

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: P247864

Luminaire Tested: **LD8B200D010 ER8B200940 8LBMOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247864
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: LD8B200D010 ER8B200940 8LBM0LI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19677.0 lumens
Efficiency: N/A
Efficacy: 88.1 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

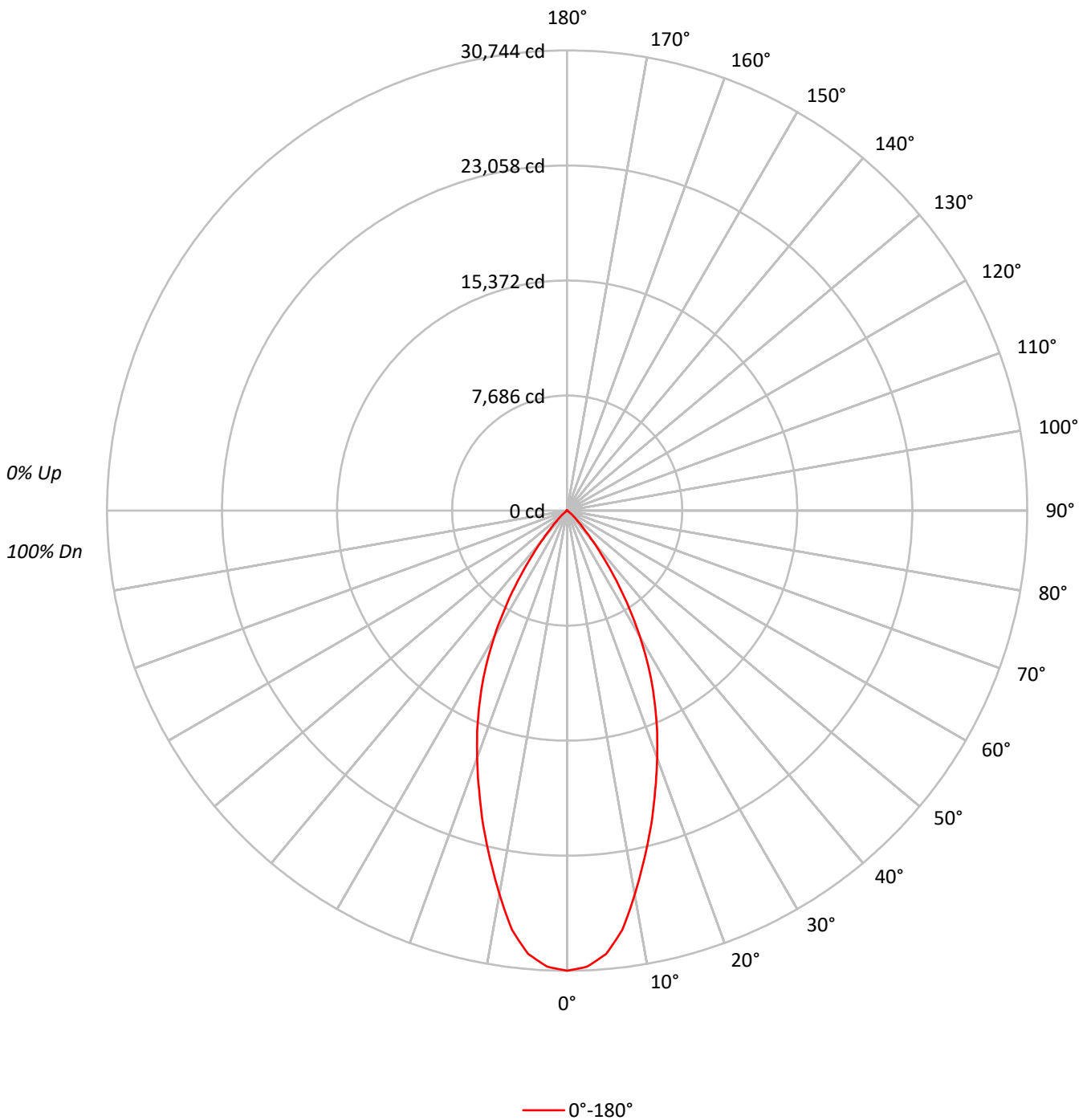
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	948041
5°	920841
10°	814945
15°	692680
20°	576733
25°	466419
30°	346638
35°	216368
40°	106548
45°	45074
50°	16320
55°	5032
60°	2707
65°	1124
70°	1172
75°	286
80°	426
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2720.8	13.8
10°-20°	6035.2	30.7
20°-30°	6234.4	31.7
30°-40°	3634.6	18.5
40°-50°	910.8	4.6
50°-60°	110.4	0.6
60°-70°	23.1	0.1
70°-80°	3.0	0.0
80°-90°	4.9	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°	14990.4	76.2
0°-40°	18624.9	94.7
0°-60°	19646.1	99.8
0°-90°	19677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19677.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	30744	
5°	29749	###
15°	21698	6035
25°	13708	6234
35°	5748	3635
45°	1034	911
55°	94	110
65°	15	23
75°	2	3
85°	0	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	30744.3
2.5°	30506.1
5°	29748.6
7.5°	28257.5
10°	26026.6
12.5°	23817.1
15°	21697.7
17.5°	19571.2
20°	17575.1
22.5°	15657.2
25°	13708.5
27.5°	11770.5
30°	9735.2
32.5°	7727.3
35°	5747.7
37.5°	4038.5
40°	2646.9
42.5°	1667.8
45°	1033.6
47.5°	630.6
50°	340.2
52.5°	165.9
55°	93.6
57.5°	51.0
60°	43.9
62.5°	30.8
65°	15.4
67.5°	19.0
70°	13.0
72.5°	0.0
75°	2.4
77.5°	1.2
80°	2.4
82.5°	3.6
85°	0.0
87.5°	13.0
90°	0.0

(END OF REPORT)