

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: P248047

Luminaire Tested: **LD8B200D010 ER8B200950 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13941)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200950 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18847.0 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

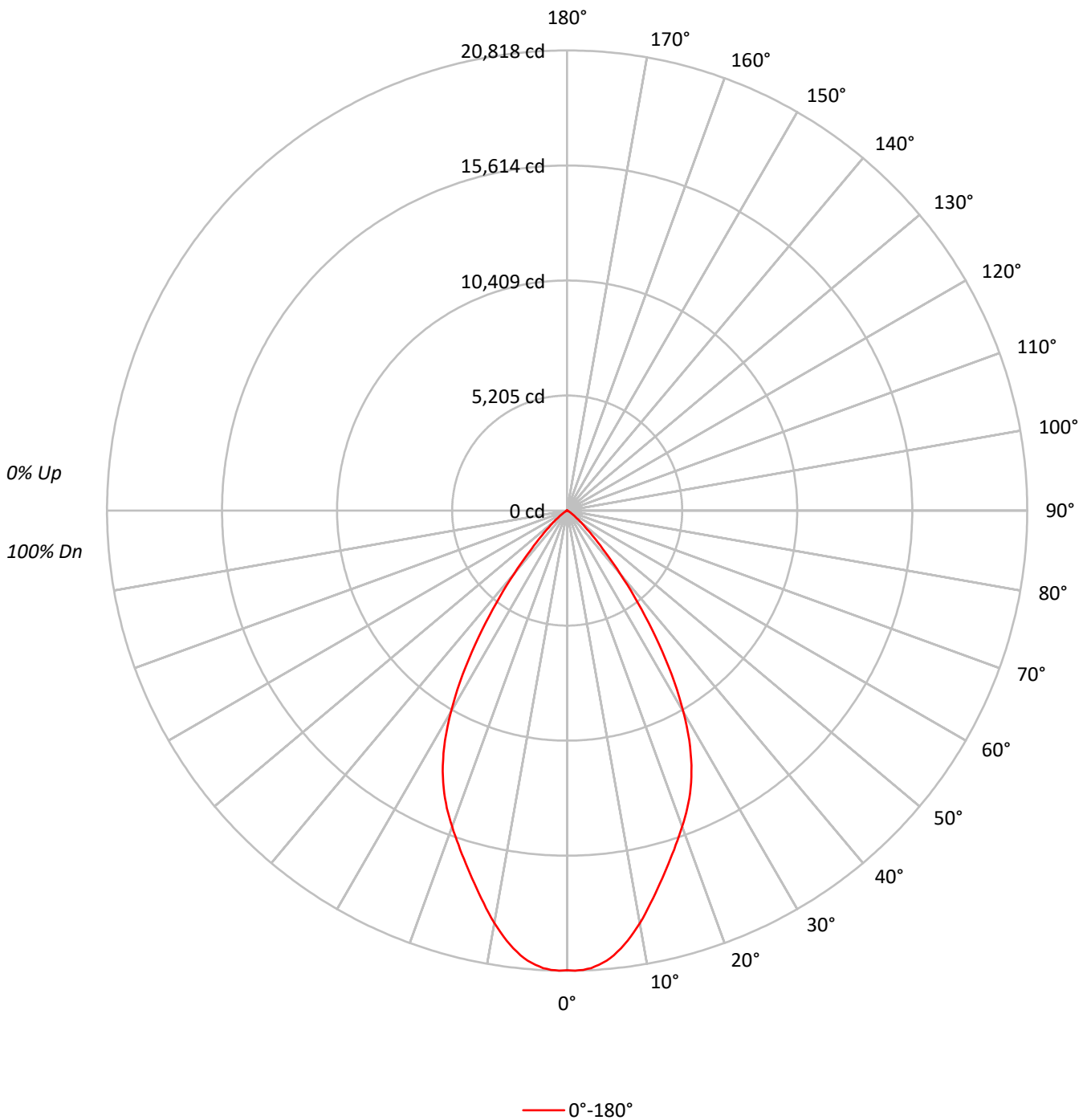
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	641065
5°	632813
10°	593231
15°	542493
20°	499413
25°	452548
30°	374732
35°	262813
40°	149564
45°	73355
50°	36200
55°	16413
60°	7814
65°	4203
70°	523
75°	691
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1902.5	10.1
10°-20°	4770.3	25.3
20°-30°	6021.8	32.0
30°-40°	4332.0	23.0
40°-50°	1433.8	7.6
50°-60°	312.3	1.7
60°-70°	64.4	0.3
70°-80°	6.9	0.0
80°-90°	3.2	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°	12694.6	67.4
0°-40°	17026.6	90.3
0°-60°	18772.6	99.6
0°-90°	18847.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18847.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20789	
5°	20444	###
15°	16993	4770
25°	13301	6022
35°	6982	4332
45°	1682	1434
55°	305	312
65°	58	64
75°	6	7
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	20789.3
1°	20818.0
2°	20794.9
3°	20725.9
4°	20599.2
5°	20443.6
6°	20230.4
7°	19954.0
8°	19648.6
9°	19314.6
10°	18945.8
11°	18571.5
12°	18162.5
13°	17770.8
14°	17373.3
15°	16993.2
16°	16618.7
17°	16261.5
18°	15904.5
19°	15564.5
20°	15218.9
21°	14867.5
22°	14521.9
23°	14147.4
24°	13744.3
25°	13300.8
26°	12834.1
27°	12315.7
28°	11768.5
29°	11157.8
30°	10524.2
31°	9856.0
32°	9153.3
33°	8416.0
34°	7695.9
35°	6981.5
37.5°	5242.0
40°	3715.5
42.5°	2517.3
45°	1682.1
47.5°	1129.0
50°	754.6
52.5°	455.1
55°	305.3
57.5°	213.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	126.7
62.5°	86.4
65°	57.6
67.5°	51.9
70°	5.8
72.5°	11.6
75°	5.8
77.5°	5.8
80°	0.0
82.5°	11.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)