

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: P247851

Luminaire Tested: **LD8B175D010 ER8B175850 8LBMOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-90)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175850 8LBM0LI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18984.0 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

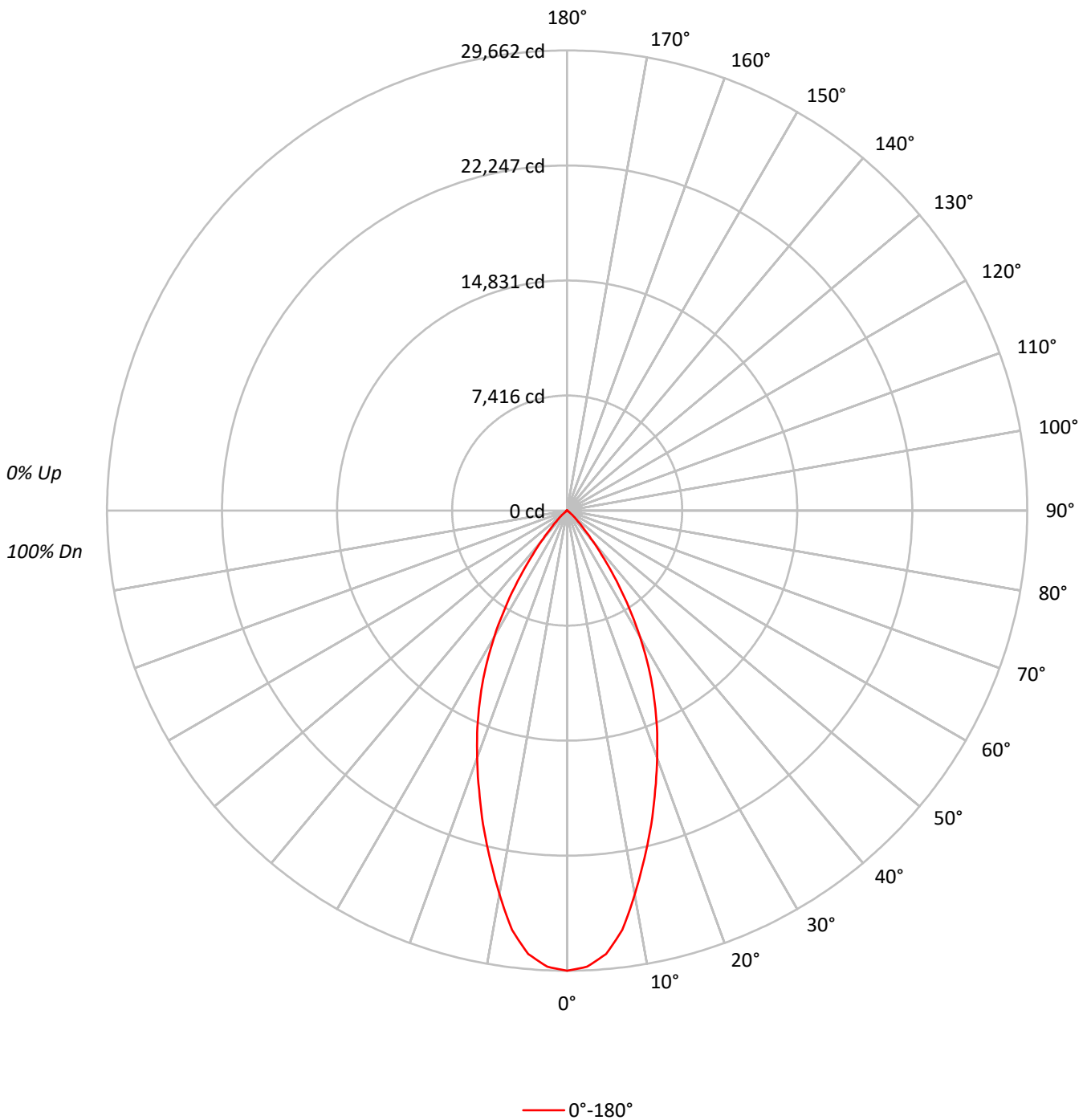
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	102	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	86	82	88	84	81	86	83	80	84	81	79	78
5	94	86	81	77	92	85	80	76	83	79	76	82	78	75	80	77	74	73
6	90	81	76	72	88	80	75	71	79	74	71	78	73	70	76	73	70	68
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61
9	78	69	63	60	77	68	63	59	68	63	59	67	62	59	66	62	59	58
10	75	66	60	56	74	65	60	56	64	59	56	64	59	56	63	59	56	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	914651
5°	888411
10°	786245
15°	668286
20°	556420
25°	449993
30°	334432
35°	208748
40°	102797
45°	43487
50°	15745
55°	4855
60°	2609
65°	1087
70°	1136
75°	274
80°	408
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2624.9	13.8
10°-20°	5822.6	30.7
20°-30°	6014.9	31.7
30°-40°	3506.5	18.5
40°-50°	878.7	4.6
50°-60°	106.5	0.6
60°-70°	22.2	0.1
70°-80°	2.8	0.0
80°-90°	4.7	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°	14462.4	76.2
0°-40°	17969.0	94.7
0°-60°	18954.2	99.8
0°-90°	18984.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18984.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	29662	
5°	28701	###
15°	20934	5823
25°	13226	6015
35°	5545	3507
45°	997	879
55°	90	106
65°	15	22
75°	2	3
85°	0	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	29661.5
2.5°	29431.7
5°	28700.9
7.5°	27262.3
10°	25110.0
12.5°	22978.3
15°	20933.6
17.5°	18882.0
20°	16956.1
22.5°	15105.8
25°	13225.7
27.5°	11355.9
30°	9392.4
32.5°	7455.1
35°	5545.3
37.5°	3896.2
40°	2553.7
42.5°	1609.0
45°	997.2
47.5°	608.4
50°	328.2
52.5°	160.1
55°	90.3
57.5°	49.2
60°	42.3
62.5°	29.7
65°	14.9
67.5°	18.3
70°	12.6
72.5°	0.0
75°	2.3
77.5°	1.1
80°	2.3
82.5°	3.4
85°	0.0
87.5°	12.6
90°	0.0

(END OF REPORT)