

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: P250490

Luminaire Tested: **LD8B200D010 ER8B200850 8LBM0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14005)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200850 8LBM0GPH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18970.0 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

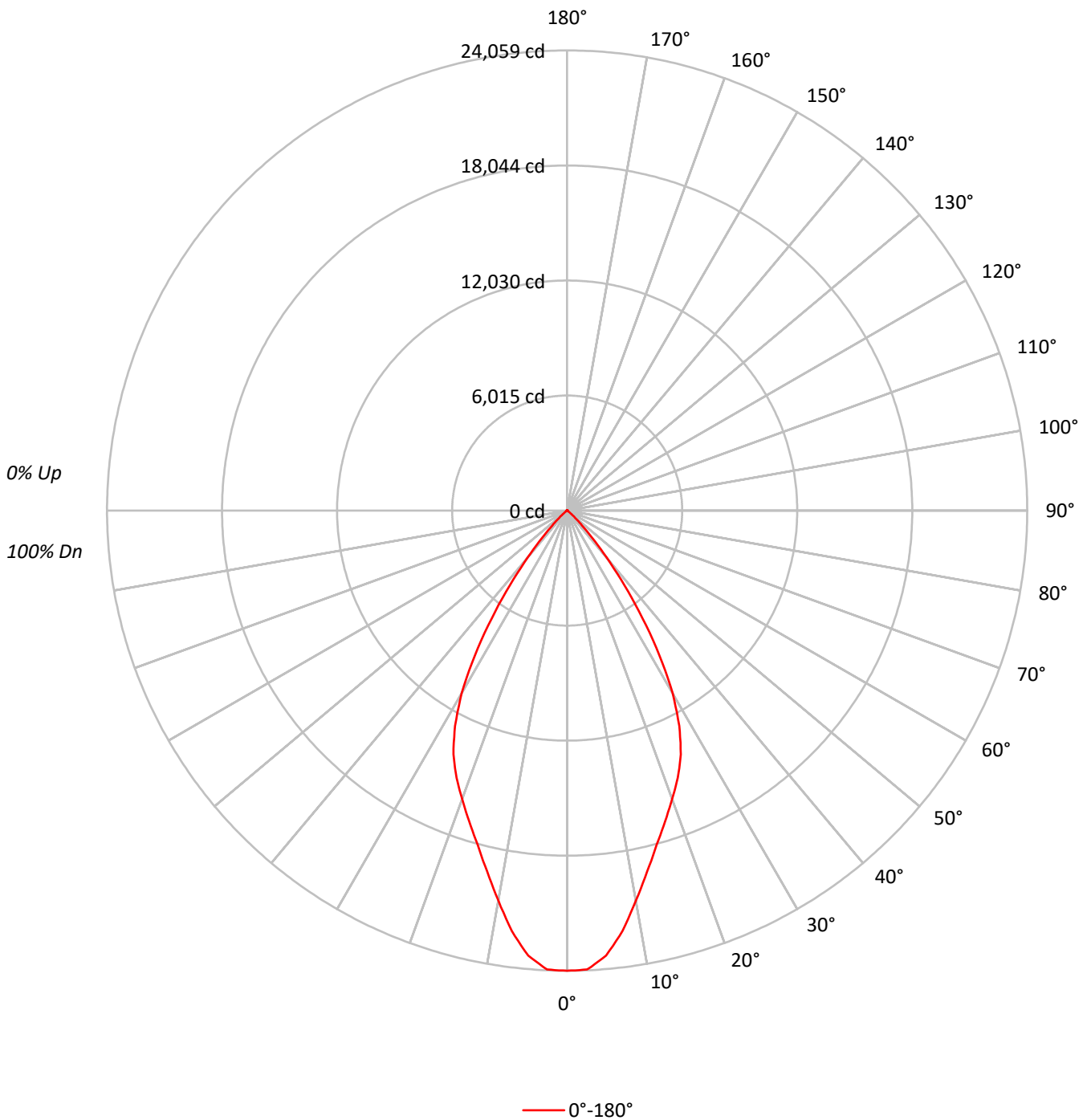
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	108	106	111	109	107	105	105	103	101		101	100	98		98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86		90	87	84		88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79		85	81	78		83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74		80	76	73		79	75	72	71
6	88	79	73	69	87	79	73	69	77	72	69		76	71	68		74	71	68	66
7	84	75	69	65	82	74	68	64	73	68	64		72	67	64		70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60		68	63	60		67	63	59	58
9	76	66	61	57	75	66	60	57	65	60	56		64	59	56		63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	741888
5°	723131
10°	648249
15°	577360
20°	526696
25°	478535
30°	392393
35°	258239
40°	128821
45°	47948
50°	14565
55°	1758
60°	1018
65°	0
70°	739
75°	2943
80°	0
85°	2901



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2141.9	11.3
10°-20°	5092.7	26.8
20°-30°	6344.7	33.4
30°-40°	4279.6	22.6
40°-50°	1012.0	5.3
50°-60°	74.0	0.4
60°-70°	13.2	0.1
70°-80°	9.7	0.1
80°-90°	2.2	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°	13579.3	71.6
0°-40°	17858.9	94.1
0°-60°	18944.8	99.9
0°-90°	18970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18970.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24059	
5°	23361	###
15°	18085	5093
25°	14065	6345
35°	6860	4280
45°	1100	1012
55°	33	74
65°	0	13
75°	25	10
85°	8	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	24058.9
2.5°	24018.0
5°	23361.4
7.5°	22171.6
10°	20702.9
12.5°	19316.1
15°	18085.4
17.5°	17026.7
20°	16050.3
22.5°	15114.8
25°	14064.6
27.5°	12694.2
30°	11020.2
32.5°	8993.5
35°	6860.0
37.5°	4907.0
40°	3200.2
42.5°	1912.0
45°	1099.5
47.5°	615.4
50°	303.6
52.5°	139.5
55°	32.7
57.5°	8.2
60°	16.5
62.5°	24.7
65°	0.0
67.5°	16.5
70°	8.2
72.5°	8.2
75°	24.7
77.5°	0.0
80°	0.0
82.5°	0.0
85°	8.2
87.5°	0.0
90°	0.0

(END OF REPORT)