

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: P247993

Luminaire Tested: **LD8B200D010 ER8B200840 8LBW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247993  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-71)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B200840 8LBW0WMH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 4000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20952.0 lumens  
Efficiency: N/A  
Efficacy: 93.8 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

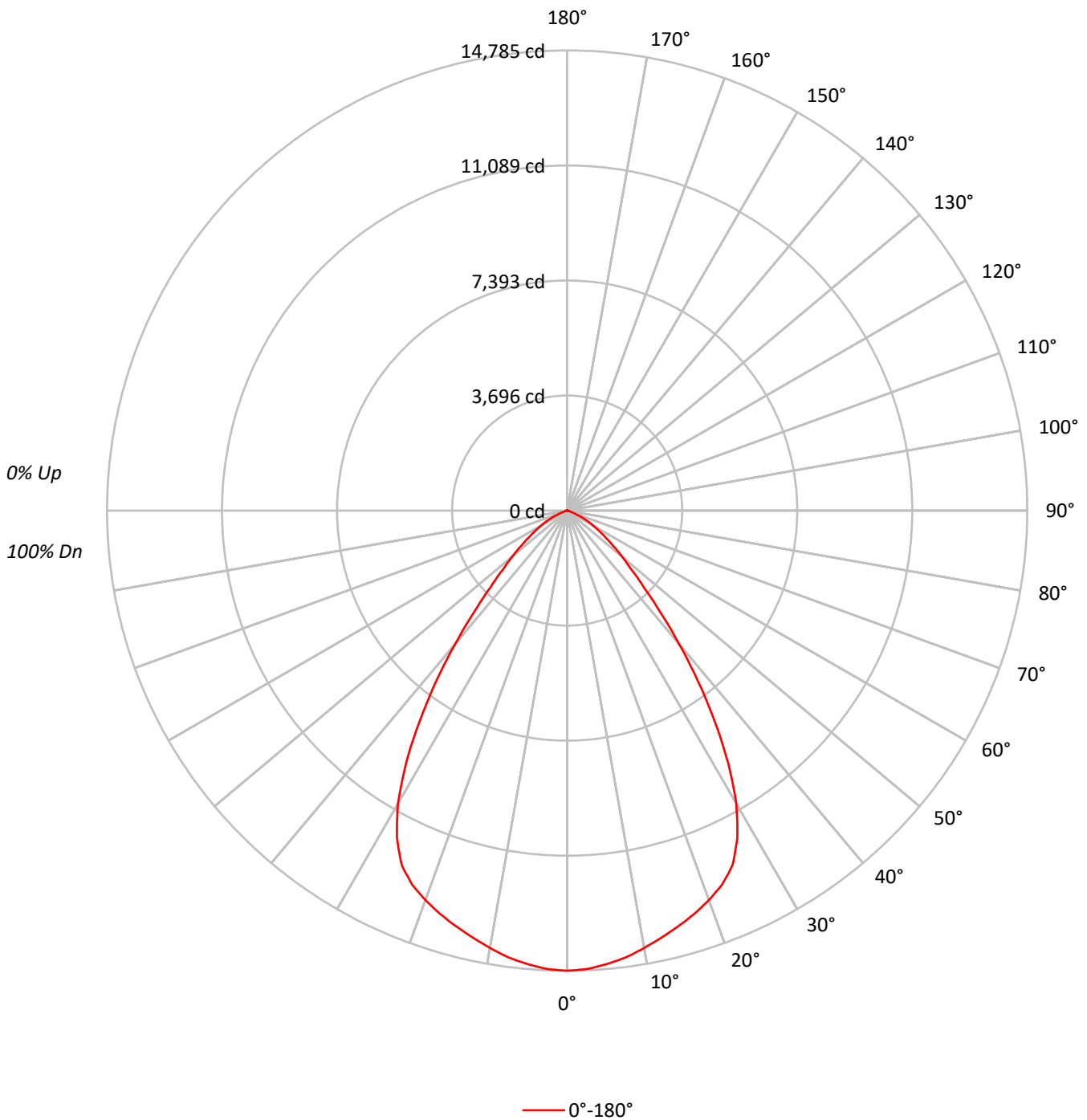
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P247993

CATALOG NUMBER: LD8B200D010 ER8B200840 8LBW0WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P247993

CATALOG NUMBER: LD8B200D010 ER8B200840 8LBW0WMH

**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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47
9	68	57	50	46	67	56	50	46	55	49	45	54	49	45	54	49	45	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	455903
5°	452815
10°	446791
15°	441300
20°	436959
25°	427819
30°	387034
35°	311329
40°	225189
45°	152161
50°	110745
55°	81035
60°	60094
65°	40036
70°	17761
75°	8030
80°	5629
85°	6545



TEST NUMBER: P247993

CATALOG NUMBER: LD8B200D010 ER8B200840 8LBW0WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1385.4	6.6
10°-20°	3901.6	18.6
20°-30°	5697.7	27.2
30°-40°	5124.2	24.5
40°-50°	2802.4	13.4
50°-60°	1389.3	6.6
60°-70°	548.6	2.6
70°-80°	88.4	0.4
80°-90°	14.4	0.1
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°	10984.6	52.4
0°-40°	16108.8	76.9
0°-60°	20300.6	96.9
0°-90°	20952.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20952.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14785	
5°	14629	###
15°	13823	3902
25°	12574	5698
35°	8270	5124
45°	3489	2802
55°	1507	1389
65°	549	549
75°	67	88
85°	18	14
90°	0	



TEST NUMBER: P247993

CATALOG NUMBER: LD8B200D010 ER8B200840 8LBW0WMH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14784.6
2.5°	14743.7
5°	14628.6
7.5°	14479.2
10°	14269.0
12.5°	14045.5
15°	13823.4
17.5°	13585.4
20°	13315.7
22.5°	13007.6
25°	12574.0
27.5°	11844.1
30°	10869.7
32.5°	9641.4
35°	8270.3
37.5°	6901.8
40°	5594.2
42.5°	4416.1
45°	3489.2
47.5°	2796.4
50°	2308.5
52.5°	1878.8
55°	1507.3
57.5°	1217.7
60°	974.4
62.5°	770.8
65°	548.7
67.5°	326.6
70°	197.0
72.5°	111.1
75°	67.4
77.5°	43.6
80°	31.7
82.5°	10.6
85°	18.5
87.5°	7.9
90°	0.0

(END OF REPORT)