

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: P249930

Luminaire Tested: **LD8B200D010 ER8B200940 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249930
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 ER8B200940 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18688.0 lumens
Efficiency: N/A
Efficacy: 83.7 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

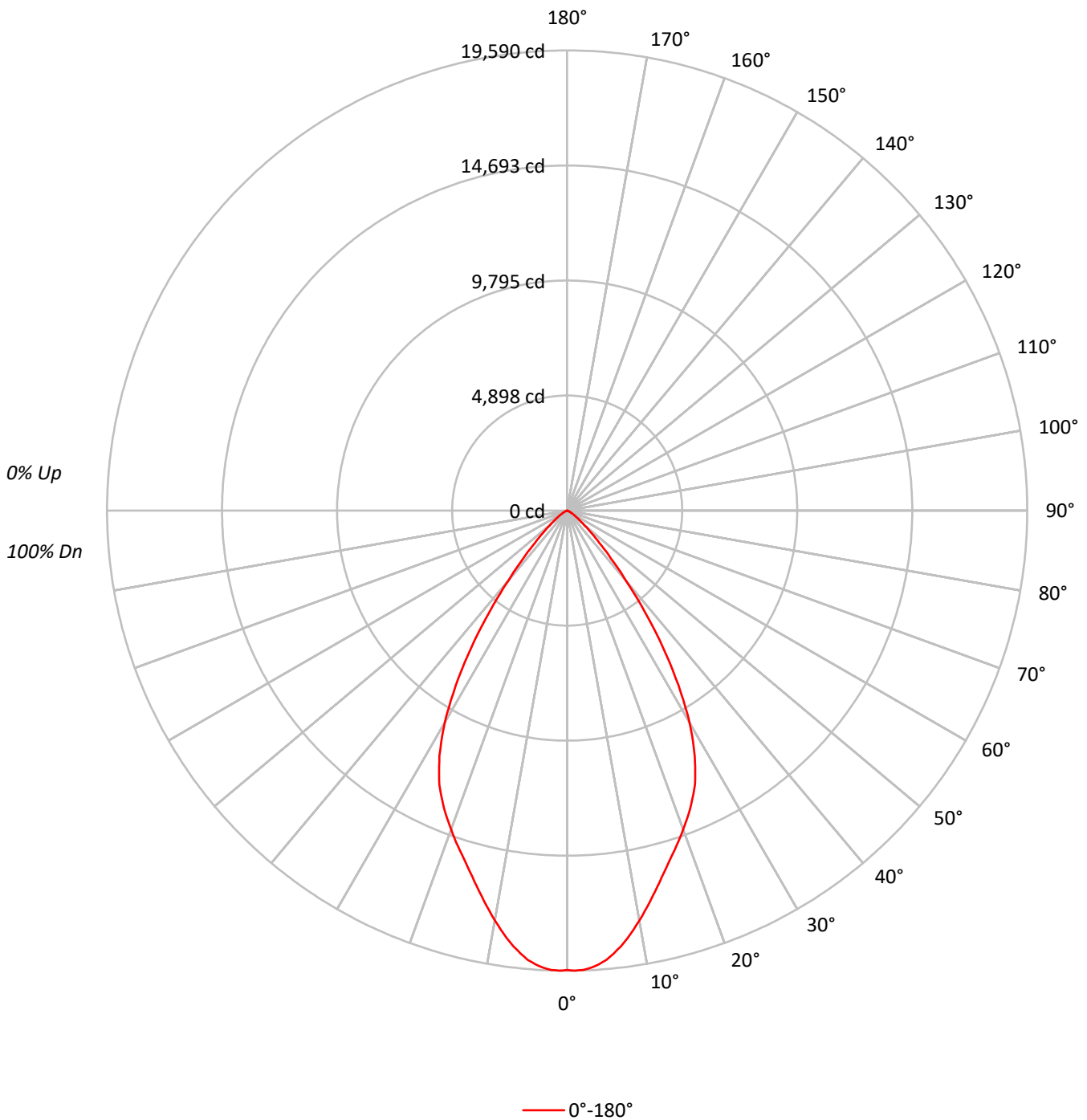
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	603168
5°	594288
10°	554620
15°	509084
20°	474142
25°	438064
30°	371485
35°	267240
40°	157429
45°	84131
50°	43900
55°	24752
60°	13660
65°	8077
70°	3679
75°	2085
80°	1030
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1783.2	9.5
10°-20°	4486.7	24.0
20°-30°	5824.6	31.2
30°-40°	4396.3	23.5
40°-50°	1608.6	8.6
50°-60°	449.7	2.4
60°-70°	118.2	0.6
70°-80°	19.9	0.1
80°-90°	0.8	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°	12094.5	64.7
0°-40°	16490.8	88.2
0°-60°	18549.1	99.3
0°-90°	18688.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18688.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19560	
5°	19199	###
15°	15947	4487
25°	12875	5825
35°	7099	4396
45°	1929	1609
55°	460	450
65°	111	118
75°	18	20
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19560.3
1°	19589.5
2°	19566.2
3°	19490.4
4°	19362.2
5°	19199.0
6°	18960.0
7°	18697.7
8°	18394.6
9°	18062.4
10°	17712.7
11°	17363.0
12°	17001.6
13°	16634.5
14°	16284.7
15°	15946.7
16°	15626.1
17°	15317.2
18°	15037.5
19°	14746.0
20°	14448.8
22.5°	13708.6
25°	12875.1
27.5°	11773.5
30°	10433.0
32.5°	8818.5
35°	7099.1
37.5°	5420.5
40°	3910.9
42.5°	2768.5
45°	1929.2
47.5°	1358.0
50°	915.1
52.5°	670.3
55°	460.4
57.5°	332.2
60°	221.5
62.5°	163.2
65°	110.7
67.5°	75.8
70°	40.8
72.5°	29.1
75°	17.5
77.5°	5.8
80°	5.8



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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)