

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: P249818

Luminaire Tested: **LD8B200D010 ER8B200850 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249818
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13959)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200850 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19212.0 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.81
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

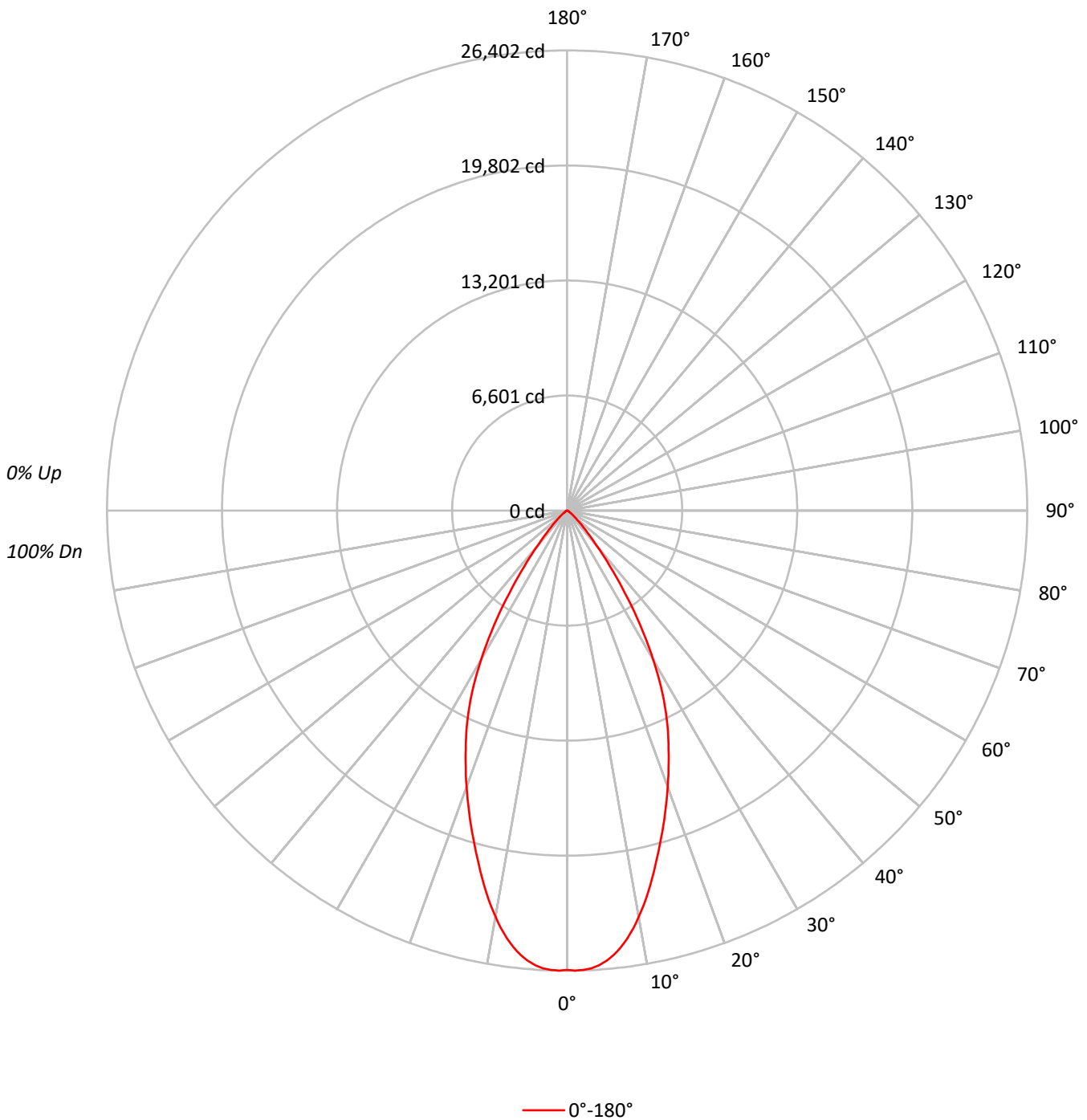
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80		85	82	79		83	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	68	67
7	84	75	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	65	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	57		64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54		62	57	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	812552
5°	802575
10°	741215
15°	646323
20°	553637
25°	463429
30°	352571
35°	218555
40°	107824
45°	51319
50°	24951
55°	12236
60°	7617
65°	5217
70°	2930
75°	2323
80°	2309
85°	2300



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2402.9	12.5
10°-20°	5641.2	29.4
20°-30°	6165.6	32.1
30°-40°	3669.0	19.1
40°-50°	1006.4	5.2
50°-60°	228.0	1.2
60°-70°	70.4	0.4
70°-80°	21.4	0.1
80°-90°	7.1	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°	14209.7	74.0
0°-40°	17878.7	93.1
0°-60°	19113.1	99.5
0°-90°	19212.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19212.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	26350	
5°	25928	###
15°	20246	5641
25°	13621	6166
35°	5806	3669
45°	1177	1006
55°	228	228
65°	72	70
75°	20	21
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	26350.5
1°	26402.5
2°	26370.0
3°	26305.0
4°	26155.5
5°	25927.9
6°	25635.3
7°	25245.3
8°	24790.2
9°	24263.5
10°	23671.9
11°	23041.3
12°	22365.1
13°	21669.4
14°	20947.8
15°	20245.6
16°	19556.5
17°	18880.3
18°	18204.1
19°	17528.0
20°	16871.3
22.5°	15220.0
25°	13620.6
27.5°	11858.7
30°	9901.8
32.5°	7801.8
35°	5805.8
37.5°	4037.4
40°	2678.6
42.5°	1755.4
45°	1176.8
47.5°	780.2
50°	520.1
52.5°	318.6
55°	227.6
57.5°	162.5
60°	123.5
62.5°	91.0
65°	71.5
67.5°	45.5
70°	32.5
72.5°	26.0
75°	19.5
77.5°	13.0
80°	13.0



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	6.5
85°	6.5
87.5°	6.5
90°	0.0

(END OF REPORT)