

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: P247987

Luminaire Tested: **LD8B200D010 ER8B200830 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247987
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 ER8B200830 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20281.0 lumens
Efficiency: N/A
Efficacy: 90.8 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

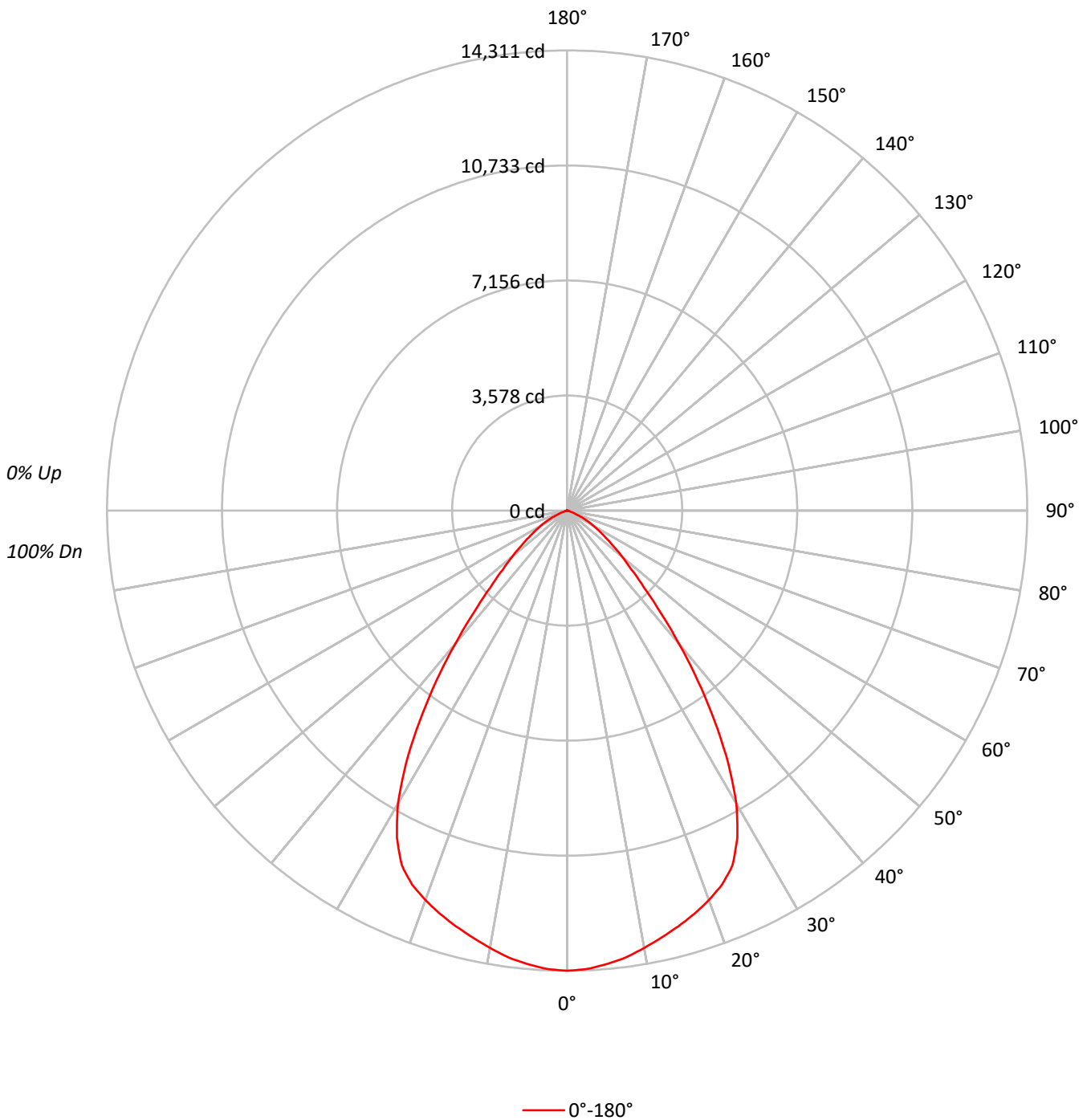
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	441305
5°	438313
10°	432482
15°	427167
20°	422967
25°	414118
30°	374640
35°	301357
40°	217975
45°	147290
50°	107200
55°	78438
60°	58170
65°	38752
70°	17193
75°	7780
80°	5452
85°	6333



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1341.0	6.6
10°-20°	3776.6	18.6
20°-30°	5515.2	27.2
30°-40°	4960.1	24.5
40°-50°	2712.7	13.4
50°-60°	1344.8	6.6
60°-70°	531.0	2.6
70°-80°	85.6	0.4
80°-90°	13.9	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°	10632.8	52.4
0°-40°	15592.9	76.9
0°-60°	19650.5	96.9
0°-90°	20281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20281.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14311	
5°	14160	###
15°	13381	3777
25°	12171	5515
35°	8005	4960
45°	3378	2713
55°	1459	1345
65°	531	531
75°	65	86
85°	18	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14311.2
2.5°	14271.5
5°	14160.1
7.5°	14015.5
10°	13812.0
12.5°	13595.7
15°	13380.7
17.5°	13150.3
20°	12889.3
22.5°	12591.1
25°	12171.3
27.5°	11464.8
30°	10521.6
32.5°	9332.6
35°	8005.4
37.5°	6680.8
40°	5415.0
42.5°	4274.7
45°	3377.5
47.5°	2706.9
50°	2234.6
52.5°	1818.7
55°	1459.0
57.5°	1178.7
60°	943.2
62.5°	746.1
65°	531.1
67.5°	316.1
70°	190.7
72.5°	107.5
75°	65.3
77.5°	42.2
80°	30.7
82.5°	10.2
85°	17.9
87.5°	7.7
90°	0.0

(END OF REPORT)