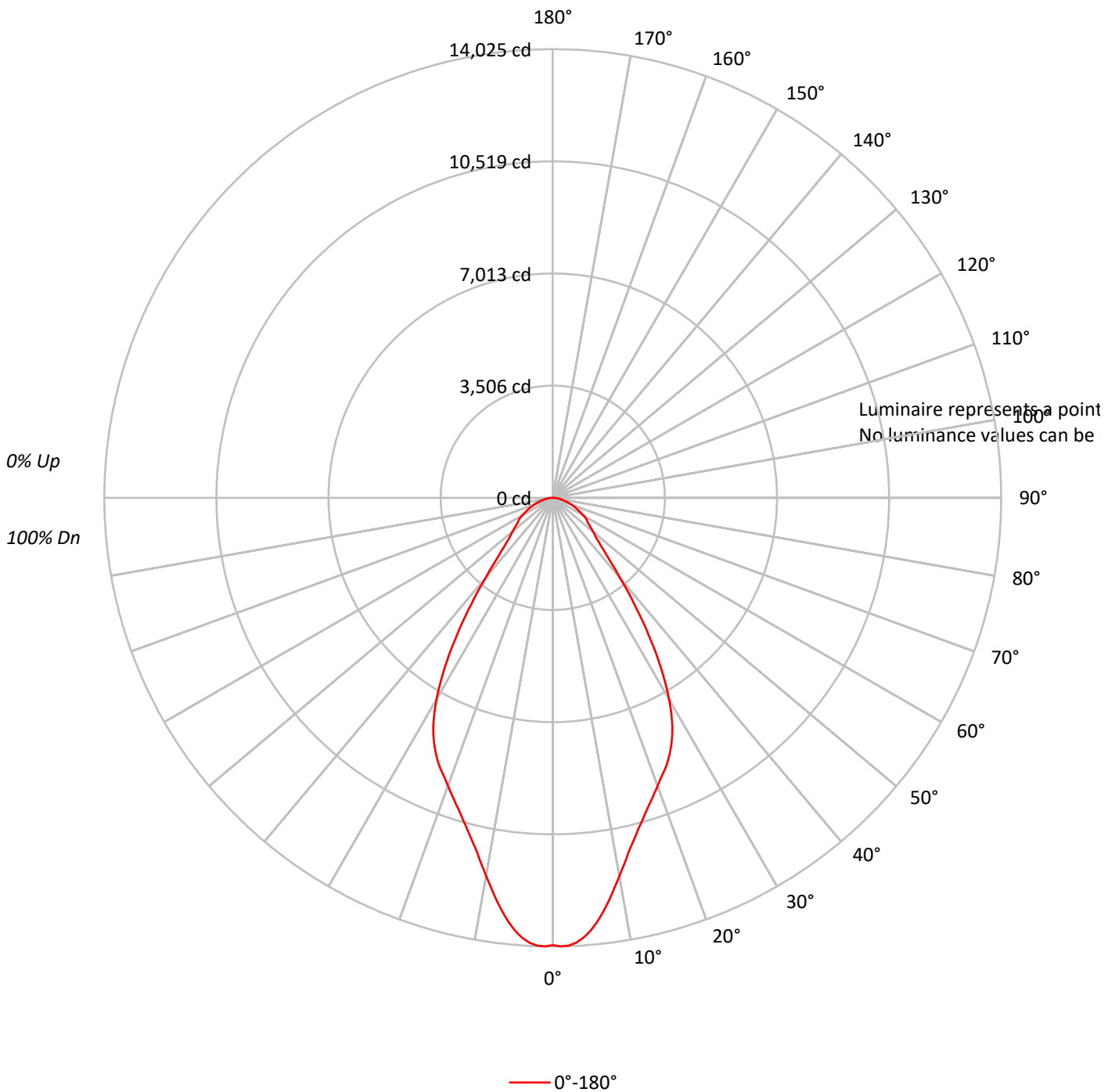
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89				89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80				80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71				71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65				65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59				59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54				54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49				49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46				46
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42				42
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39				39

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1242.8	7.9
10°-20°	2982.9	18.9
20°-30°	3952.9	25.1
30°-40°	3241.5	20.6
40°-50°	1726.4	11.0
50°-60°	1215.1	7.7
60°-70°	837.9	5.3
70°-80°	436.4	2.8
80°-90°	129.1	0.8
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°	8178.7	51.9
0°-40°	11420.2	72.4
0°-60°	14361.7	91.1
0°-90°	15765.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15765.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13984	
5°	13578	###
15°	10577	2983
25°	8707	3953
35°	5213	3241
45°	2130	1726
55°	1336	1215
65°	839	838
75°	415	436
85°	119	129
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13984.4
1°	14025.4
2°	14007.1
3°	13925.0
4°	13783.7
5°	13578.4
6°	13323.0
7°	13017.4
8°	12689.0
9°	12337.8
10°	12000.3
11°	11676.4
12°	11348.0
13°	11074.3
14°	10814.4
15°	10577.2
16°	10353.7
17°	10148.5
18°	9956.8
19°	9765.3
20°	9582.9
21°	9405.0
22°	9250.0
23°	9090.3
24°	8903.3
25°	8707.1
26°	8483.7
27°	8232.8
28°	7950.0
29°	7635.3
30°	7274.9
31°	6896.4
32°	6499.6
33°	6075.4
34°	5651.2
35°	5213.3
37.5°	4178.0
40°	3274.9
42.5°	2586.2
45°	2130.0
47.5°	1829.1
50°	1642.0
52.5°	1477.8
55°	1336.4
57.5°	1249.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	1103.8
62.5°	962.4
65°	839.3
67.5°	729.8
70°	611.1
72.5°	510.8
75°	415.1
77.5°	301.0
80°	246.3
82.5°	177.9
85°	118.6
87.5°	54.7
90°	0.0

(END OF REPORT)