

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: P250809

Luminaire Tested: **LSR8B70D010 EC8B70940 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70940 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7076.0 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

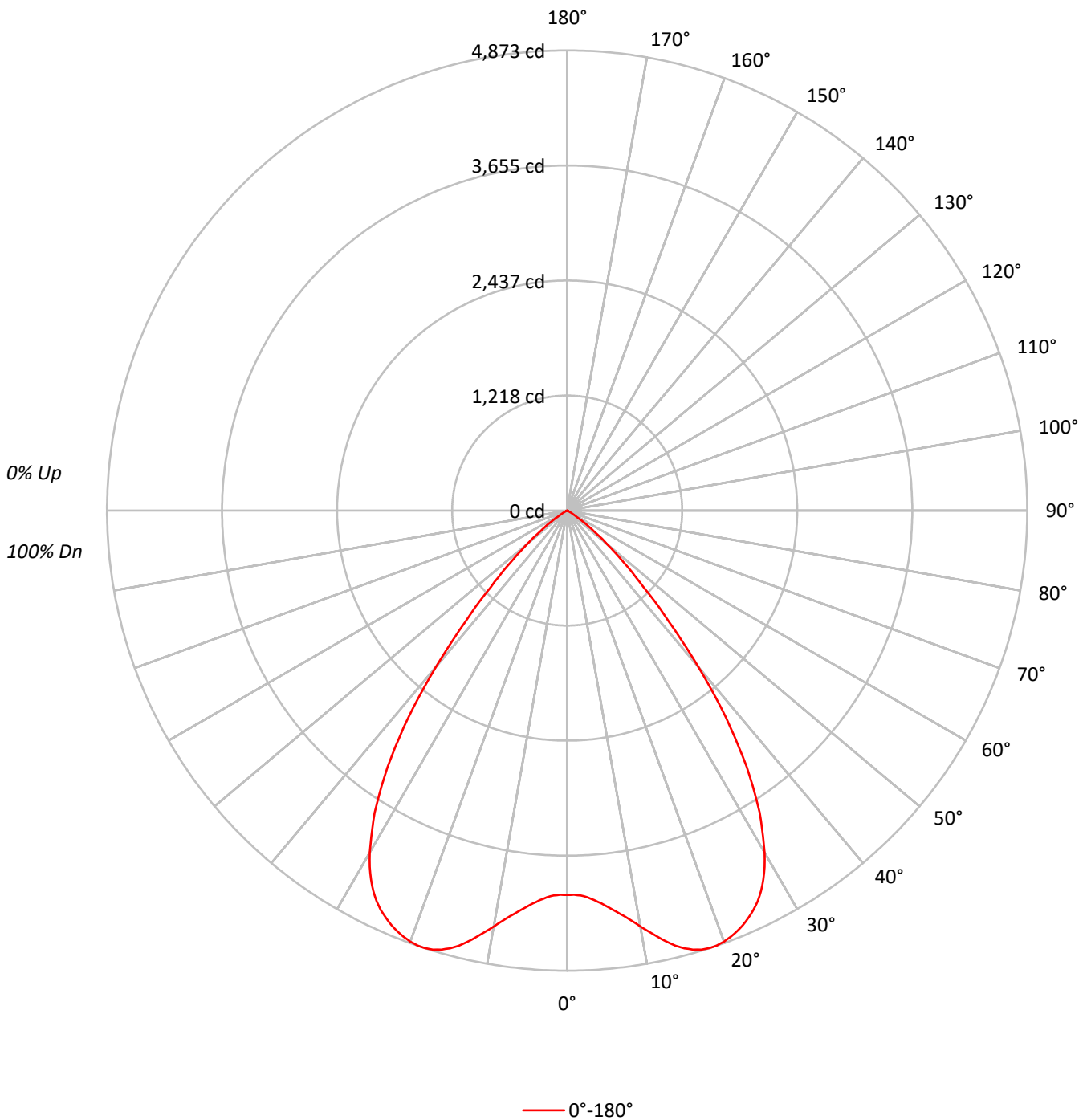
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	125544
5°	129261
10°	140030
15°	153210
20°	159394
25°	158811
30°	148964
35°	124911
40°	86969
45°	49810
50°	26750
55°	11032
60°	2744
65°	708
70°	352
75°	226
80°	337
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.2	5.8
10°-20°	1352.6	19.1
20°-30°	2128.3	30.1
30°-40°	2024.5	28.6
40°-50°	933.3	13.2
50°-60°	212.1	3.0
60°-70°	14.0	0.2
70°-80°	2.8	0.0
80°-90°	0.3	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°	3889.1	55.0
0°-40°	5913.6	83.6
0°-60°	7059.0	99.8
0°-90°	7076.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7076.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4071	
5°	4176	408
15°	4799	1353
25°	4668	2128
35°	3318	2024
45°	1142	933
55°	205	212
65°	10	14
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4071.3
1°	4069.4
2°	4077.1
3°	4100.3
4°	4135.2
5°	4175.9
6°	4226.2
7°	4280.4
8°	4336.5
9°	4402.4
10°	4472.1
11°	4541.7
12°	4615.3
13°	4685.0
14°	4748.9
15°	4799.2
16°	4836.0
17°	4861.2
18°	4872.8
19°	4870.9
20°	4857.3
21°	4834.1
22°	4805.0
23°	4766.3
24°	4721.8
25°	4667.6
26°	4603.7
27°	4522.4
28°	4425.6
29°	4313.3
30°	4183.6
32.5°	3794.5
35°	3318.2
37.5°	2764.5
40°	2160.5
42.5°	1597.2
45°	1142.2
47.5°	809.2
50°	557.6
52.5°	356.2
55°	205.2
57.5°	102.6
60°	44.5
62.5°	17.4
65°	9.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.8
70°	3.9
72.5°	3.9
75°	1.9
77.5°	1.9
80°	1.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)