

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: P250915

Luminaire Tested: **LSR8B70D010 EC8B70830 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70830 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7258.0 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

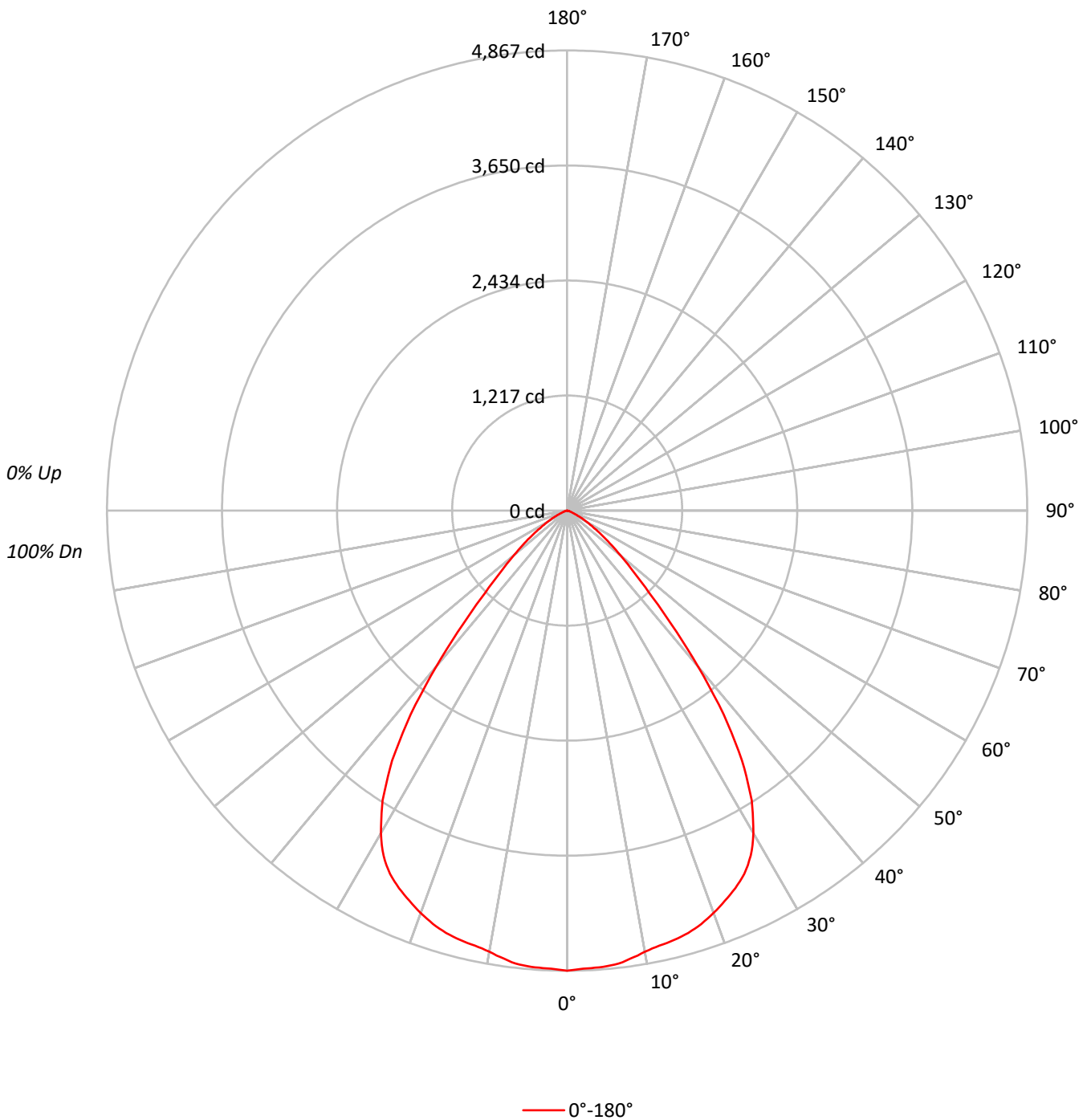
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250915

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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	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	71		77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	150074
5°	149737
10°	148381
15°	148939
20°	148621
25°	147175
30°	140276
35°	121451
40°	86639
45°	53242
50°	35121
55°	23230
60°	14875
65°	8114
70°	3976
75°	2002
80°	1119
85°	743



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.6	6.3
10°-20°	1315.9	18.1
20°-30°	1980.3	27.3
30°-40°	1960.6	27.0
40°-50°	996.2	13.7
50°-60°	401.3	5.5
60°-70°	121.6	1.7
70°-80°	21.0	0.3
80°-90°	2.6	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°	3754.8	51.7
0°-40°	5715.4	78.7
0°-60°	7112.9	98.0
0°-90°	7258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7258.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4867	
5°	4837	459
15°	4665	1316
25°	4326	1980
35°	3226	1961
45°	1221	996
55°	432	401
65°	111	122
75°	17	21
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4866.8
1°	4856.3
2°	4847.9
3°	4845.8
4°	4843.7
5°	4837.4
6°	4829.0
7°	4812.2
8°	4787.1
9°	4764.0
10°	4738.8
11°	4717.8
12°	4703.2
13°	4692.7
14°	4680.1
15°	4665.4
16°	4646.5
17°	4623.4
18°	4596.2
19°	4564.7
20°	4529.0
21°	4491.3
22°	4453.5
23°	4413.7
24°	4371.7
25°	4325.6
26°	4275.2
27°	4210.2
28°	4134.7
29°	4044.5
30°	3939.6
32.5°	3633.3
35°	3226.3
37.5°	2718.7
40°	2152.3
42.5°	1625.8
45°	1220.9
47.5°	933.5
50°	732.1
52.5°	568.5
55°	432.1
57.5°	321.0
60°	241.2
62.5°	172.0
65°	111.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	69.2
70°	44.1
72.5°	27.3
75°	16.8
77.5°	10.5
80°	6.3
82.5°	4.2
85°	2.1
87.5°	0.0
90°	0.0

(END OF REPORT)