

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: P247852

Luminaire Tested: **LD8B200D010 ER8B200850 8LBMOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247852
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 ER8B200850 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: 22377.0 lumens
Efficiency: N/A
Efficacy: 100.2 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

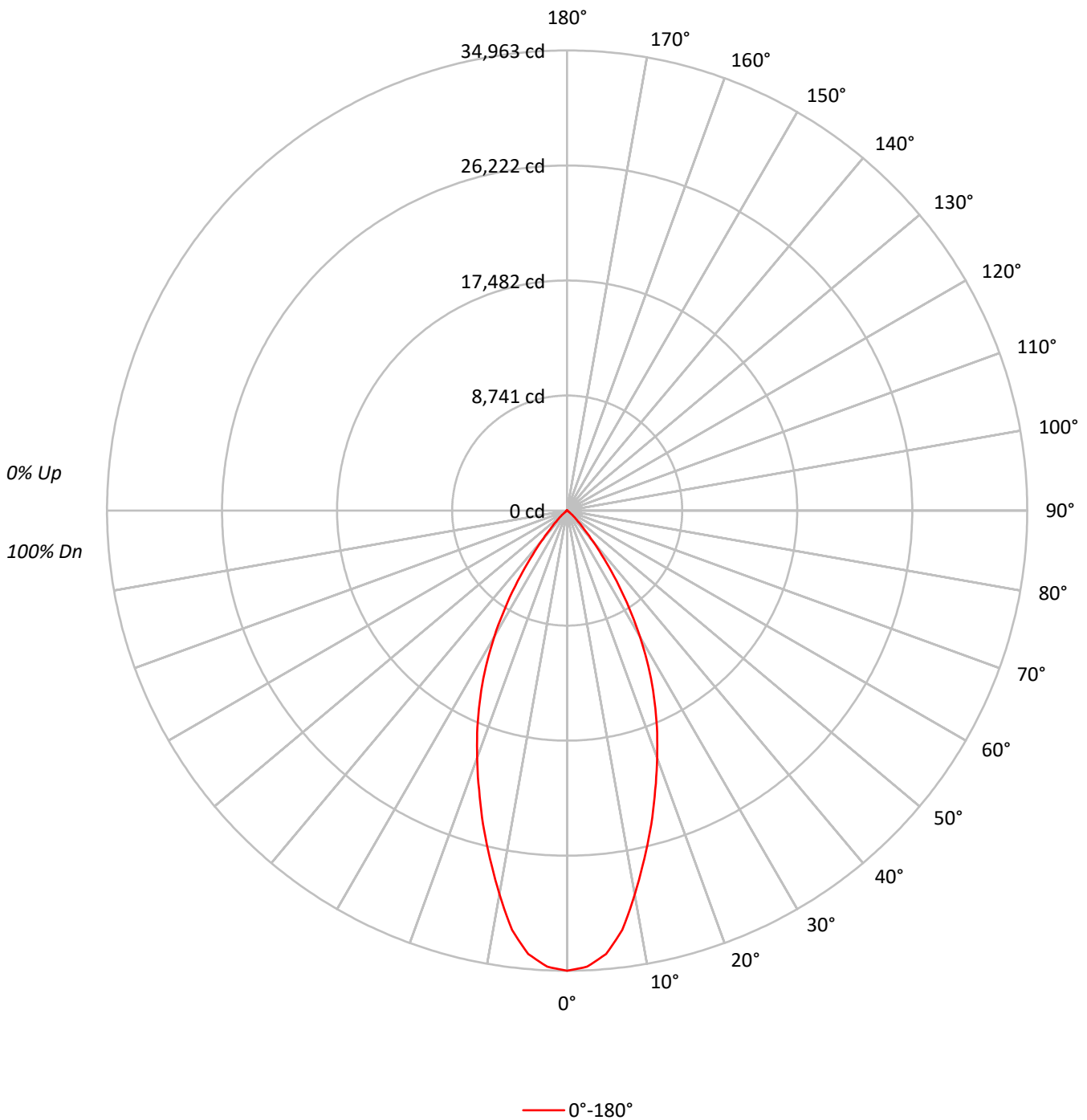
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1078127
5°	1047196
10°	926770
15°	787727
20°	655870
25°	530419
30°	394205
35°	246057
40°	121168
45°	51263
50°	18561
55°	5726
60°	3077
65°	1277
70°	1334
75°	322
80°	479
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3094.1	13.8
10°-20°	6863.3	30.7
20°-30°	7089.9	31.7
30°-40°	4133.3	18.5
40°-50°	1035.8	4.6
50°-60°	125.6	0.6
60°-70°	26.2	0.1
70°-80°	3.3	0.0
80°-90°	5.5	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°	17047.3	76.2
0°-40°	21180.6	94.7
0°-60°	22341.9	99.8
0°-90°	22377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22377.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	34963	
5°	33831	###
15°	24675	6863
25°	15590	7090
35°	6536	4133
45°	1176	1036
55°	106	126
65°	18	26
75°	3	3
85°	0	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	34962.9
2.5°	34692.0
5°	33830.6
7.5°	32134.8
10°	29597.9
12.5°	27085.2
15°	24675.0
17.5°	22256.7
20°	19986.7
22.5°	17805.7
25°	15589.5
27.5°	13385.6
30°	11071.1
32.5°	8787.6
35°	6536.4
37.5°	4592.6
40°	3010.1
42.5°	1896.6
45°	1175.5
47.5°	717.1
50°	386.9
52.5°	188.7
55°	106.5
57.5°	58.0
60°	49.9
62.5°	35.0
65°	17.5
67.5°	21.6
70°	14.8
72.5°	0.0
75°	2.7
77.5°	1.3
80°	2.7
82.5°	4.0
85°	0.0
87.5°	14.8
90°	0.0

(END OF REPORT)