

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: P249902

Luminaire Tested: **LD8B200D010 ER8B200850 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200850 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21252.0 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

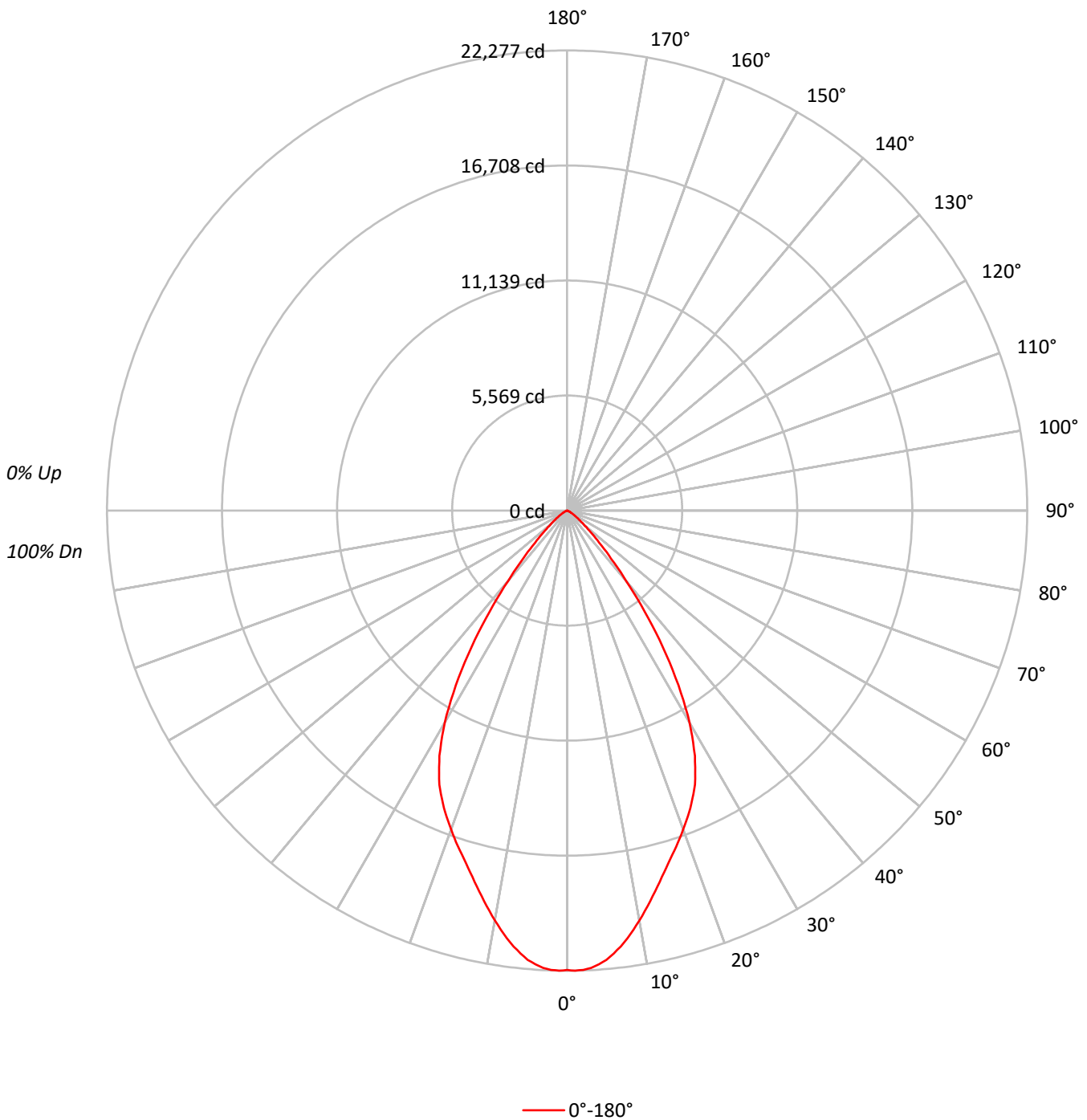
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56	64	60	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	685923
5°	675824
10°	630715
15°	578931
20°	539195
25°	498167
30°	422452
35°	303905
40°	179029
45°	95674
50°	49920
55°	28150
60°	15535
65°	9186
70°	4183
75°	2371
80°	1172
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2027.9	9.5
10°-20°	5102.2	24.0
20°-30°	6623.8	31.2
30°-40°	4999.5	23.5
40°-50°	1829.4	8.6
50°-60°	511.4	2.4
60°-70°	134.4	0.6
70°-80°	22.6	0.1
80°-90°	0.9	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°	13753.9	64.7
0°-40°	18753.4	88.2
0°-60°	21094.1	99.3
0°-90°	21252.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21252.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22244	
5°	21833	###
15°	18135	5102
25°	14642	6624
35°	8073	4999
45°	2194	1829
55°	524	511
65°	126	134
75°	20	23
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	22244.0
1°	22277.2
2°	22250.7
3°	22164.5
4°	22018.7
5°	21833.1
6°	21561.3
7°	21263.1
8°	20918.4
9°	20540.6
10°	20142.9
11°	19745.2
12°	19334.3
13°	18916.7
14°	18519.0
15°	18134.6
16°	17770.0
17°	17418.7
18°	17100.6
19°	16769.2
20°	16431.2
22.5°	15589.4
25°	14641.6
27.5°	13388.8
30°	11864.4
32.5°	10028.4
35°	8073.1
37.5°	6164.2
40°	4447.5
42.5°	3148.4
45°	2193.9
47.5°	1544.4
50°	1040.6
52.5°	762.2
55°	523.6
57.5°	377.8
60°	251.9
62.5°	185.6
65°	125.9
67.5°	86.2
70°	46.4
72.5°	33.1
75°	19.9
77.5°	6.6
80°	6.6



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)